



2012-2013

NEW LUMINAIRES COLLECTION

CATALOGUE

RAAT
DONGMYUNG LIGHTING CO., LTD.

THE GENERAL GUIDEBOOK OF RAAT FOR PRODUCTS DESIGN AND LIGHTING PLAN
2012 / 2013

NEW LUMINAIRES COLLECTION

RAAT CATALOGUE

ARCHITECTURAL LIGHTING

PHOTOMETRIC DATA

LIGHTING GUIDE

LED LUMINAIRES

COMMERCIAL LIGHT
MANUFACTURE



Dongmyung Lighting Co., Ltd is South Korea's flagship commercial lighting company.

Dongmyung was established in 1972.

We have manufactured various commercial lightings like down light, accent light, pendant, area light and etc.

We conduct eco-friendly management system certifying ISO 9001:2008 quality management system and ISO 14004:2004 environmental management system.

Our distinction acquires the overseas' cachet with CE mark. Dongmyung were awarded the first export prize in commercial downlight filed from KITA, Korean International Trade Association. We have made a constant effort to improve our quality and develop our products for customer satisfaction.

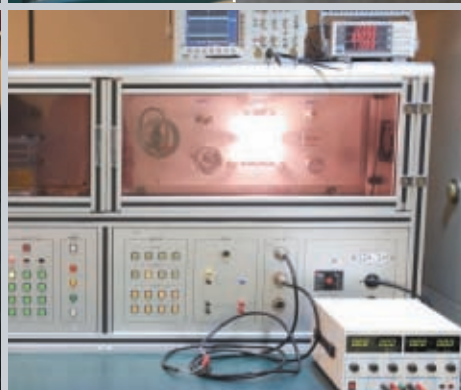
Dongmyung is equipped with the latest conveniences and has a pleasant environment.

Our factory is equipped with automation equipment such as a CNC(Computer Numerical Control) auto spinning (Doosan Infracore), CNC punch, CNC folding, press, and programmed NCT equipment(AMADA, Japan). Power Coating & Dry instrument and auto spinning machine are our pride among the rest.

Our manufacture apparatus, like CNC cutting (MEP, Italy), banding, shot, and conveyor system, is the newest system.

We are proud of working speed and efficiency from the production to packing and shipment.

We promise our customer to supply the best product not only quality but also production control.



Dongmyung imported PRO-ENGINEER and Uni-Graphic programs.

Though we need same time and requirement for product design regardless of the size and scope of the project, customer's demand has been changed continuously. So we need more correct and convenient solution for reduction of working hours.

Dongmyung has been imported PRO-E and UG-NX, standard of 3D design, and produced design in the best way. PRO-E and UG-NX are the outstanding CAD solution for any size of the project. We can rapidly manufacture high quality product with this programs.

Dongmyung design Reflectors with PHOTOPIA Program.

Photopia is a 3D lighting design analysis program. We estimate photometric data and illumination distribution with Photopia to design luminaire.

Dongmyung mass-produce after quality test.

Dongmyung makes a constant effort to design and develop products to be ahead of the times in indoor and outdoor lighting design field.

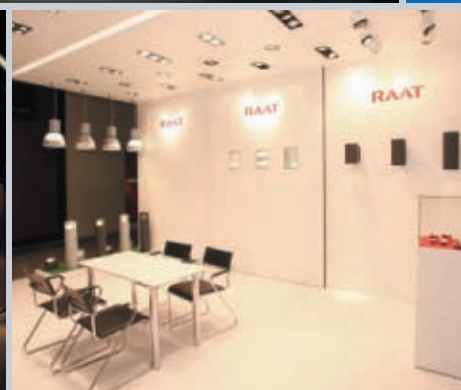
We do our best to improve our product's quality to make more exactitude and optical scientific lighting fixture.



Dongmyung is the internationally leading supplier of integral lighting solutions for a wide variety of applications in professional.

interior lighting :
[Industry and engineering](#)
[Offices and communication](#)
[Education and science](#)
[Presentation and retail](#)
[Hotel and wellness](#)
[Art and culture](#)
[Health and care](#)

outdoor lighting :
[Shopping Mall](#)
[Departmentstore](#)
[University](#)
[Park](#)
[Art and culture Building](#)



Dongmyung made export brand RAAT which become distinguished and competitive brand with 39 years knowhow.

We have participated in domestic and overseas exhibitions (Italy, German, Hongkong) to increase our brand value.

As we invest product development and brand name value, our export sales are getting higher every year.

We were awarded "the three Million Export" from KITA, Korean International Trade Association.

We are developing every year and seek one of the best commercial lighting companies in the world.

QUALITY & DESIGN AWARD



S.P.E.C



KAB-EC-08



KAB-QC-18



TUV

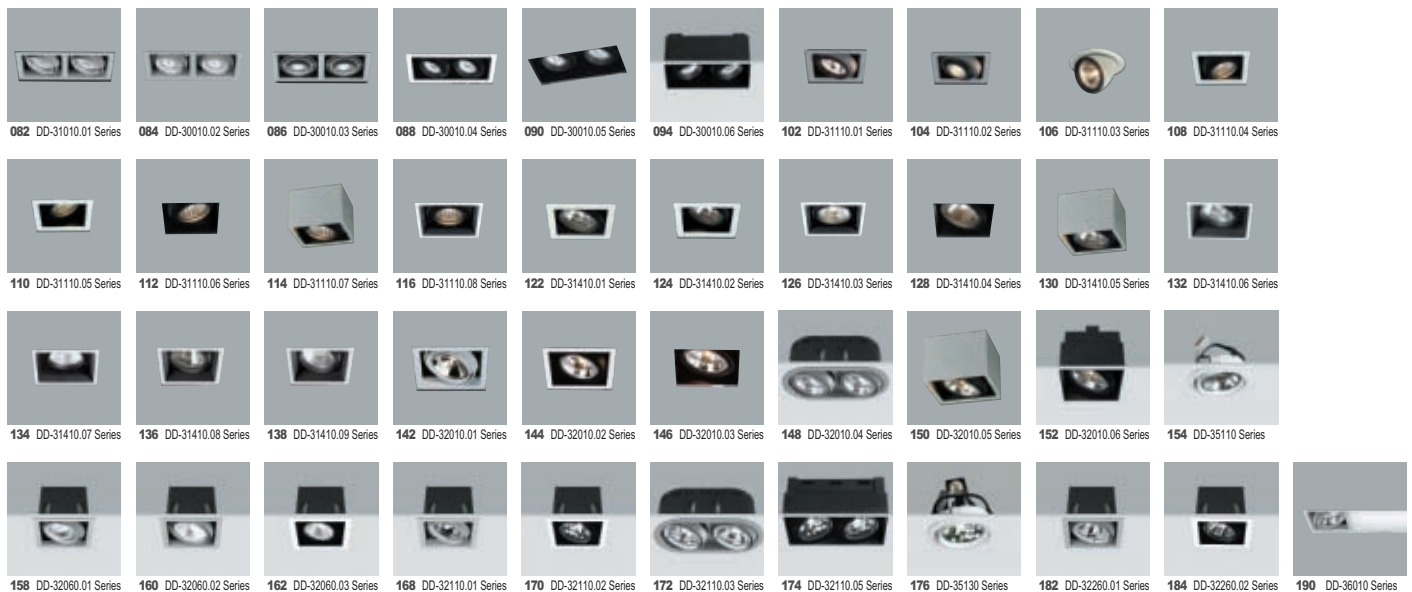


Rohs

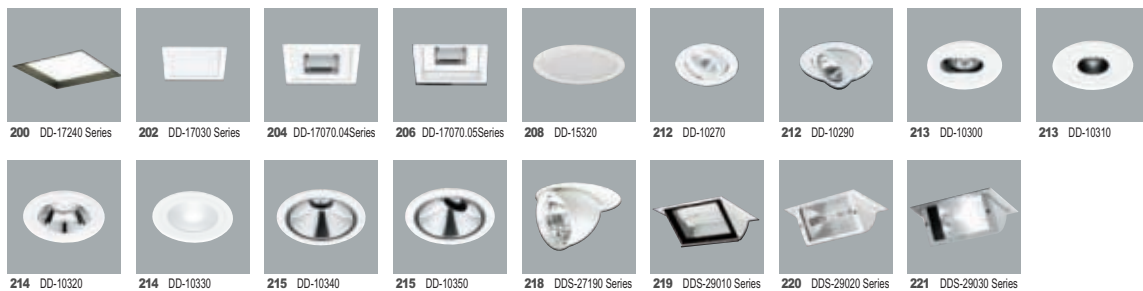
ACCENT LIGHTS

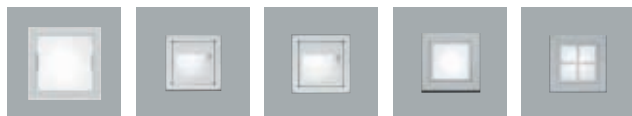


SPECIAL DOWN LIGHTS



DOWN LIGHTS & DOWN SPOTS



WALL & CEILING LIGHTS

224 DD-38010 Series 225 DD-38020 Series 225 DD-38030 Series 227 DD-38110 Series 227 DD-38130 Series



227 DD-38150 Series 228 DD-38210 228 DD-38220 229 DD-38230 229 DD-38240

PENDANTS

232 DP-50310 234 DP-50100 Series 234 DP-50110 Series 235 DP-50120 Series 236 DP-50130



237 DP-50140 238 DP-50200 238 DP-50210 239 DP-50220 240 DP-50250 241 DP-50260



242 DP-52040 Series 244 DP-52120 Series 246 DP-54020 Series 248 DP-54120 Series 250 DP-56020 Series



252 DP-58020 Series 254 DP-58120 Series 256 DP-54020 Series 258 DP-54120 Series 259 DP-56020 Series

FLOOD LIGHTS

262 DF-48110 266 DF-48160 268 DF-79010 270 DF-79030 274 DF-79120 280 DF-79200 282 DF-79220



288 DF-79600 Series 290 DF-79620 Series 294 DF-48010 294 DF-48020 295 DF-48030 295 DF-48040

BOLLARD LIGHTS

298 DBO-75140 Series 299 DBO-75150 Series 300 DBO-75160 Series 301 DBO-75170 Series

ACCENT LIGHTS 12

SPECIAL DOWN LIGHTS 78

DOWN LIGHTS & DOWN SPOTS 198

WALL & CEILING LIGHTS 222

PENDANTS 230

FLOOD LIGHTS 260

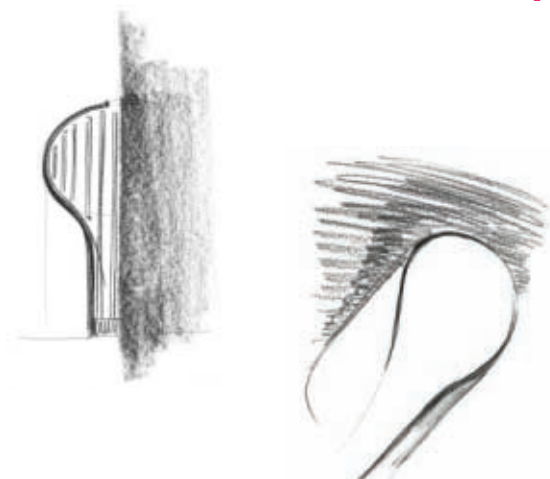
BOLLARD LIGHTS 296



Vanity accent lights

DDC-65092 series

Vanity



The reflector gently touches the gear box, two bodies joining : a beam of light is born.

The product is the synthesis between form and function, both meet in a unique smooth and streamlined shape that gives a gentle and feminine character to this spotlight. While the gearbox and the bracket are given volumes - and remain neutral - the optical part attracts the attention for its longitudinal cut that visually connects rear and front part of the product.

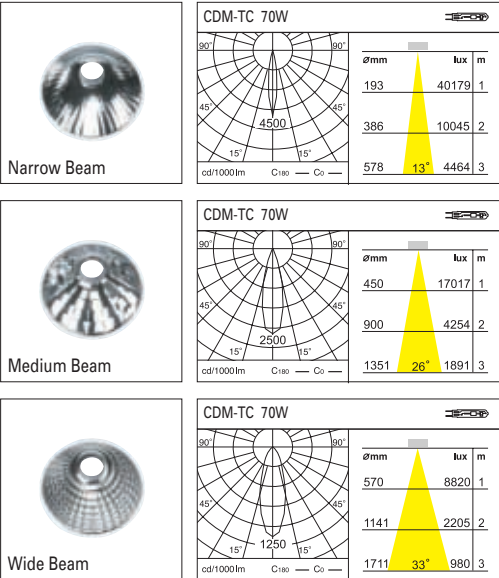
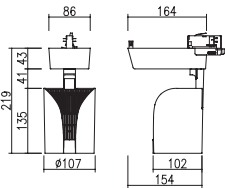
Bruno Gecchelin



DDC-65092

I Accent Light I

Lamp Housing	PC, Urethane Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide)
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass _ Clear Tempered Glass(+ cap cover)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5



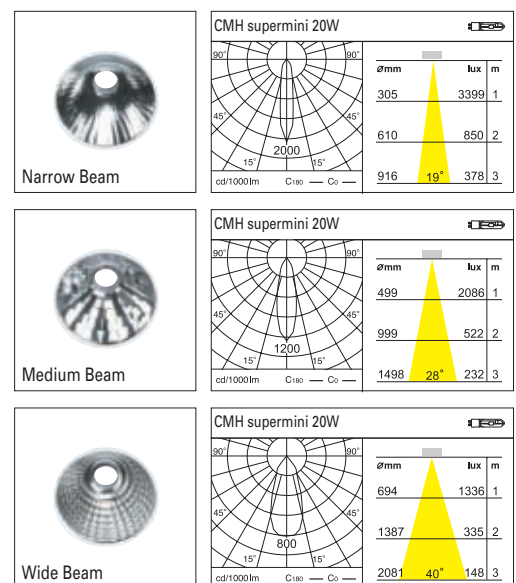
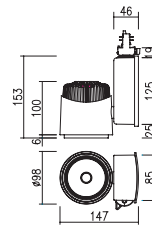




DDC-65061

I Accent Light I

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide)
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass(+ cap cover) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CMH supermini 20W, 35W _GU6.5





creamy smoothies

모든 음료의 두 배를 더해 더욱 부드러운 맛을 즐기세요

peach ₩5,700 original ₩6,700
power ₩7,700

오렌지 드림 머신
orange dream machine

오렌지 주스, 오렌지 씨앗, 우유, 무지방 요거트

마차 그린티 블라스트
matcha green tea blast

마차 그린티, 우유, 분쇄된 오렌지, 소금

커피 크레이즈
coffee craze

커피, 우유, 무지방 요거트

초콜릿 무드
chocolate moo'd

초콜릿, 우유, 무지방 요거트

피넛버터 무드
peanut butter moo'd

피넛 버터, 초콜릿, 우유, 무지방 요거트

모카 모조
mocha mojo

초콜릿, 우유, 커피, 우유, 무지방 요거트

topper smoothies

스무디 위에 크림을 얹어 더욱 부드러운 맛을 즐기세요

₩5,500

베리 타퍼
berry topper

블루베리, 스트로베리, 레몬, 우유, 분쇄된 오렌지, 소금

망고 피치 타퍼
mango peach topper

망고, 피치, 레몬, 우유, 분쇄된 오렌지, 소금

청키 스트로베리 타퍼
chunky strawberry topper

스트로베리, 레몬, 피치, 우유, 분쇄된 오렌지, 소금

fresh-squeezed juices

모든 음료의 두 배를 더해 더욱 부드러운 맛을 즐기세요

₩5,500

오렌지 주스
orange juice

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

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오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

hot blends

모든 음료의 두 배를 더해 더욱 부드러운 맛을 즐기세요

₩5,500

오렌지 주스
orange juice

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

organic tea

모든 음료의 두 배를 더해 더욱 부드러운 맛을 즐기세요

₩5,500

오렌지 주스
orange juice

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

오렌지 주스, 레몬

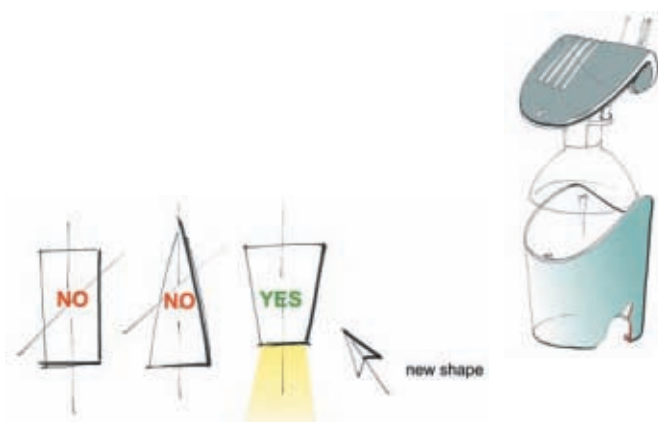


BLACK TIE accent lights

DDC-63710 series



BLACK TIE



The reflector gently touches the gear box, two bodies joining: a beam of light is born.

Back in the time when the Venetian trader and explorer Marco Polo was travelling to Asian countries the journey lasted years.

Nowadays globalization and the advancement in technology has lead to the development of a flatter world, offering anyone the ability to communicate with the other side of the Globe in a split second.

The Raat Company has taken this opportunity to bridge the distance among the Italian and Korean worlds by bringing together the two different cultures aimed at creating new and innovative products.

This is one of the advantages of globalization. It allows us to broaden our horizons by learning about different cultures and ideals, to integrate different knowledge with our own and not just in a superficial way.

Facing this project for Raat, I wanted the feeling that the light as a life-bearer required a curvy yet delicate design. The sensual, smoothly carved shape of the reflector meets the sleek and functional volume of the gear or bracket arm. They touch and tilt like a lover in a kiss that connects different materials and advanced technologies.

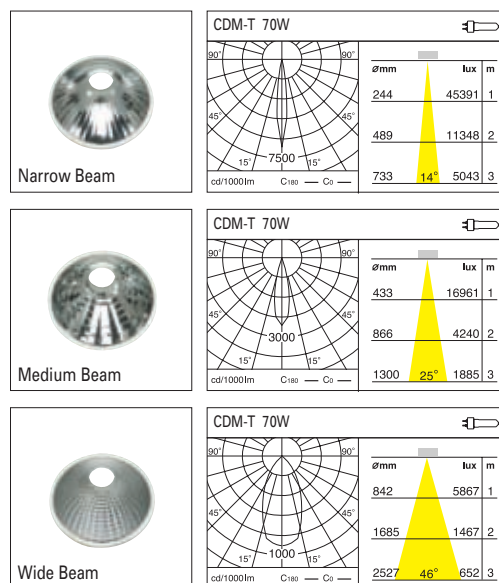
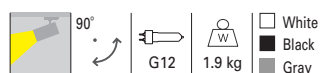
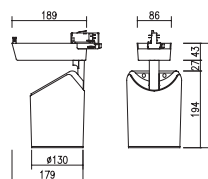
Bruno Gecchelin



DDC-63710.01

I Accent Light I

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass _ Clear Tempered Glass(+ cap cover) Louver _ Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-T, HCI-T 70W, 150W _G12

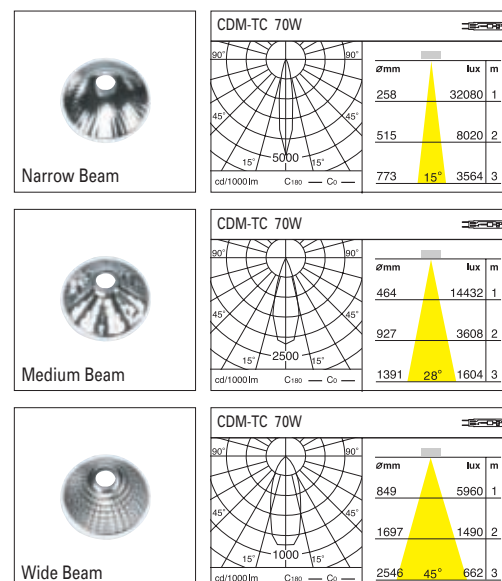
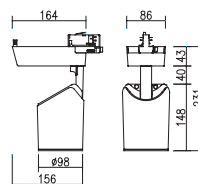




DDC-63730.01

I Accent Light I

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass(+ cap cover) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-TC 35W, 70W _G8.5



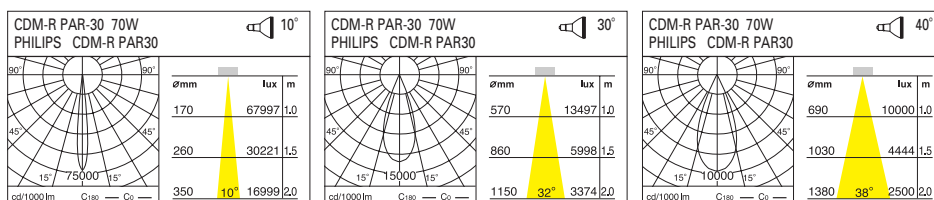
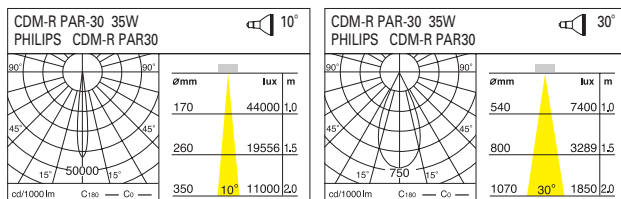
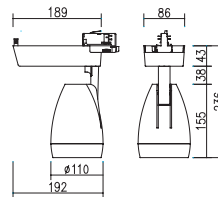
ACCENT LIGHTS | CDM-R PAR-30



DDC-63760

I Accent Light I

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
Mounting Ring	PBT (Black) & AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-R PAR-30 35W, 70W _E-27

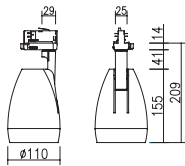




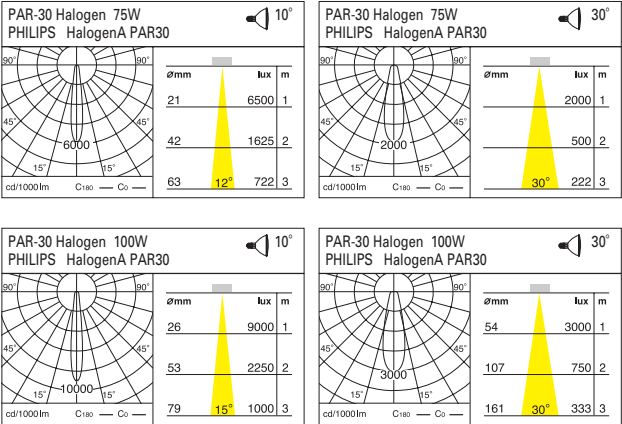
DDC-63770

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 90^\circ$)
Mounting Ring	PBT (Black) & AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	PAR-30 Halogen 75W, 100W _E-27

| Track Accent Light | Ceiling Surface Mounted Accent Light |



Base plate version
available on request





KISS accent lights

DDC-63510 series



Kiss



The reflector gently touches the gear box, two bodies joining: a beam of light is born.

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Bruno Gecchelin



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DDC-63510.01 Series p.24



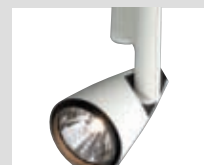
DDC-63520.01 Series p.26



DDC-63530.01 Series p.28



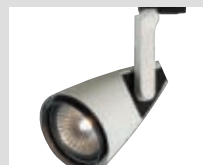
DDC-63560.01 Series p.30



DDC-63590.01 Series p.36



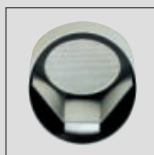
DDC-63570.01 Series p.32



DDC-63580.01 Series p.34



Accessory-01
Slant cutting hood
wall washer



Accessory-02
Slant cutting hood with
internal specular reflector
side spread wall washer



Accessory-03
Louver, Reduce Glare



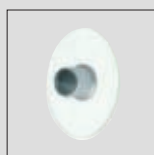
Accessory-04
Louver, Reduce Glare
Honeycomb antidazzle
screen



Glass Lens
Clear Tempered Glass



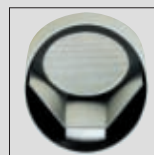
Glass Lens
Frosted Tempered Glass



Glass Lens
Clear Tempered Glass
+ Cap Cover



Accessory-01
Slant cutting hood
wall washer



Accessory-02
Slant cutting hood with
internal specular reflector
side spread wall washer



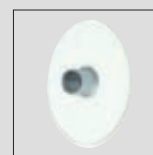
Accessory-04
Louver, Reduce Glare
Honeycomb antidazzle
screen



Glass Lens
Clear Tempered Glass



Glass Lens
Frosted Tempered Glass



Glass Lens
Clear Tempered Glass
+ Cap Cover

Reflector



Narrow Reflector

High efficiency reflector
Angle : $\angle 10^{\circ} \sim 20^{\circ}$



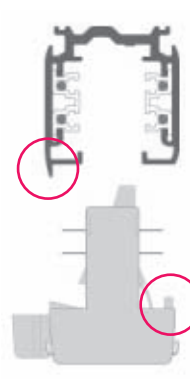
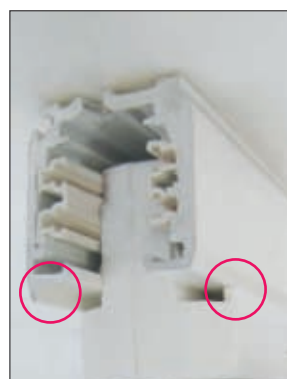
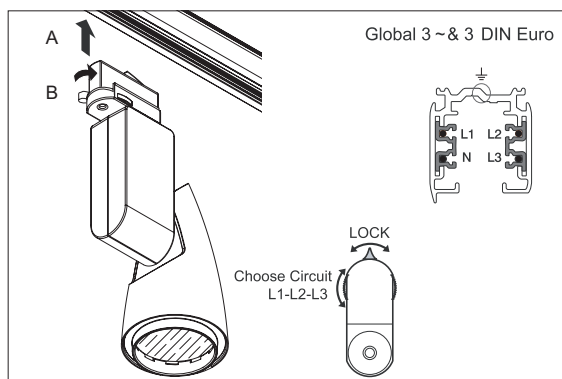
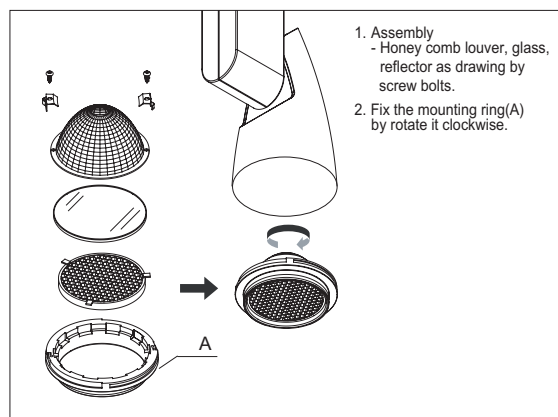
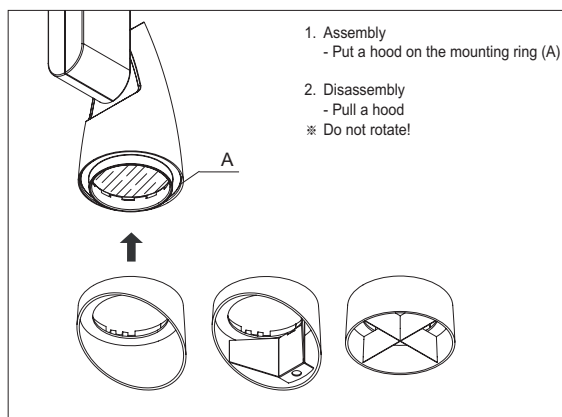
Medium Reflector

High efficiency reflector
Angle : $\angle 20^{\circ} \sim 30^{\circ}$



Wide Reflector

High efficiency reflector
Angle : Over $\angle 40^{\circ}$

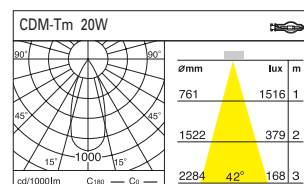
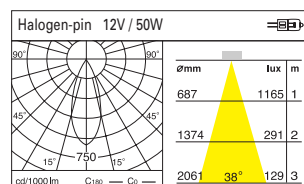
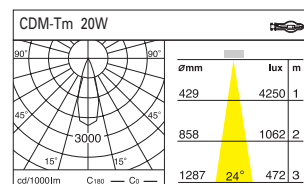
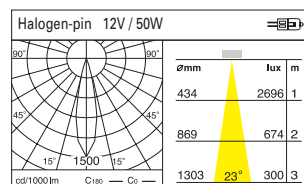
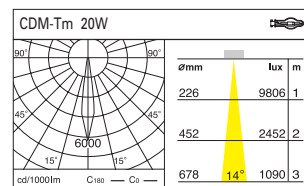
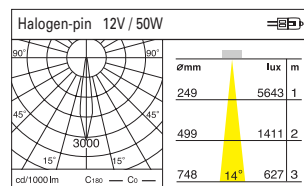




DDC-63510 series

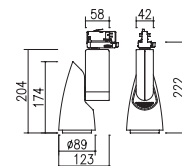
| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass(+ cap cover) Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	Halogen-pin 12V / 50W, 75W, 100W _GY6.35 CDM-Tm 20W, 35W _PGJ5 CMH supermini 20W, 35W _GU6.5





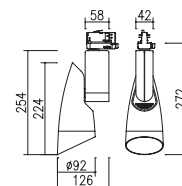
- DDC-63510.01 Halogen-pin
- DDC-63511.01 CDM-Tm
- DDC-63512.01 CMH supermini



Weight : 0.6 kg



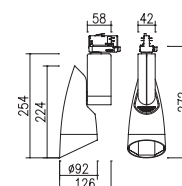
- DDC-63510.02 Halogen-pin
- DDC-63511.02 CDM-Tm
- DDC-63512.02 CMH supermini



Weight : 0.7 kg



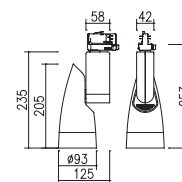
- DDC-63510.03 Halogen-pin
- DDC-63511.03 CDM-Tm
- DDC-63512.03 CMH supermini



Weight : 0.7 kg



- DDC-63510.04 Halogen-pin
- DDC-63511.04 CDM-Tm
- DDC-63512.04 CMH supermini



Weight : 0.7 kg



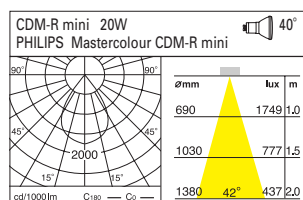
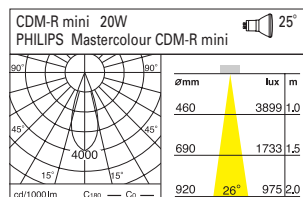
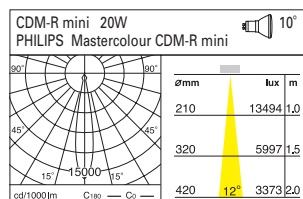
DDC-63520 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Accessory	Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-R mini 20W, 35W _GX10 CMH-MR16 20W, 35W _GX10

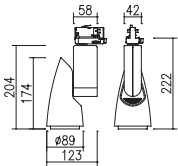


Base plate version
available on request





DDC-63520.01 CDM-R mini
DDC-63521.01 CMH-MR16



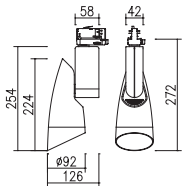
 Weight : 0.6 kg



Accessory-04
Louver, Honeycomb



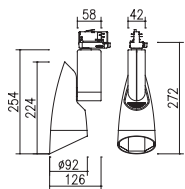
DDC-63520.02 CDM-R mini
DDC-63521.02 CMH-MR16



 Weight : 0.7 kg



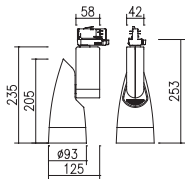
DDC-63520.03 CDM-R mini
DDC-63521.03 CMH-MR16



 Weight : 0.7 kg



DDC-63520.04 CDM-R mini
DDC-63521.04 CMH-MR16



 Weight : 0.7 kg



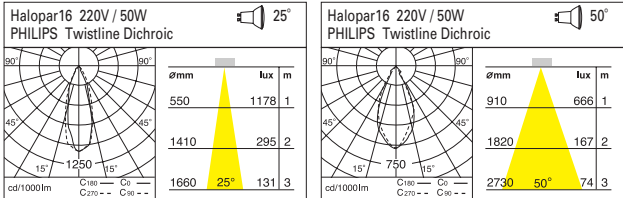
DDC-63530 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Accessory	Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	Halopar 16 220V / 50W _ GZ10

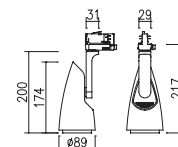


Base plate version
available on request





DDC-63530.01 Halopar 16



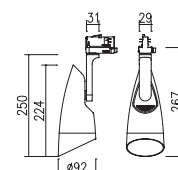
 Weight : 0.5 kg



Accessory-04
Louver, Honeycomb



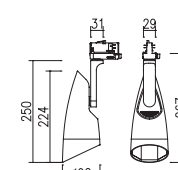
DDC-63530.02 Halopar 16



 Weight : 0.6 kg



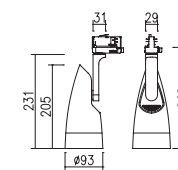
DDC-63530.03 Halopar 16



 Weight : 0.6 kg



DDC-63530.04 Halopar 16



 Weight : 0.6 kg



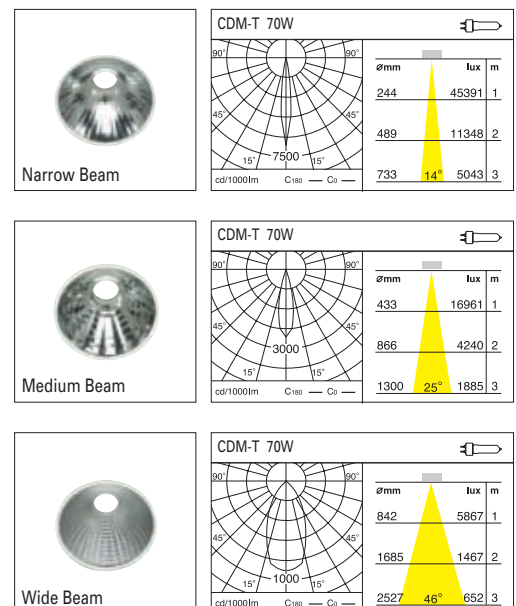
DDC-63560 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass(+ cap cover) Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-T, HCI-T 35W, 70W _G12

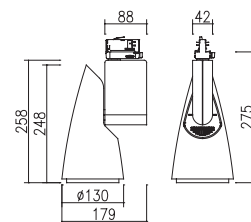


Base plate version
available on request

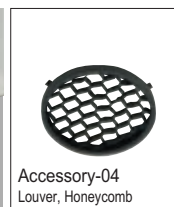
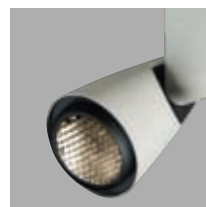
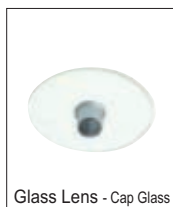




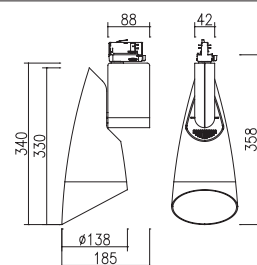
DDC-63560.01 CDM-T, HCI-T



 Weight : 1.0 kg



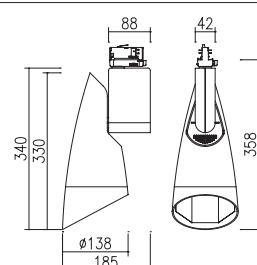
DDC-63560.02 CDM-T, HCI-T



 Weight : 1.2 kg



DDC-63560.03 CDM-T, HCI-T



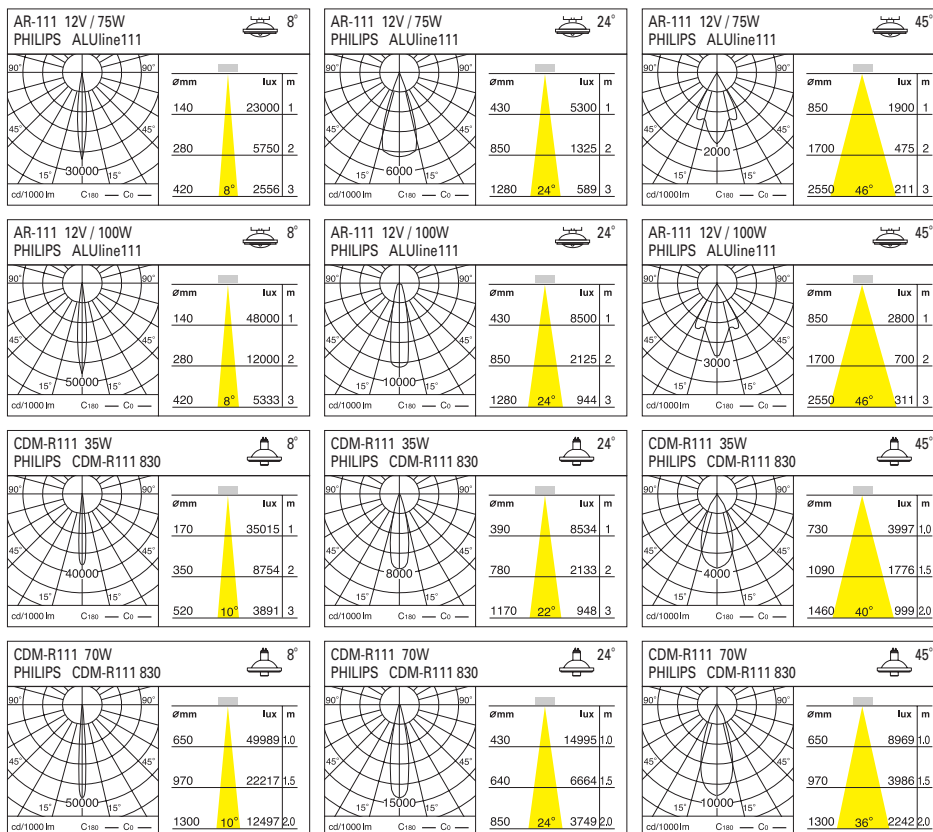
 Weight : 1.2 kg



DDC-63570 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

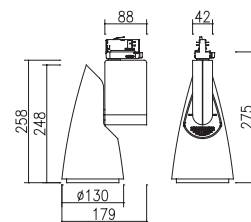
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Accessory	Hood _AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	AR-111 12V / 50W, 75W, 100W _G53 CDM-R 111 35W, 70W _GX8.5



Base plate version
available on request



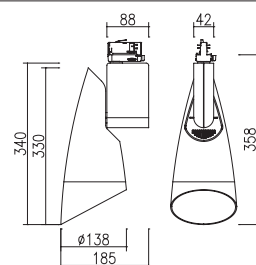
DDC-63570.01 AR-111 Halogen
DDC-63571.01 CDM-R 111



 Weight : 1.0 kg



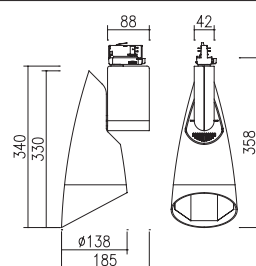
DDC-63570.02 AR-111 Halogen
DDC-63571.02 CDM-R 111



 Weight : 1.2 kg



DDC-63570.03 AR-111 Halogen
DDC-63571.03 CDM-R 111



 Weight : 1.2 kg



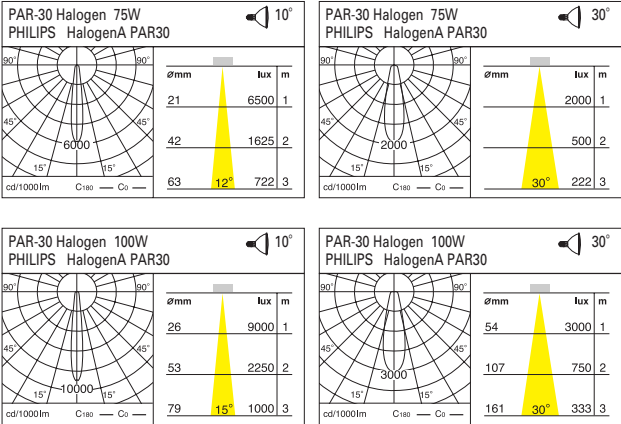
DDC-63580 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Accessory	Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	PAR-30 75W, 100W _E-27

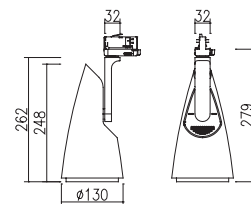


Base plate version
available on request





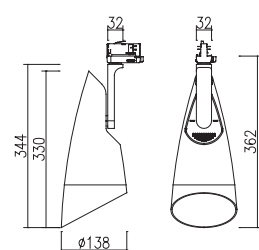
DDC-63580.01 PAR-30 Halogen



 Weight : 0.8 kg



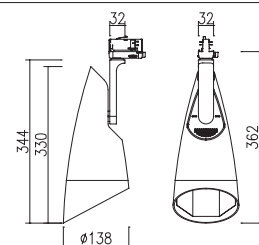
DDC-63580.02 PAR-30 Halogen



 Weight : 1.0 kg



DDC-63580.03 PAR-30 Halogen



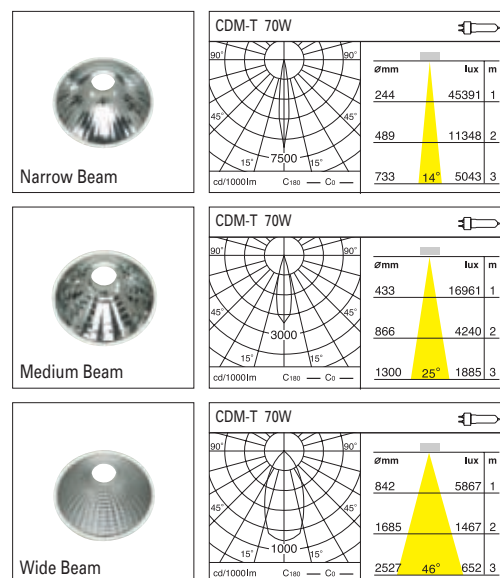
 Weight : 1.0 kg



DDC-63590 series

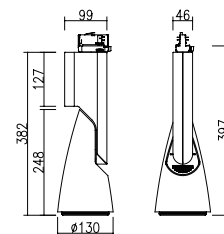
| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass(+ cap cover) Hood _AL. Die-Casting, Electrostatic Powder Coating Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-T, HCI-T 35W, 70W _G12

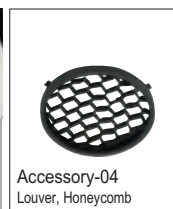
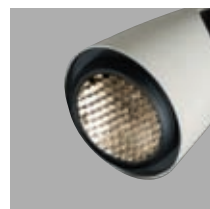
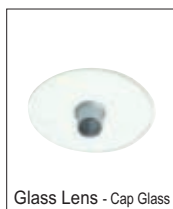
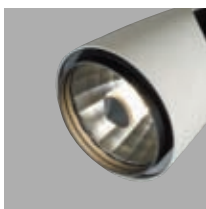




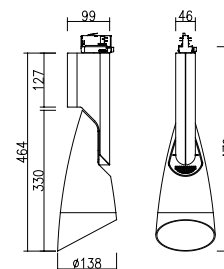
DDC-63590.01 CDM-T, HCI-T



 Weight : 1.2 kg



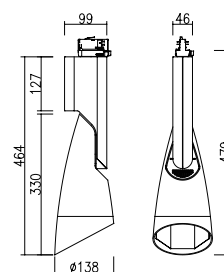
DDC-63590.02 CDM-T, HCI-T



 Weight : 1.4 kg



DDC-63590.03 CDM-T, HCI-T



 Weight : 1.4 kg

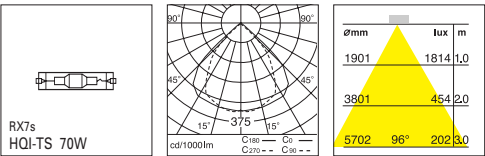
DDC-63610 series

I Track Accent Light | Ceiling Surface Mounted Accent Light I

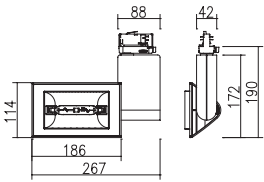
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Sanding
Accessory	Glass Lens _Clear Tempered Glass Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	HQI-TS, CDM-TD 70W _RX7s



Base plate version
available on request



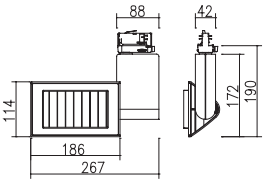
DDC-63610.01 HQI-TS, CDM-TD



Weight : 1.2 kg



DDC-63610.02 HQI-TS, CDM-TD



Weight : 1.2 kg

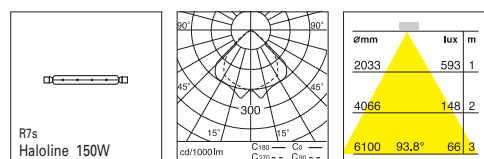
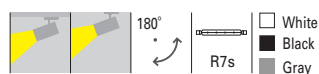
DDC-63620 series

I Track Accent Light | Ceiling Surface Mounted Accent Light I

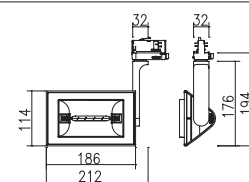
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Reflector	AL. Anodized Sanding
Accessory	Glass Lens _Clear Tempered Glass Louver _Aluminium, Electrostatic Powder Coating (Black only)
Track Adapter	PC (White, Black)
Lamp & Socket	Haloline 150W, 200W _R7s



Base plate version
available on request



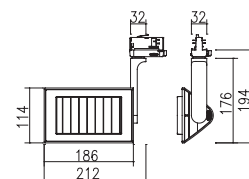
DDC-63620.01 Haloline



Weight : 0.8 kg



DDC-63620.02 Haloline



Weight : 0.9 kg



Halogen-pin, Metal Halide, AR-111 Halgen

DDC-63110 series



order no.	DDC-63110 Series	DDC-63310 Series	DDC-63130 Series	DDC-63160 Series
lamp type	Halogen-pin / CDM-Tm	CDM-R mini, CMH-MR16 / Dichroic Halogen	AR-111 Halogen	CDM-TC
socket	GY6.35 / PGJ5	GX10 / GX5.3	G53	G8.5
max wattage	100W / 20W	35W / 20W / 50W	100W	70W
voltage	12V / 220V	220V / 12V	12V	220V
lamp symbol	 / 	 /  / 		
	↓	↓	↓	↓
page	p.42	p.44	p.46	p.48

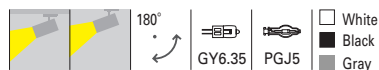


DDC-63110 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle$ 180°)
Mounting Ring	PBT (Black) & AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing
Track Adapter	PC (White, Black)
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass(+ cap cover) Louver _Aluminium, Electrostatic Powder Coating (Black only)

Lamp & Socket	Halogen-pin 12V / 50W, 75W, 100W _GY6.35
	CDM-Tm 20W, 35W _PGJ5



A Type
Housing (White) &
Mounting Ring (Black)



B Type
Housing (White) &
Mounting Ring (White)



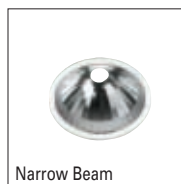
C Type
Housing (Gray) &
Mounting Ring (Black)



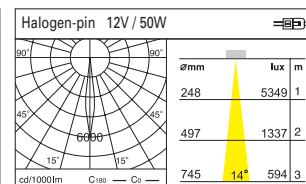
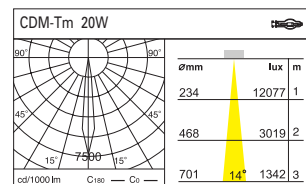
D Type
Housing (Gray) &
Mounting Ring (Gray)



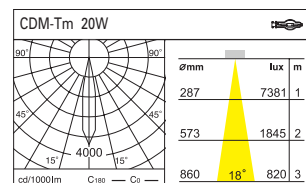
E Type
Housing (Black) &
Mounting Ring (Black)



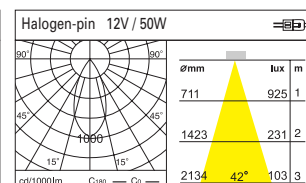
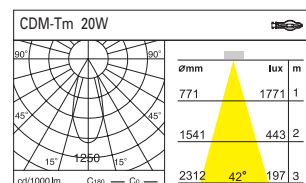
Narrow Beam

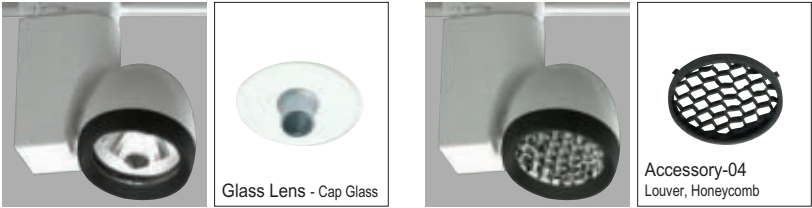


Medium Beam



Wide Beam

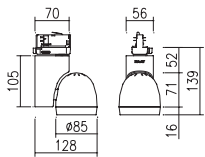




Track Accent Light

- DDC-63110.01 Halogen-pin 50W
- DDC-63111.01 CDM-Tm 20W

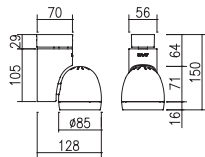
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

- DDC-63110.02 Halogen-pin 50W
- DDC-63111.02 CDM-Tm 20W

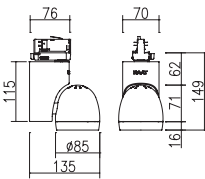
Surface Mounting Base / ABS Copolymer (White, Black)



Track Accent Light

- DDC-63110.03 Halogen-pin 75W, 100W
- DDC-63111.03 CDM-Tm 35W

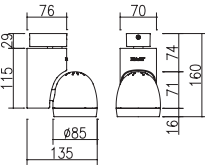
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

- DDC-63110.04 Halogen-pin 75W, 100W
- DDC-63111.04 CDM-Tm 35W

Surface Mounting Base / ABS Copolymer (White, Black)





DDC-63310 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle$ 180°)		
Mounting Ring	PBT (Black) & AL. Die-Casting, Electrostatic Powder Coating		
Gear Box	AL. Die-Casting, Electrostatic Powder Coating		
Track Adapter	PC (White, Black)		
Lamp & Socket	CDM-R mini 20W, 35W	_ GX10	
	CMH-MR16 20W	_ GX10	
	Dichroic Halogen 12V / 50W	_ GX5.3	



A Type
Housing (White) &
Mounting Ring (Black)



B Type
Housing (White) &
Mounting Ring (White)



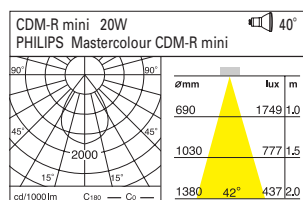
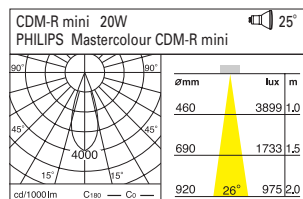
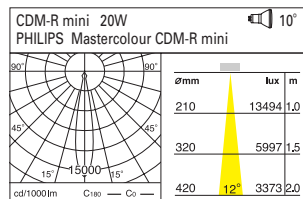
C Type
Housing (Gray) &
Mounting Ring (Black)



D Type
Housing (Gray) &
Mounting Ring (Gray)



E Type
Housing (Black) &
Mounting Ring (Black)

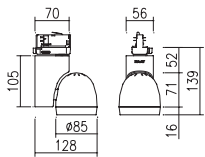




Track Accent Light

- DDC-63310.01 CDM-R mini, CMH-MR16
- DDC-63311.01 Dichroic Halogen 12V / 50W

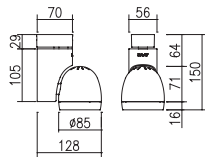
Track Adapter / PC (White, Black)



Ceiling Surface Mounted Accent Light

- DDC-63310.02 CDM-R mini, CMH-MR16
- DDC-63311.02 Dichroic Halogen 12V / 50W

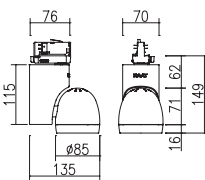
Surface Mounting Base / ABS Copolymer (White, Black)



Track Accent Light

- DDC-63310.03 CDM-R mini 35W

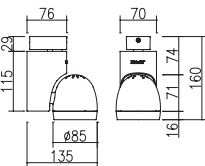
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

- DDC-63310.04 CDM-R mini 35W

Surface Mounting Base / ABS Copolymer (White, Black)

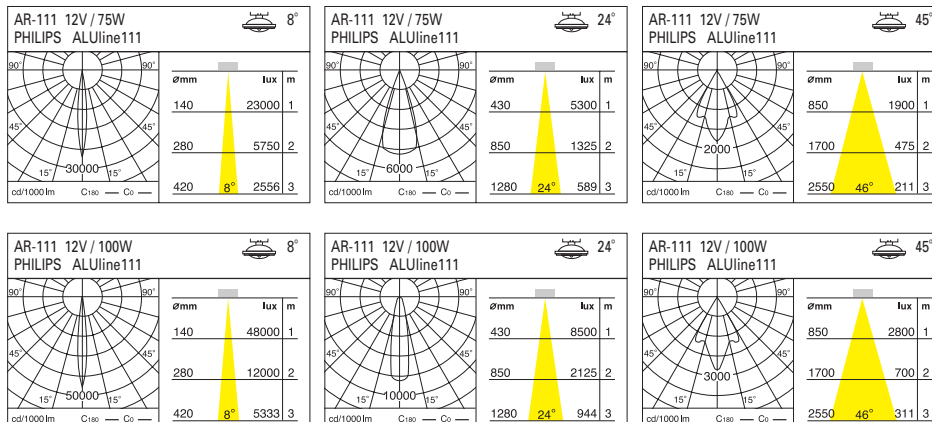




DDC-63130 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Mounting Ring	PBT (Black)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	AR-111 12V / 50W, 75W, 100W _G53

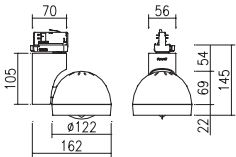




Track Accent Light

DDC-63130.01 AR-111 Halogen 12V / 50W

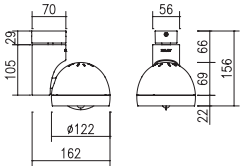
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

DDC-63130.02 AR-111 Halogen 12V / 50W

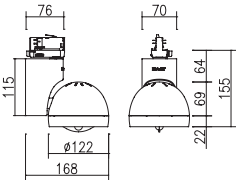
Surface Mounting Base / ABS Copolymer (White, Black)



Track Accent Light

DDC-63130.03 AR-111 Halogen 12V / 75W, 100W

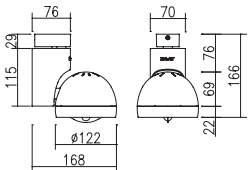
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

DDC-63130.04 AR-111 Halogen 12V / 75W, 100W

Surface Mounting Base / ABS Copolymer (White, Black)

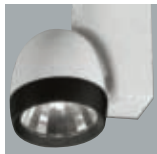
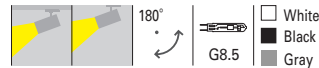




DDC-63160 series

| Track Accent Light | Ceiling Surface Mounted Accent Light |

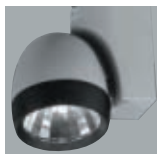
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Mounting Ring	PBT (Black) & AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Valley Medium Reflector _AL. Anodized Specular Silver Squarer Wide Reflector _AL. Anodized Specular Silver Embossing with Etching
Track Adapter	PC (White, Black)
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass(+ cap cover) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _G8.5



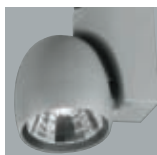
A Type
Housing (White) &
Mounting Ring (Black)



B Type
Housing (White) &
Mounting Ring (White)



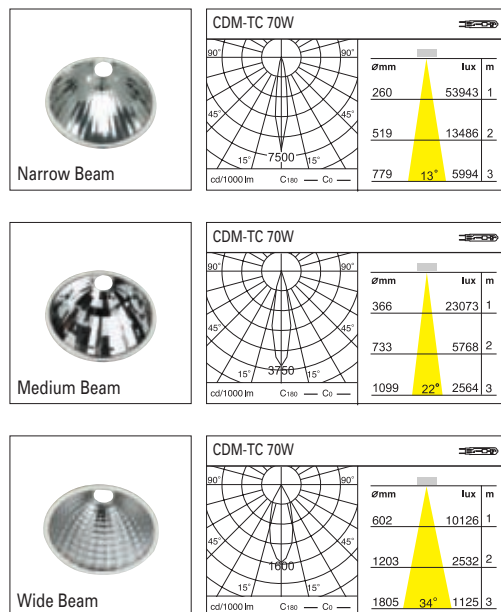
C Type
Housing (Gray) &
Mounting Ring (Black)

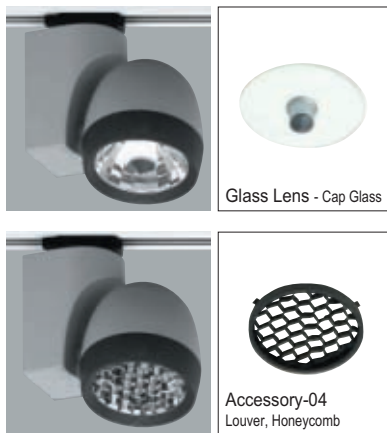


D Type
Housing (Gray) &
Mounting Ring (Gray)



E Type
Housing (Black) &
Mounting Ring (Black)

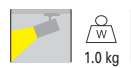
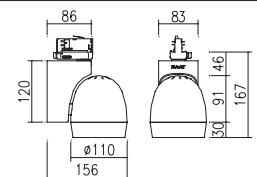




Track Accent Light

DDC-63160.01 CDM-TC

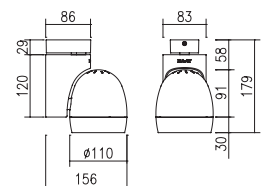
Track Adaptor / PC (White, Black)



Ceiling Surface Mounted Accent Light

DDC-63160.02 CDM-TC

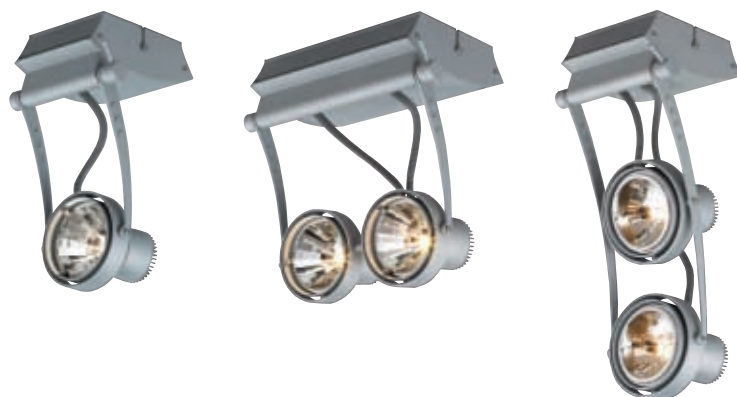
Surface Mounting Base / Flange : ABS Copolymer (White, Black)





Surface Mounted Accent Light

DDC-62110 series, DDC-62210 series





DDC-62110 series

| Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Rotating Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Gear Box	AL. Extrude, Electrostatic Powder Coating
Arm	AL. Plate
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing with Etching
Accessory	Glass Lens _ Clear Tempered Glass, Frosted Tempered Glass
Lamp & Socket	Halogen-pin 12V/ 50W, 75W, 100W _ GY6.35 CDM-TC 35W, 70W _ G8.5 PAR-30 Halogen 220V / 75W, 100W _ E-27

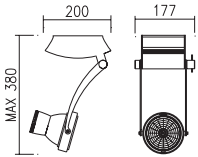


 Narrow Beam	 Halogen-pin 12V / 90W	 CDM-TC 70W
	 Medium Beam	 CDM-TC 70W
	 Wide Beam	 CDM-TC 70W



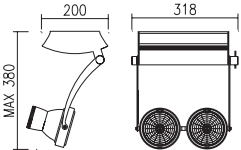
- DDC-62110 Halogen-pin
DDC-62111 CDM-TC
DDC-62112 PAR-30 Halogen

GY6.35	G8.5	E-27	1.6 kg



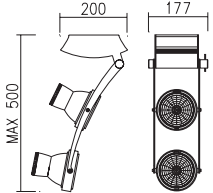
- DDC-62120 Halogen-pin
DDC-62121 CDM-TC
DDC-62122 PAR-30 Halogen

GY6.35	G8.5	E-27	2.5kg



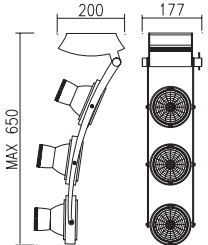
- DDC-62160 Halogen-pin
DDC-62161 PAR-30 Halogen

GY6.35	E-27	2.2 kg



- DDC-62170 Halogen-pin
DDC-62171 PAR-30 Halogen

GY6.35	E-27	3.0 kg

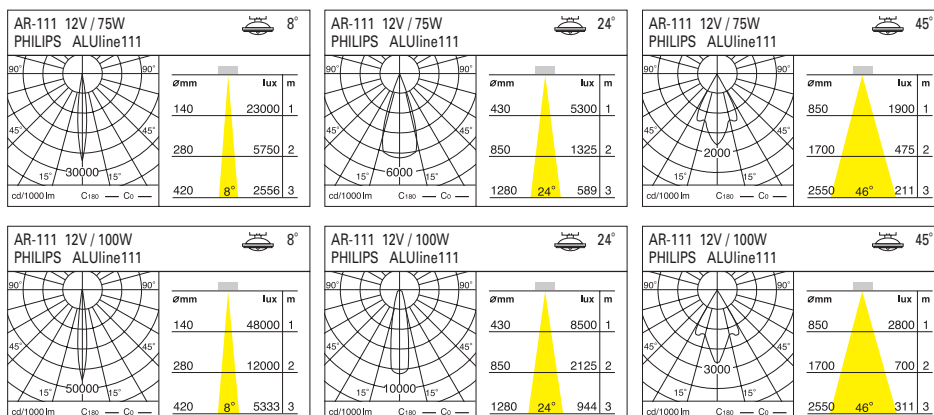




DDC-62210 series

| Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Rotating Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Gear Box	AL. Extrude, Electrostatic Powder Coating
Arm	AL. Plate
Reflector	for HID Lamp / 4 Beam
Accessory	for HID Lamp / Glass Lens
Lamp & Socket	AR-111 Halogen 12V / 50W, 75W, 100W _ G53 CDM-T, HCI-T 35W, 70W _ G12 HQI-T 70W _ G12

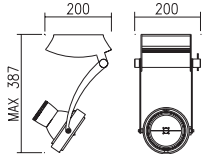
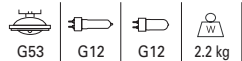




DDC-62210 AR-111 Halogen

DDC-62211 CDM-T

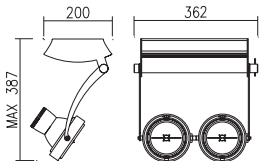
DDC-62212 HQI-T



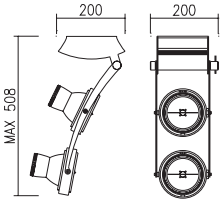
DDC-62220 AR-111 Halogen

DDC-62221 CDM-T

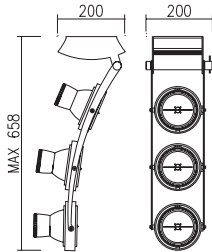
DDC-62222 HQI-T



DDC-62260 AR-111 Halogen



DDC-62270 AR-111 Halogen





Halogen-pin, Metal Halide

DDC-62310 series, DDC-62410



DDC-62310 series

Track accent lighting & ceiling surface mounted lighting was used for area and accent light. Fixture quantity and illumination was considered for soft mood and space use.

DDC-62410 series

Space usage, display and sales were considered for lighting design. Only track accent lighting was used for area and accent light..



DDC-62310 series

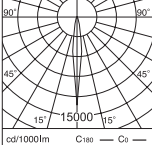
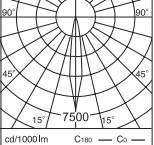
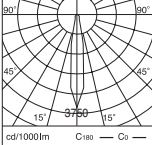
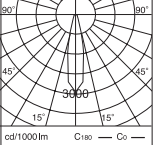
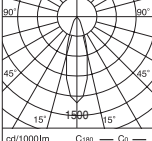
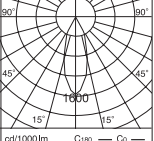
| Track Accent Light & Surface Mounted Accent Light |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Rotating Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Gear Box	AL. Extrude, Electrostatic Powder Coating
Arm	AL. Plate
Track Adapter	PC (White, Black)
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing with Etching
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass
Lamp & Socket	Halogen-pin 12V/ 50W, 75W, 100W _GY6.35 CDM-TC 35W, 70W _G8.5



Ballast Case Line Color Choice



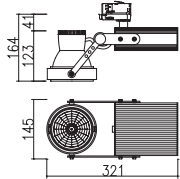
	Halogen-pin 12V / 90W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>132</td><td>24219</td><td>1</td></tr><tr><td>263</td><td>6055</td><td>2</td></tr><tr><td>395</td><td>2691</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	132	24219	1	263	6055	2	395	2691	3	CDM-TC 70W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>260</td><td>53943</td><td>1</td></tr><tr><td>519</td><td>13486</td><td>2</td></tr><tr><td>779</td><td>5994</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	260	53943	1	519	13486	2	779	5994	3
ømm	lux	m																								
132	24219	1																								
263	6055	2																								
395	2691	3																								
ømm	lux	m																								
260	53943	1																								
519	13486	2																								
779	5994	3																								
	Halogen-pin 12V / 90W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>279</td><td>6339</td><td>1</td></tr><tr><td>559</td><td>1585</td><td>2</td></tr><tr><td>838</td><td>704</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	279	6339	1	559	1585	2	838	704	3	CDM-TC 70W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>379</td><td>19900</td><td>1</td></tr><tr><td>758</td><td>4975</td><td>2</td></tr><tr><td>1137</td><td>2211</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	379	19900	1	758	4975	2	1137	2211	3
ømm	lux	m																								
279	6339	1																								
559	1585	2																								
838	704	3																								
ømm	lux	m																								
379	19900	1																								
758	4975	2																								
1137	2211	3																								
	Halogen-pin 12V / 90W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>524</td><td>2957</td><td>1</td></tr><tr><td>1049</td><td>739</td><td>2</td></tr><tr><td>1573</td><td>326</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	524	2957	1	1049	739	2	1573	326	3	CDM-TC 70W  <table><thead><tr><th>ømm</th><th>lux</th><th>m</th></tr></thead><tbody><tr><td>561</td><td>12333</td><td>1</td></tr><tr><td>1123</td><td>3083</td><td>2</td></tr><tr><td>1684</td><td>1370</td><td>3</td></tr></tbody></table> cd/1000lm C180 Co	ømm	lux	m	561	12333	1	1123	3083	2	1684	1370	3
ømm	lux	m																								
524	2957	1																								
1049	739	2																								
1573	326	3																								
ømm	lux	m																								
561	12333	1																								
1123	3083	2																								
1684	1370	3																								



Track Accent Light

DDC-62310 Halogen-pin

DDC-62311 CDM-TC



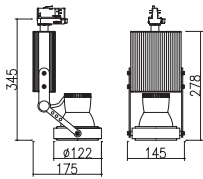
 Weight : 1.5 kg



Track Accent Light

DDC-62330 Halogen-pin

DDC-62331 CDM-TC



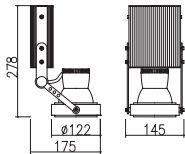
 Weight : 1.5 kg



Ceiling Surface Mounted Accent Light

DDC-62340 Halogen-pin

DDC-62341 CDM-TC



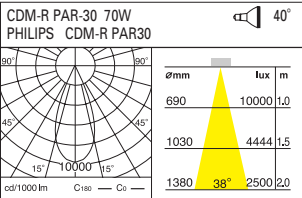
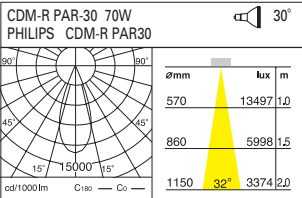
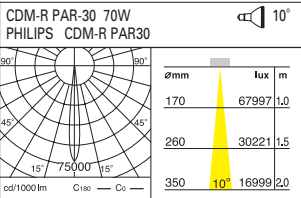
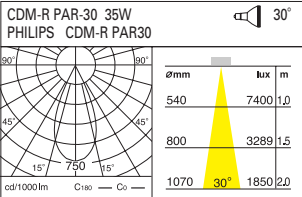
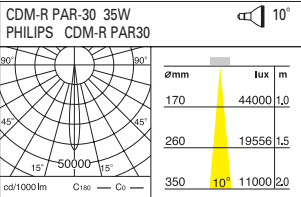
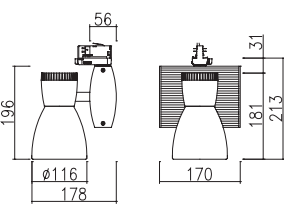
 Weight : 1.5 kg



DDC-62410

I Track Accent Light I

Lamp Housing	AL. Plate & AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Gear Box	AL. Extrude with Punched Steel Plate, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	CDM-R PAR-30 35W, 70W E-27







AR-111 Halogen, Metal Halide

DDC-62560 series, DDC-62610 series





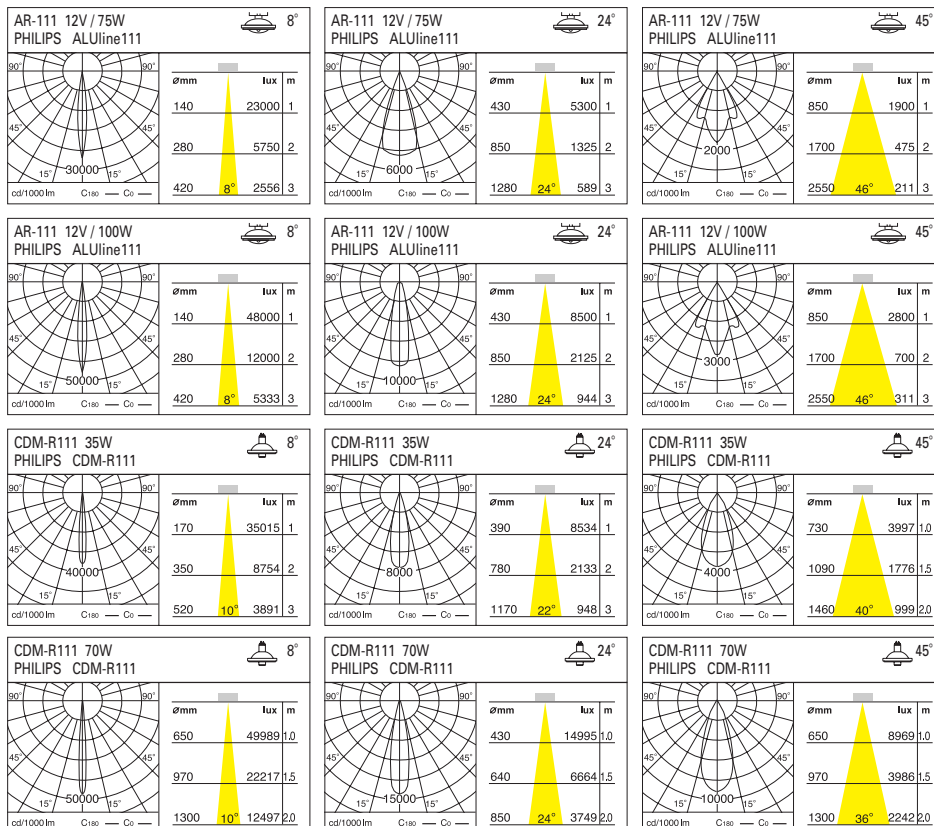
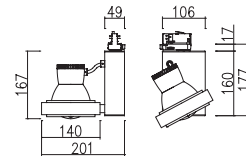
DDC-62560 series

I Track Accent Light I

Lamp Housing	AL. Plate & AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Rotating Ring	AL. Plate & AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Gear Box	AL. Extrude, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass
Lamp & Socket	AR-111 Halogen 12V/50W, 75W, 100W _ G53 CDM-R 111 35W, 70W _ GX8.5

DDC-62560 AR-111 Halogen

DDC-62561 CDM-R111



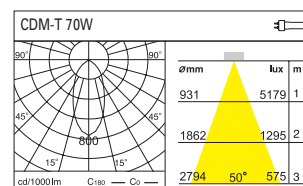
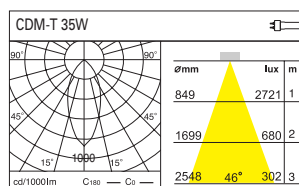
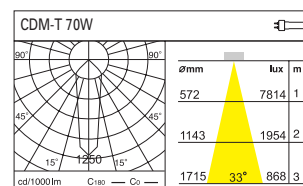
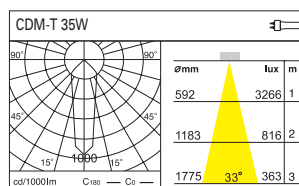
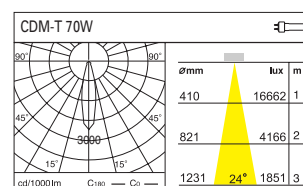
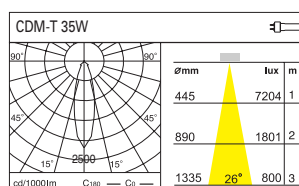
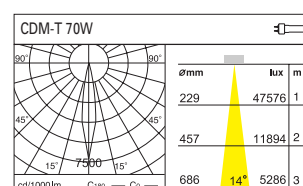
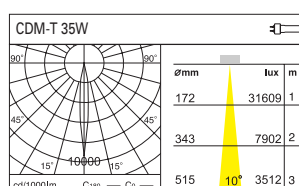
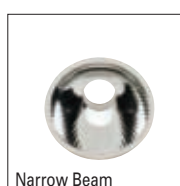
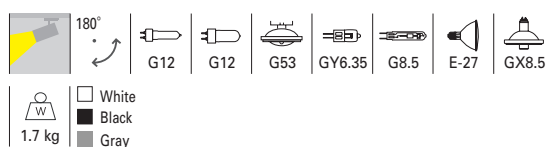
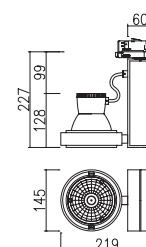


DDC-62610 series

I Track Accent Light I

Lamp Housing	AL. Plate & AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)		
Rotating Ring	AL. Plate & AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)		
Gear Box	AL. Extrude, Electrostatic Powder Coating		
Reflector	Narrow Reflector	_ AL. Anodized Specular Silver Vally	
	Medium Reflector 1	_ AL. Anodized Specular Silver Square	
	Medium Reflector 2	_ AL. Anodized Specular Silver Square with Embossing	
	Wide Reflector	_ AL. Anodized Specular Silver Embossing with Etching	
Track Adapter	PC (White, Black)		
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass		
Lamp & Socket	CDM-T, HCI-T	35W, 70W	_ G12
	HQI-T	70W	_ G12
	AR-111 Halogen	12V / 50W, 75W, 100W	_ G53
	Halogen-pin	12V / 50W, 75W, 100W	_ GY6.35
	CDM-TC	35W, 70W	_ G8.5
	PAR-30 Halogen	220V / 75W, 100W	_ E-27
	CDM-R 111	35W, 70W	GX8.5

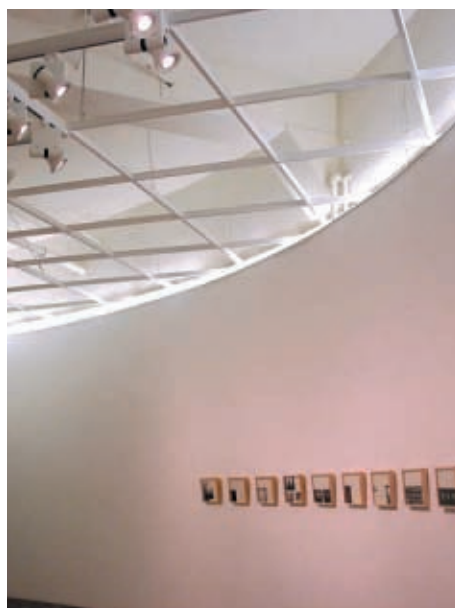
DDC-62610	CDM-T, HCI-T
DDC-62611	HQI-T
DDC-62612	AR-111 Halogen
DDC-62613	Halogen-pin
DDC-62614	CDM-TC
DDC-62615	PAR-30 Halogen
DDC-62616	CDM-R111





Metal Halide

DDC-62710 series, DDC-62760

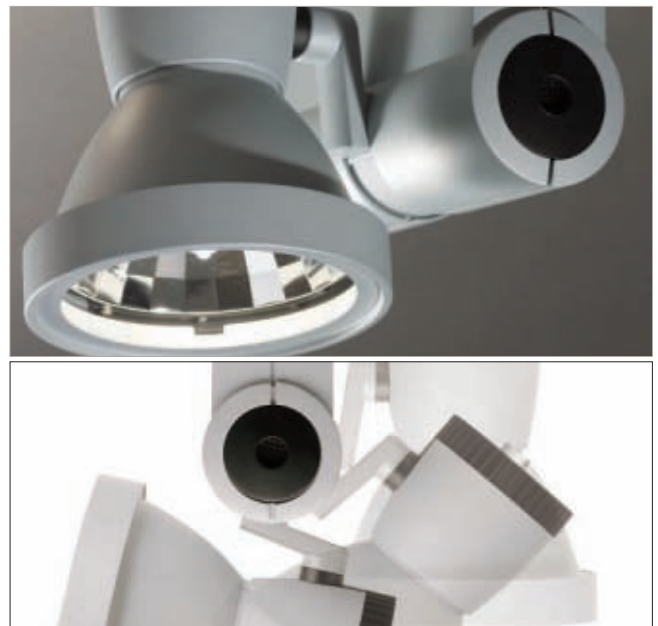




| Track Accent Light |

Technical drawing of the 1000 Series LED Flood Light showing front and side views with dimensions:

- Front View (Left):**
 - Overall height: 223
 - Base diameter: $\varnothing 130$
 - Base width: 196
 - Mounting arm length: 56
- Side View (Right):**
 - Overall height: 103
 - Mounting arm height: 153 ± 0.6
 - Base width: 184





DDC-62760

| Track Accent Light |

- Lamp Housing AL. Plate & AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle (Tilt $\angle 180^\circ$)
- Gear Box AL. Die-Casting, Electrostatic Powder Coating
- Track Adapter PC (White, Black)
- Lamp & Socket CDM-R PAR-30 35W, 70W E-27

 180°

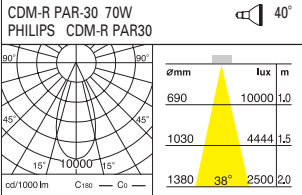
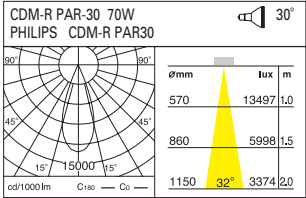
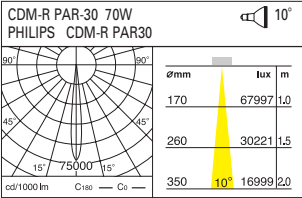
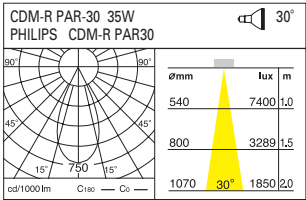
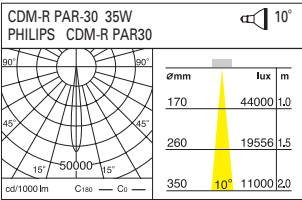
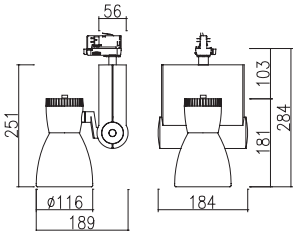
 E-27

 1.5 kg

☐ White

☐ Black

☐ Gray





PAR-30 Halogen, Metal Halide

DDC-62810, DDC-62820, DDC-62910 series



ACCENT LIGHTS | PAR-30 HALOGEN



DDC-62810

I Track Accent Light I

Lamp Housing	AL. Die-Casting & Steel Plate, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	PAR-30 Halogen 220V/ 75W, 100W _E-27



180°



E-27



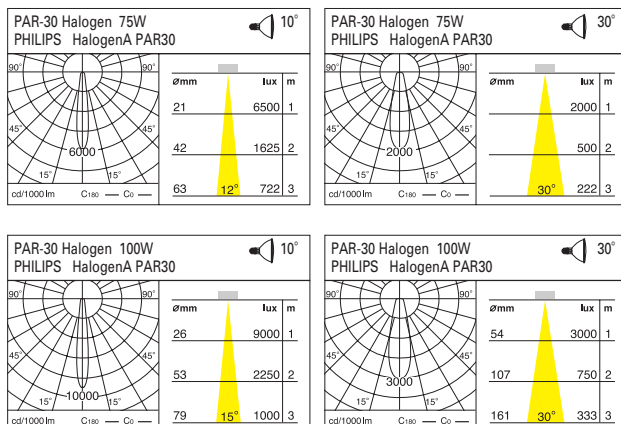
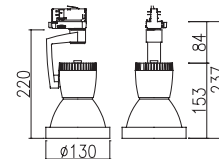
0.7 kg



White

Black

Gray





DDC-62820

I Track Accent Light I

Lamp Housing	AL. Die-Casting & Steel Plate, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating
Track Adapter	PC (White, Black)
Lamp & Socket	PAR-30 Halogen 220V/ 75W, 100W _E-27



180°



E-27

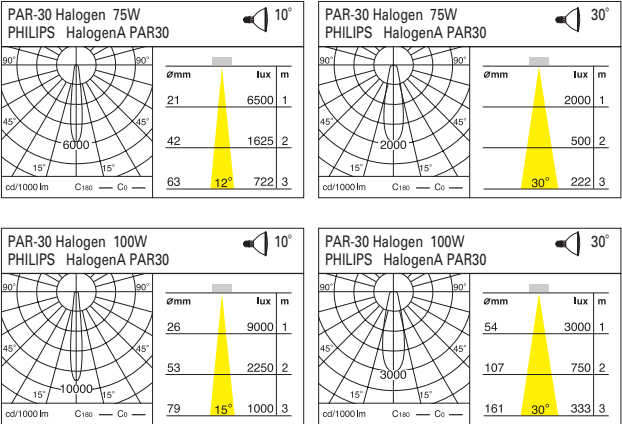
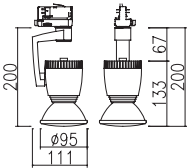


0.5 kg

☐ White

☐ Black

☐ Gray



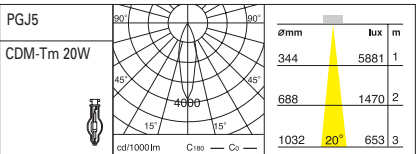
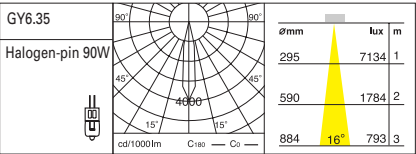
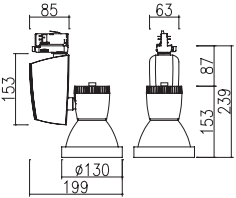


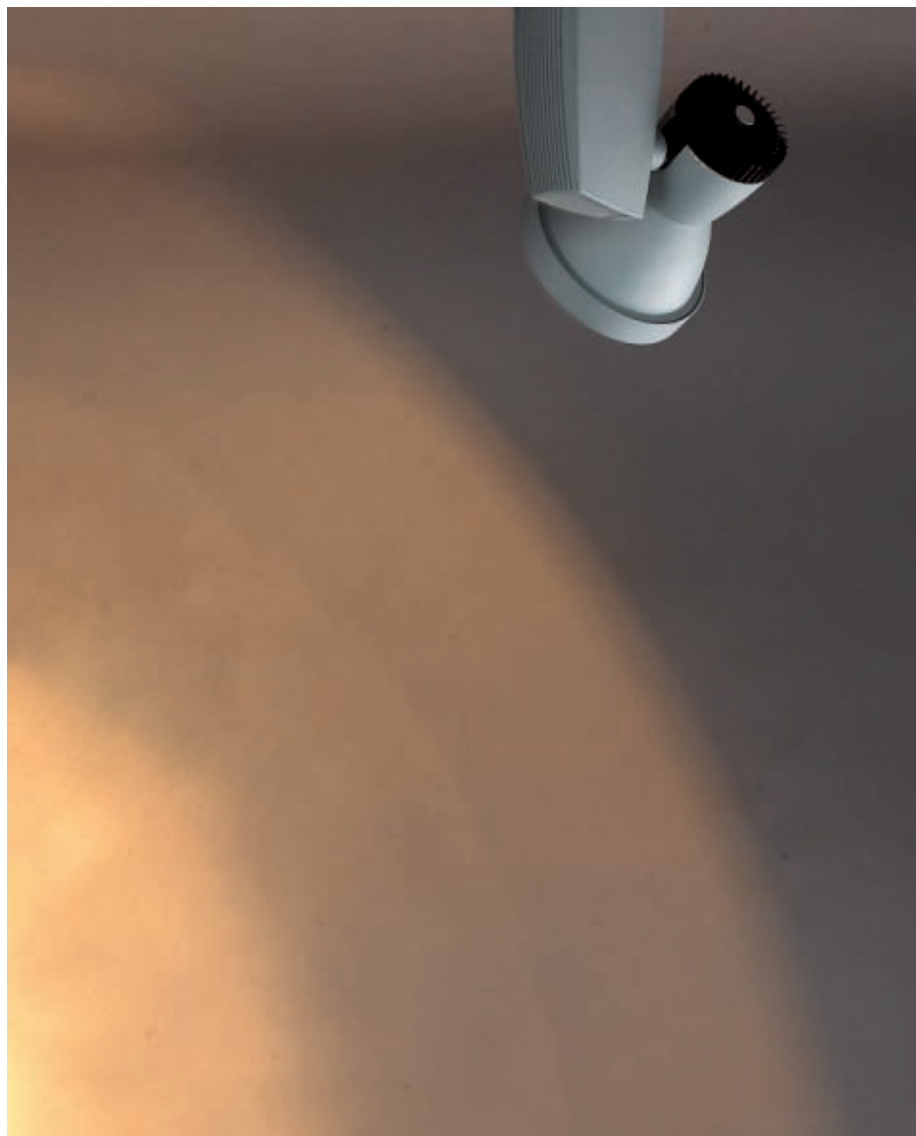
DDC-62910 series

Lamp Housing	AL. Die-Casting & Steel Plate, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 180^\circ$)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver
Track Adapter	PC (White, Black)
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass
Lamp & Socket	Halogen-pin 12V/ 50W, 75W, 100W _GY6.35 CDM-Tm 20W, 35W _PGJ5 CMH supermini 20W, 35W _GU6.5

I Track Accent Light I

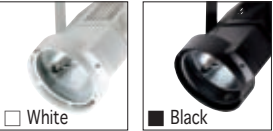
DDC-62910	Halogen-pin
DDC-62911	CDM-Tm
DDC-62912	CMH-super mini



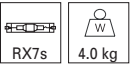


DS-46010 series

I Track Accent Light & Surface Mounted Accent Light I

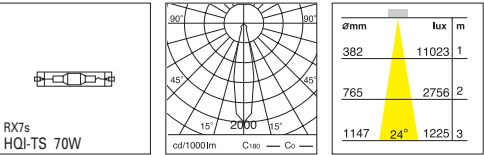


Lamp Housing	AL. Extrude, Electrostatic Powder Coating (White, Black) Adjustable Angle : Rotation $\angle 360^{\circ}$, Tilt $\angle 45^{\circ}$
Ballast Box	AL. Extrude, Electrostatic Powder Coating (White, Black) Only for Magnetic Ballast
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (White, Black)
Reflector	AL. Anodized Embossing
Adaptor	PC
Accessory	Glass Lens : Clear Tempered Glass
Lamp & Socket	HQI-TS 70W _RX7s



Installation Instruction

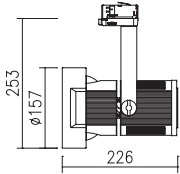
** For Special orders, please make inquiries us.



TRACK ACCENT LIGHT

DS-46010

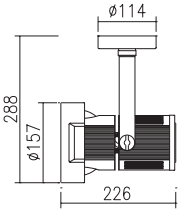
Adaptor	PC, 3 Phase(4P-3circuit) Track System Only for 4P Track
Lamp & Socket	HQI-TS 70W _RX7s



CEILING SURFACE MOUNTED ACCENT LIGHT

DS-46020

Base	AL. Die-Casting, Electrostatic Powder Coating (White, Black)
Lamp & Socket	HQI-TS 70W _RX7s

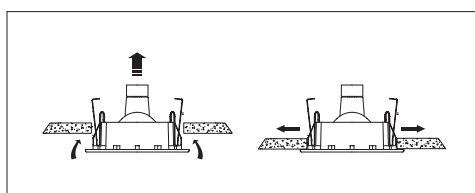






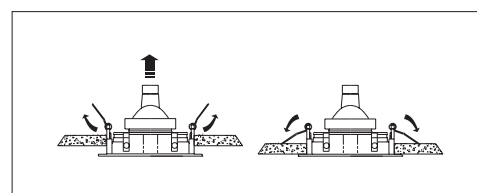
Recessed Down Light

INSTALLATION INSTRUCTION



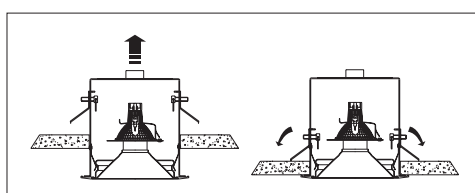
A type

1. If the ceiling thickness is too thin, a lighting fixture does not fix well and is drooping under the ceiling.
2. The permissible range of the ceiling thickness is 10mm~20mm. On except term, please make inquiries us.



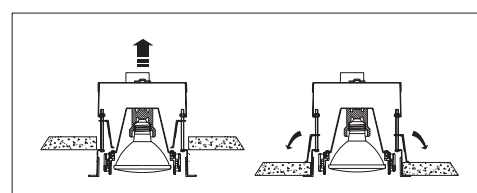
B type

1. If the ceiling thickness is too thin, it needs extra reinforcement work.
2. The permissible range of the ceiling thickness is 5mm~15mm. On except term, please make inquiries us.



C type

1. If the ceiling thickness is too thin, a lighting fixture does not fix well and is drooping under the ceiling.
2. The permissible range of the ceiling thickness is 5mm~20mm. On except term, please make inquiries us.
3. The square trim luminaires need exact aperture size. If not, light comes through out.



D type

1. If the ceiling thickness is too thin, a lighting fixture does not fix well and is drooping under the ceiling.
2. The permissible range of the ceiling thickness is 5mm~20mm. On except term, please make inquiries us.
3. This type is fixed turning the pivot screws. If use machine tool, please control its speed. Strong powerful rotation at the first step, the head of the screw may be broken and not use any more.

- Attention -

When installing,

1. Please check the ceiling thickness and use fixtures in a permissible range.
2. If the ceiling thickness is too thin to meet the permissible range, the ceiling needs reinforcement work around aperture.
3. If there is no room the inside of the ceiling or a wire is too thick, a fixture gets impaction. Please check the inside space of the ceiling.





Dichroic Halogen, Halopar16, CDM-R mini

DD-30010 series



order no.	DD-30010.01 Series	DD-30010.02 Series	DD-30010.03 Series	DD-30010.04 Series	DD-30010.05 Series	DD-30010.06 Series
lamp type	Dichroic Halogen / Halopar16	Dichroic Halogen / Halopar16, CDM-R mini	Dichroic Halogen / Halopar16, CDM-R mini	Dichroic Halogen / Halopar16, CDM-R mini	Dichroic Halogen / Halopar16, CDM-R mini	Dichroic Halogen / Halopar16, CDM-R mini
socket	GX5.3 / GZ10	GX5.3 / GZ10 / GX10	GX5.3 / GZ10 / GX10	GX5.3 / GZ10 / GX10	GX5.3 / GZ10 / GX10	GX5.3 / GZ10 / GX10
max wattage	50W / 50W	50W / 50W / 35W	50W / 50W / 35W	50W / 50W / 35W	50W / 50W / 35W	50W / 50W / 35W
voltage	12V / 220V	12V / 220V	12V / 220V	12V / 220V	12V / 220V	12V / 220V
lamp symbol	 / 	 /  / 	 /  / 	 /  / 	 /  / 	 /  / 
	↓	↓	↓	↓	↓	↓
page	p.82	p.84	p.86	p.88	p.90	p.94

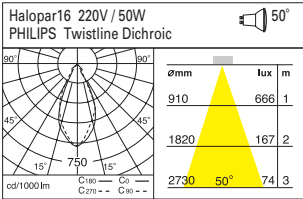
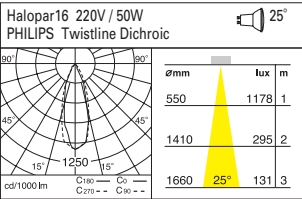
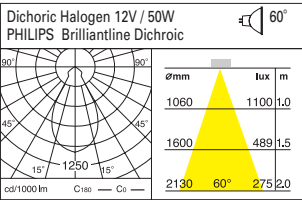
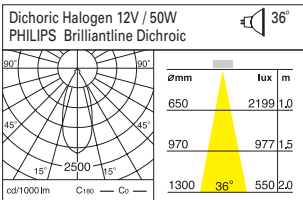
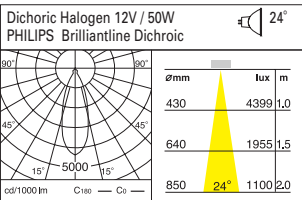


DD-30010.01 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt ∠25°
Housing	Steel
Lamp & Socket	Dichroic Halogen 12V/50W _GX5.3 Halopar16 220V/50W _GZ10



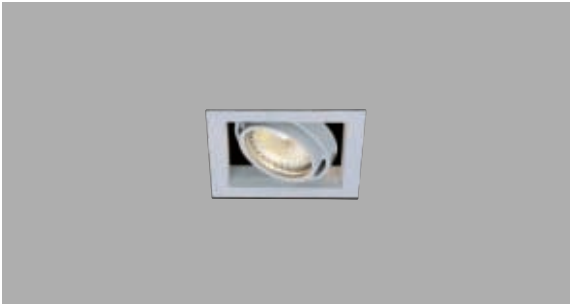
If it is necessary, spring type change is available.
** For Special orders, please make inquiries us.

ELECTRIC TERMINAL BLOCK

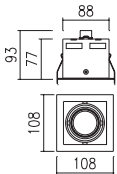


INSTALLATION INSTRUCTION
(explanations on page 79)

B type : 1 Lamp, 2 Lamps, 3 Lamps
D type : 4 Lamps



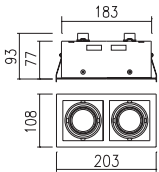
DD-30010.01 Dichroic Halogen
DD-30011.01 Halopar 16



 Weight : 0.4kg
 94 x 94mm (3 7/10" x 3 7/10")



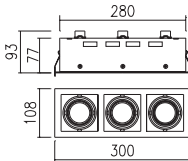
DD-30020.01 Dichroic Halogen
DD-30021.01 Halopar 16



 Weight : 0.7kg
 189 x 94mm (7 2/5" x 3 7/10")



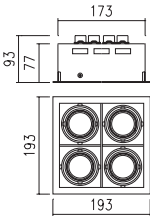
DD-30030.01 Dichroic Halogen
DD-30031.01 Halopar 16



 Weight : 1.1kg
 286 x 94mm (11 1/5" x 3 7/10")



DD-30040.01 Dichroic Halogen
DD-30041.01 Halopar 16



 Weight : 1.5kg
 179 x 179mm (7" x 7")

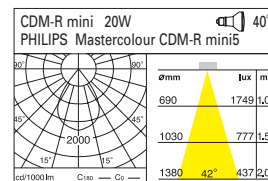
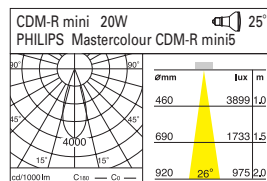
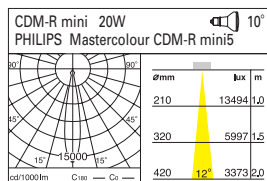
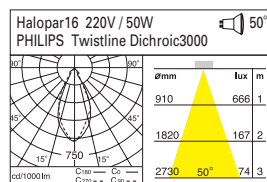
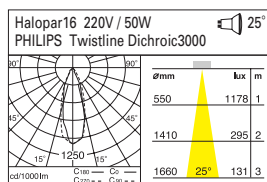
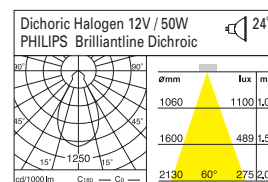
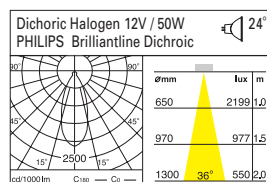
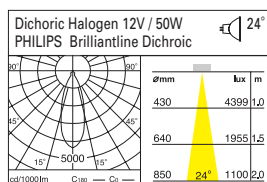


DD-30010.02 series

I Recessed Down Light | Accent Light |



Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Lamp & Socket	Dichroic Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GX10 CDM-R mini 20W, 35W _ GX10



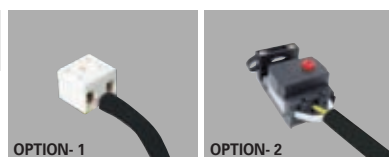
If it is necessary, spring type change is available.

** For Special orders, please make inquiries us.

** As you use CDM-R mini Lamp,

The housing height of luminaire will be different.
Please make inquiries us.

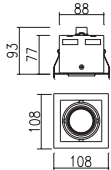
ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)

B type : 1 Lamp, 2 Lamps, 3 Lamps
D type : 4 Lamps



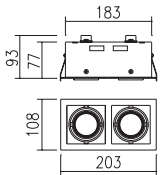
- DD-30010.02 Dichroic Halogen
- DD-30011.02 Halopar 16
- DD-30012.02 CDM-R mini



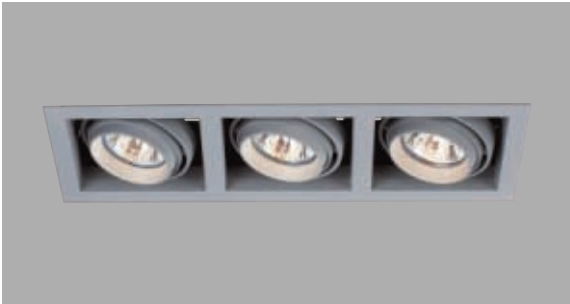
 Weight : 0.4kg
 94 x 94mm (3 7/10" x 3 7/10")



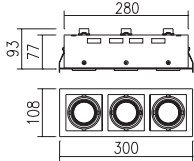
- DD-30020.02 Dichroic Halogen
- DD-30021.02 Halopar 16
- DD-30022.02 CDM-R mini



 Weight : 0.7kg
 189 x 94mm (7 25/32" x 3 7/10")



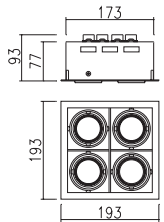
- DD-30030.02 Dichroic Halogen
- DD-30031.02 Halopar 16
- DD-30032.02 CDM-R mini



 Weight : 1.1kg
 286 x 94mm (11 15/16" x 3 7/10")



- DD-30040.02 Dichroic Halogen
- DD-30041.02 Halopar 16
- DD-30042.02 CDM-R mini



 Weight : 1.5kg
 179 x 179mm (7" x 7")

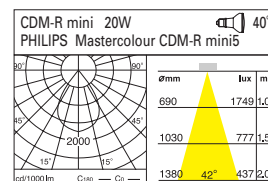
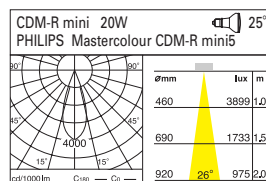
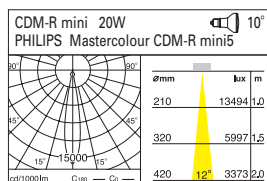
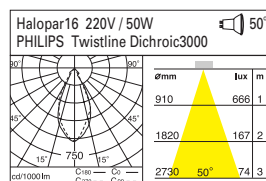
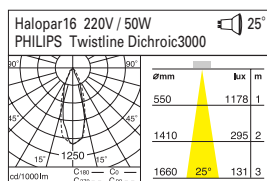
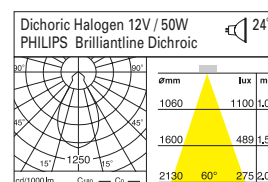
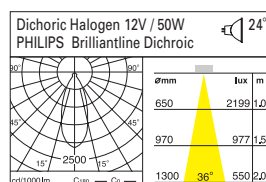
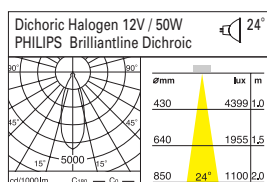


DD-30010.03 series

I Recessed Down Light | Accent Light |



Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Lamp & Socket	Dichroic Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GZ10 CDM-R mini 20W, 35W _ GX10



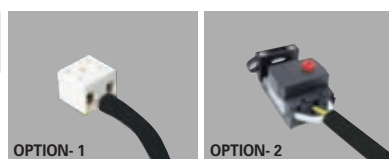
If it is necessary, spring type change is available.

** For Special orders, please make inquiries us.

** As you use CDM-R mini Lamp,

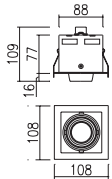
The housing height of luminaire will be different.
Please make inquiries us.

ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)B type : 1 Lamp, 2 Lamps, 3 Lamps
D type : 4 Lamps



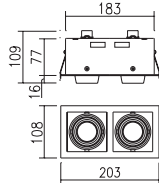
- DD-30010.03 Dichroic Halogen
DD-30011.03 Halopar 16
DD-30012.03 CDM-R mini



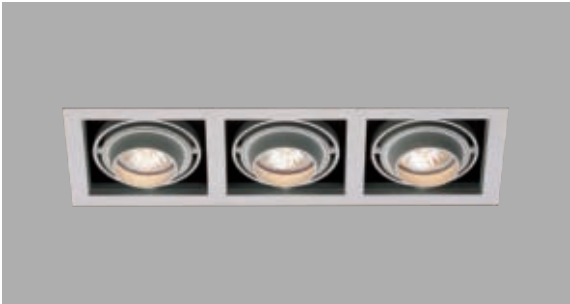
 Weight : 0.4kg
 94 x 94mm (3 7/10" x 3 7/10")



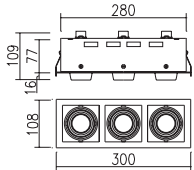
- DD-30020.03 Dichroic Halogen
DD-30021.03 Halopar 16
DD-30022.03 CDM-R mini



 Weight : 0.7kg
 189 x 94mm (7 25/32" x 3 7/10")



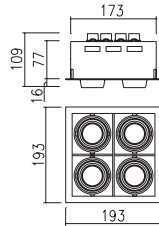
- DD-30030.03 Dichroic Halogen
DD-30031.03 Halopar 16
DD-30032.03 CDM-R mini



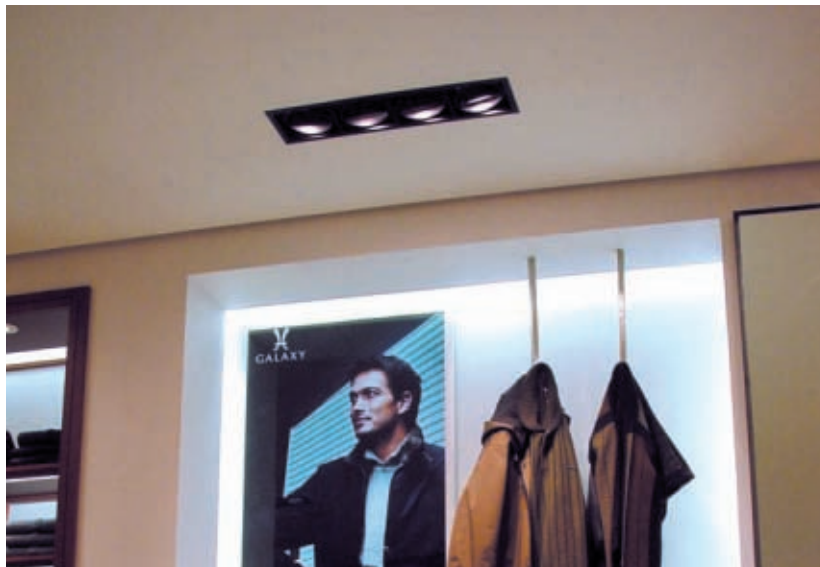
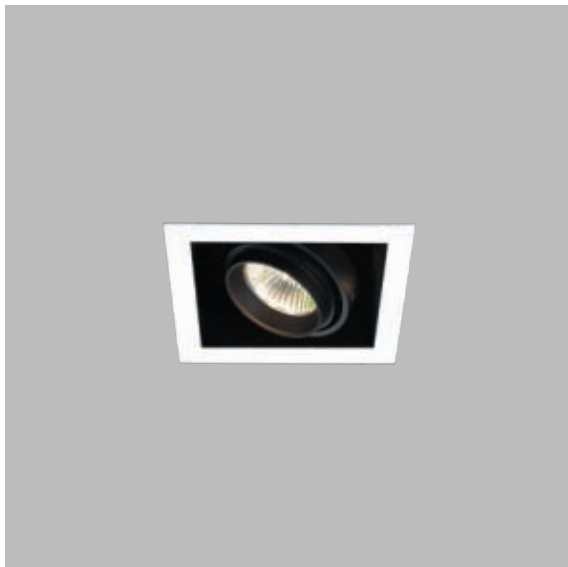
 Weight : 1.1kg
 286 x 94mm (11 15/16" x 3 7/10")



- DD-30040.03 Dichroic Halogen
DD-30041.03 Halopar 16
DD-30042.03 CDM-R mini



 Weight : 1.5kg
 179 x 179mm (7" x 7")

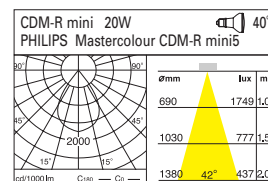
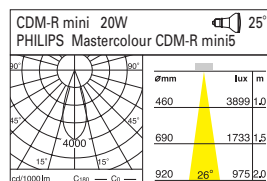
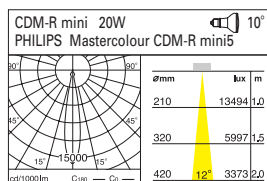
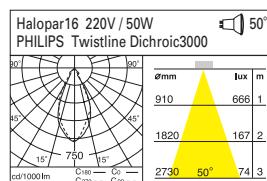
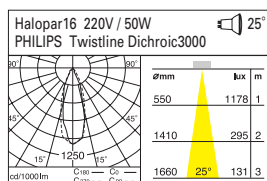
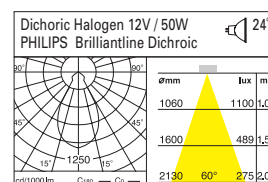
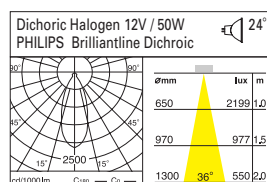
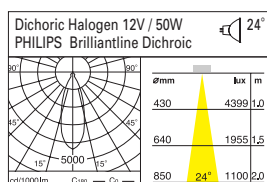


DD-30010.04 series

I Recessed Down Light | Accent Light I



Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Lamp & Socket	Dichoric Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GZ10 CDM-R mini 20W, 35W _ GX10

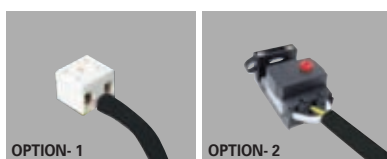


If it is necessary, spring type change is available.

** For Special orders, please make inquiries us.

** As you use CDM-R mini Lamp,
The housing height of luminaire will be different.
Please make inquiries us.

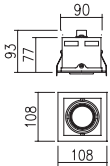
ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)

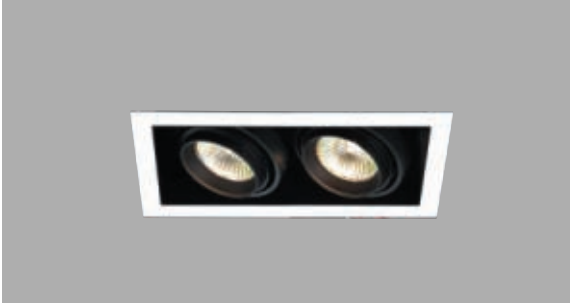
B type : 1 Lamp, 2 Lamps, 3 Lamps
D type : 4 Lamps



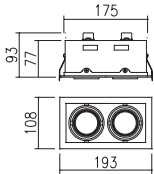
- DD-30010.04 Dichroic Halogen
- DD-30011.04 Halopar 16
- DD-30012.04 CDM-R mini



Weight : 0.4kg
96 x 96mm (3 4/5" x 3 4/5")



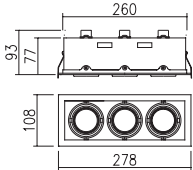
- DD-30020.04 Dichroic Halogen
- DD-30021.04 Halopar 16
- DD-30022.04 CDM-R mini



Weight : 0.7kg
179 x 96mm (7" x 3 4/5")



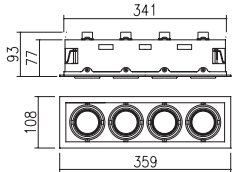
- DD-30030.04 Dichroic Halogen
- DD-30031.04 Halopar 16
- DD-30032.04 CDM-R mini



Weight : 1.0kg
264 x 96mm (10 2/5" x 3 4/5")



- DD-30050.04 Dichroic Halogen
- DD-30051.04 Halopar 16
- DD-30052.04 CDM-R mini



Weight : 1.5kg
345 x 96mm (13 3/5" x 3 4/5")



DD-30010.05 series

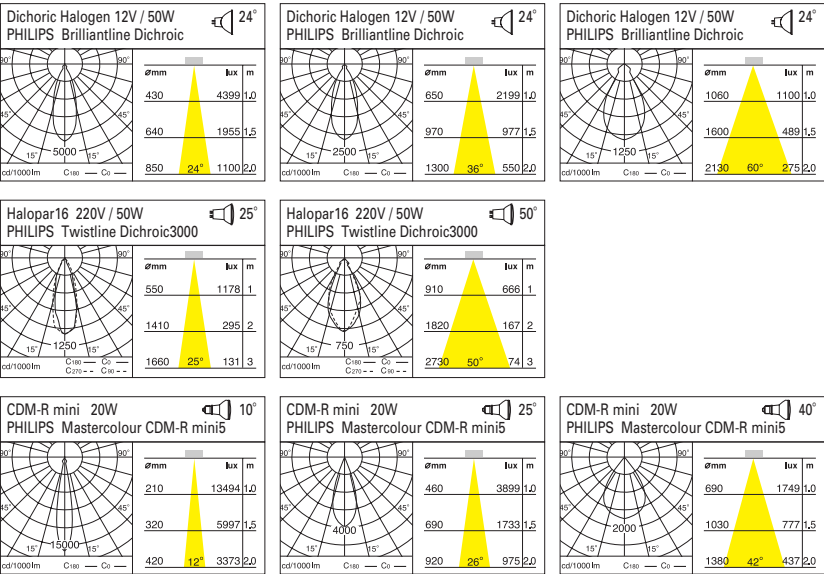
| Recessed Down Light | Accent Light | Trimless Down Light |



Adjustable Ring AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

Housing Steel

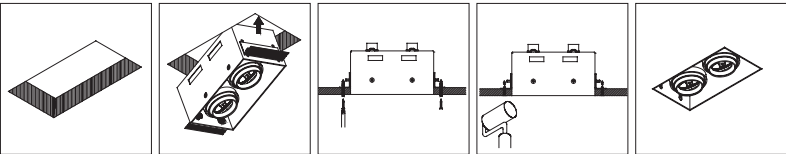
Lamp & Socket Dichroic Halogen 12V/50W _ GX5.3
Halopar16 220V/50W _ GZ10
CDM-R mini 20W, 35W _ GX10



ELECTRIC TERMINAL BLOCK



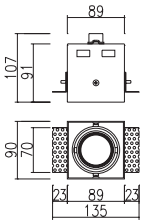
INSTALLATION INSTRUCTION



1. Check the aperture size of this lighting fixture. Need exact cutting on the surface.
2. Put the fixture inside of the hall. Fix the "L" panel height with hexagon head bolt to meet ceiling thickness.
3. After fit ceiling surface height to lighting fixture height, fix "L" panel on the ceiling with screw bolt.
4. After install fixture, finish interior plasterwork.
5. Finished.



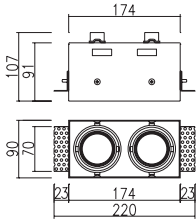
- DD-30010.05 Dichroic Halogen
- DD-30011.05 Halopar 16
- DD-30012.05 CDM-R mini



Weight : 0.7kg
90 x 91mm (3 1/2" x 3 3/5")



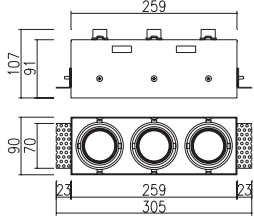
- DD-30020.05 Dichroic Halogen
- DD-30021.05 Halopar 16
- DD-30022.05 CDM-R mini



Weight : 1.0kg
175 x 91mm (6 9/10" x 3 3/5")



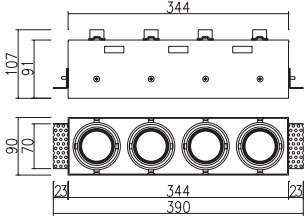
- DD-30030.05 Dichroic Halogen
- DD-30031.05 Halopar 16
- DD-30032.05 CDM-R mini



Weight : 1.4kg
260 x 91mm (10 1/5" x 3 3/5")



- DD-30050.05 Dichroic Halogen
- DD-30051.05 Halopar 16
- DD-30052.05 CDM-R mini



Weight : 3.0kg
345 x 91mm (13 3/5" x 3 3/5")

Trimless Down Lights

1 Lamp, 2 Lamps, 3 Lamps

※ 1 Lamp

114 x 114 mm



DD-30010.06 Series

Lamp	Dichroic Halogen	12V/50W	_ GX5.3
	Halopar16	220V/50W	_ GZ10
	CDM-R mini	20W, 35W	_ GX10

137 x 137 mm



DD-31110.06 Series

Lamp	CMH-super mini	20W, 35W	_ GU6.5
	Halogen-pin	12V/50W, 75W, 100W	_ GY6.35
	CDM-Tm	20W, 35W	_ PGJ5



DD-31410.04 Series

Lamp	CDM-TC	35W, 70W	_ G8.5
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177 x 186 mm



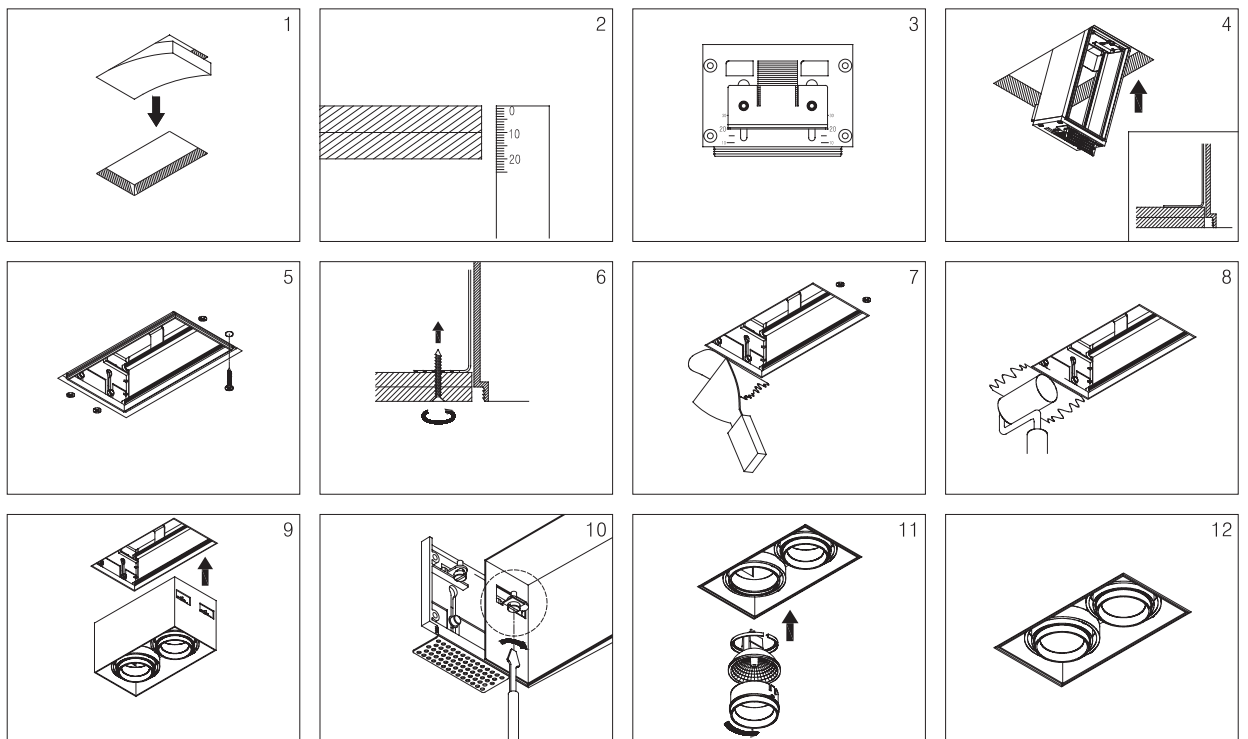
DD-32010.06 Series

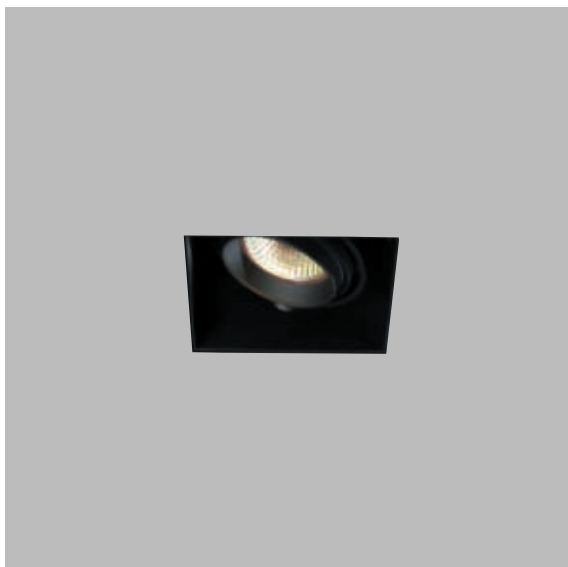
Lamp	AR-111	12V/ 50W, 75W, 100W	_ G53
	CDM-R111	35W, 70W	_ GX8.5



DD-32110.05 Series

Lamp	CDM-T	35W, 70W, 150W	_ G12
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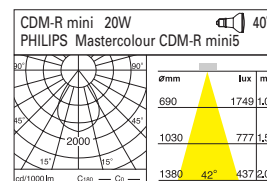
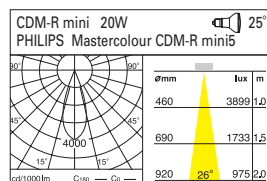
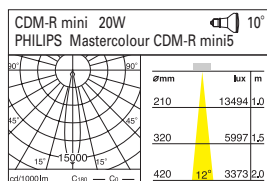
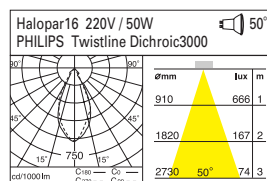
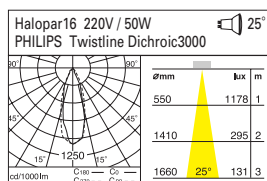
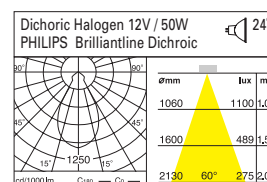
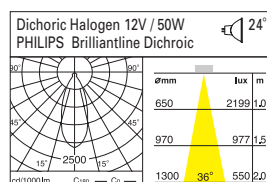
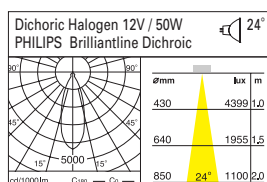


DD-30010.06 series

| Recessed Down Light | Accent Light | Trimless Down Light |



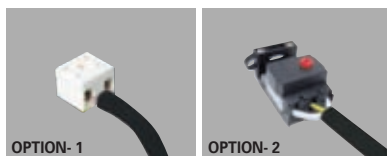
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Trimless Mounting Kit	AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating
Lamp & Socket	Dichoric Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GZ10 CDM-R mini 20W, 35W _ GX10



If it is necessary, spring type change is available.

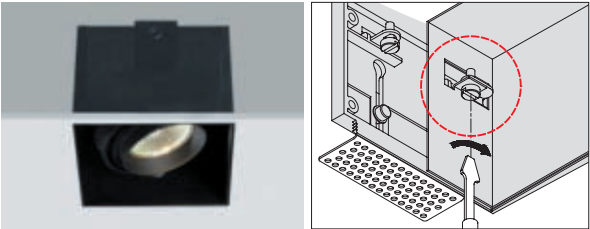
** For Special orders, please make inquiries us.

ELECTRIC TERMINAL BLOCK

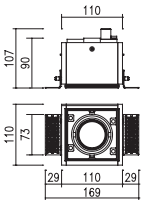


INSTALLATION INSTRUCTION
(explanations on page 93)

Trimless Installation Instruction



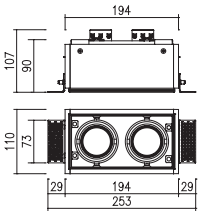
- DD-30010.06 Dichroic Halogen
- DD-30011.06 Halopar 16
- DD-30012.06 CDM-R mini



Weight : 1.0kg
114 x 114 mm (4 1/2" x 4 1/2")



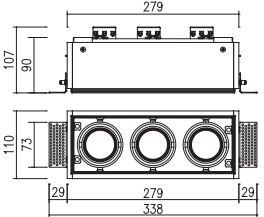
- DD-30020.06 Dichroic Halogen
- DD-30021.06 Halopar 16
- DD-30022.06 CDM-R mini



Weight : 1.6kg
198 x 114mm (7 4/5" x 4 1/2")



- DD-30030.06 Dichroic Halogen
- DD-30031.06 Halopar 16
- DD-30032.06 CDM-R mini



Weight : 2.5kg
283 x 114mm (11 1/10" x 4 1/2")

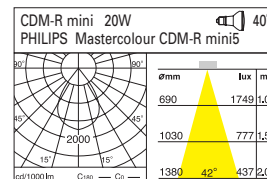
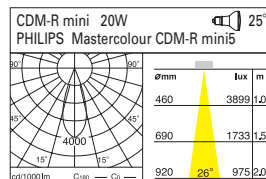
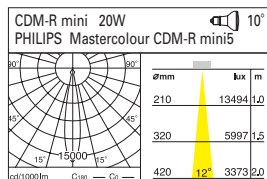
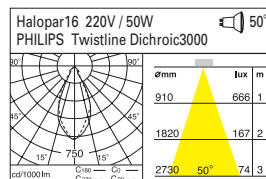
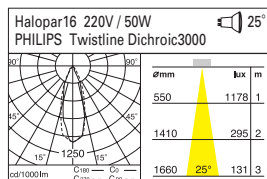
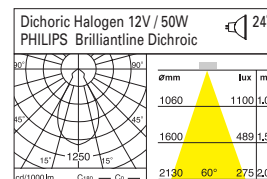
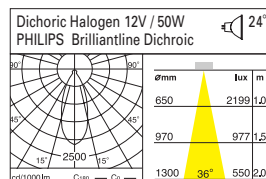
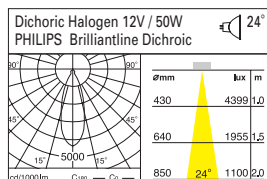


DD-30840 series

| Recessed Down Light | Accent Light |



Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Lamp & Socket	Dichroic Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GZ10 CDM-R mini 20W, 35W _ GX10



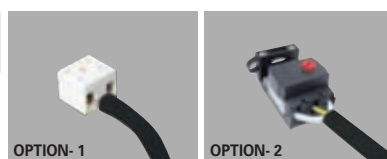
If it is necessary, spring type change is available.

** For Special orders, please make inquiries us.

** As you use CDM-R mini Lamp,

The housing height of luminaire will be different.
Please make inquiries us.

ELECTRIC TERMINAL BLOCK



OPTION- 1

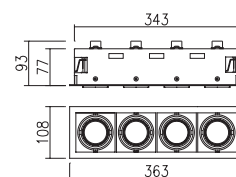
OPTION- 2

INSTALLATION INSTRUCTION
(explanations on page 79)

D type

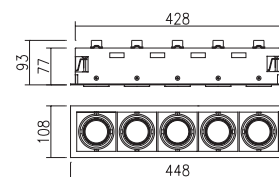


DD-30840



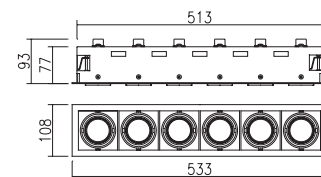
Weight : 1.5kg
 349 x 94mm (13 7/16" x 3 7/16")

DD-30850



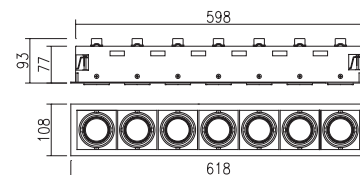
Weight : 1.9kg
 434 x 94mm (17" x 3 7/16")

DD-30860



Weight : 2.4kg
 519 x 94mm (20 7/16" x 3 7/16")

DD-30870



Weight : 3.0kg
 604 x 94mm (23 9/16" x 3 7/16")



Mini Lighting Fixtures type

DD-31110 series



order no.	DD-31110.01 Series	DD-31110.02 Series	DD-31110.03 Series	DD-31110.04 Series	DD-31110.05 Series	DD-31110.06 Series	DD-31110.07 Series	DD-31110.08 Series
lamp type	Halogen-pin / CDM-Tm	CDM-R mini / CMH-MR16 / Dichroic Halogen	Halogen-pin / CDM-Tm	CMH-super mini Halogen-pin / CDM-Tm	CMH-super mini Halogen-pin / CDM-Tm	CMH-super mini Halogen-pin / CDM-Tm	CMH-super mini Halogen-pin / CDM-Tm	CMH-super mini Halogen-pin / CDM-Tm
socket	GY6.35 / PGJ5	GX10 / GX5.3	GY6.35 / PGJ5	GU6.5 / GY6.35 / PGJ5	GU6.5 / GY6.35 / PGJ5	GU6.5 / GY6.35 / PGJ5	GU6.5 / GY6.35 / PGJ5	GU6.5 / GY6.35 / PGJ5
max wattage	100W / 35W	20W / 35W / 50W	100W / 35W	35W / 100W / 35W	35W / 100W / 35W	35W / 100W / 35W	35W / 100W / 35W	35W / 100W / 35W
voltage	12V / 220V	220V / 12V	12V / 220V	220V / 12V / 220V	220V / 12V / 220V	220V / 12V / 220V	220V / 12V / 220V	220V / 12V / 220V
lamp symbol								
page	p.102	p.104	p.106	p.108	p.110	p.112	p.114	p.116



Accessories

Glass Lens	Clear Tempered Glass	Safety Glass
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Glass Lens	Frosted Tempered Glass	Reduce Glare
------------	------------------------	--------------



Glass Lens	Clear Tempered Glass Cap Cover	Safety Glass Reduce Glare
------------	-----------------------------------	------------------------------



Louver	Honeycomb	Reduce Glare
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DD-31110.04 Series, DD-31110.05 Series, DD-31110.06 Series,
DD-31110.07 Series, DD-31110.08 Series

Electric Terminal Block



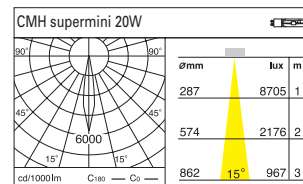
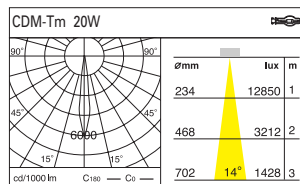
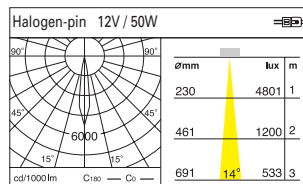
Reflector



Narrow Reflector

High efficiency reflector
Angle : $\angle 10^{\circ} \sim 15^{\circ}$

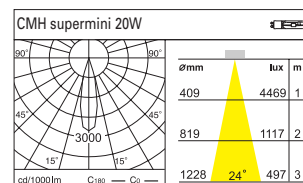
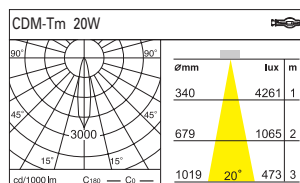
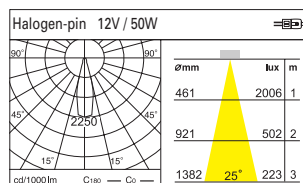
AL. Anodized Specular Silver with Etching



Medium Reflector

High efficiency reflector
Angle : $\angle 20^{\circ} \sim 30^{\circ}$

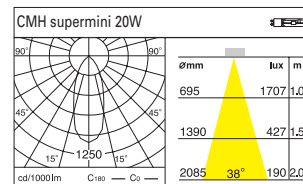
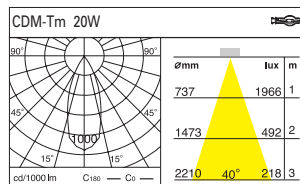
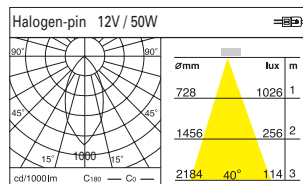
AL. Anodized Specular Silver Square



Wide Reflector

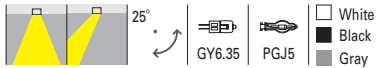
High efficiency reflector
Angle : Over $\angle 40^{\circ}$

AL. Anodized Specular Silver Embossing





DD-31110.01 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	PBT (Black)
Housing	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap)
Lamp & Socket	Halogen -pin 12V/50W, 75W, 100W _ GY6.35 CDM-Tm 20W, 35W _ PGJ5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

REFLECTOR (explanations on page 101)
PHOTOMETRIC DATA (explanations on page 101)

A type : DD-35510.01 Series
D type : DD-31110.01, 31120.01, 31130.01, 31140.01, 31150.01 Series

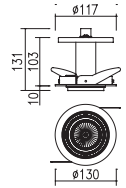
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



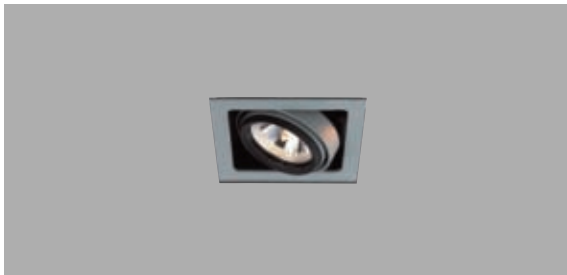
Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



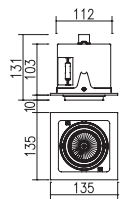
DD-35510.01 Halogen-pin
DD-35511.01 CDM-Tm



 Weight : 0.5kg
 ø 119mm (4 3/5")



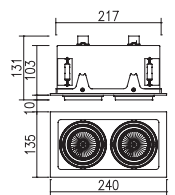
DD-31110.01 Halogen-pin
DD-31111.01 CDM-Tm



 Weight : 0.7kg
 122 x 122mm (4 4/5" x 4 4/5")



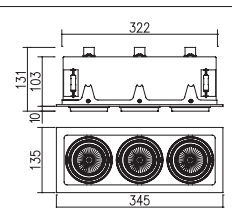
DD-31120.01 Halogen-pin
DD-31121.01 CDM-Tm



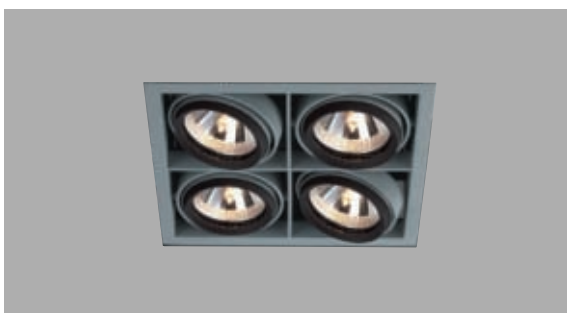
 Weight : 1.2kg
 225 x 122mm (8 9/10" x 4 4/5")



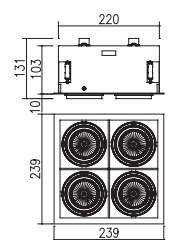
DD-31130.01 Halogen-pin
DD-31131.01 CDM-Tm



 Weight : 1.6kg
 330 x 122mm (13" x 4 4/5")



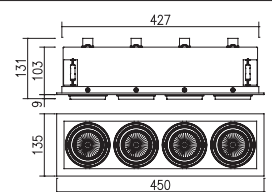
DD-31140.01 Halogen-pin
DD-31141.01 CDM-Tm



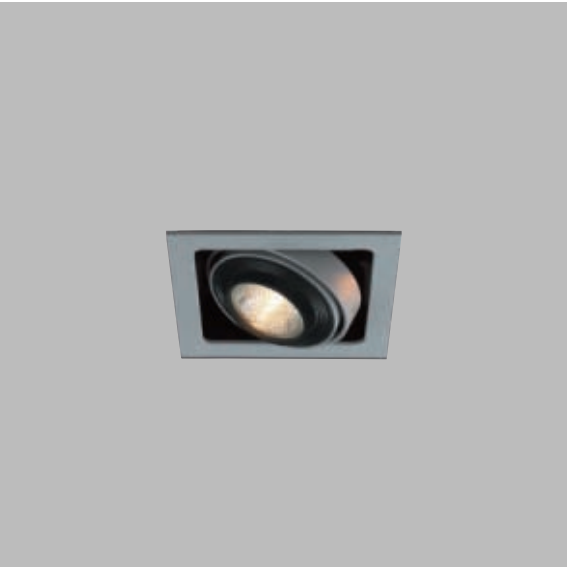
 Weight : 2.4kg
 228 x 228mm (9" x 9")



DD-31150.01 Halogen-pin
DD-31151.01 CDM-Tm



 Weight : 2.0kg
 435 x 122mm (17 1/10" x 4 4/5")

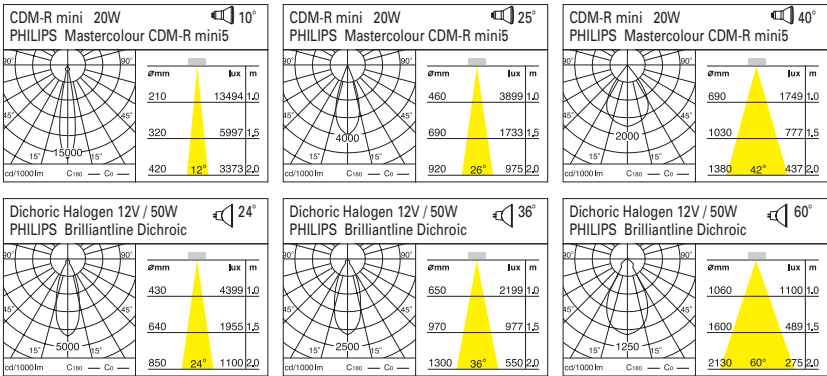


DD-31110.02 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt ∠25°
Mounting Ring	PBT (Black)
Housing	Steel
Lamp & Socket	CDM-R mini 20W, 35W _ GX10 CMH-MR16 20W, 35W _ GX10 Dichroic Halogen 12V / 50W _GX5.3



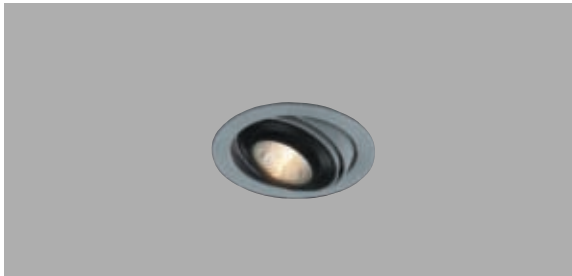
** For Special orders, please make inquires us.

INSTALLATION INSTRUCTION
(explanations on page 79)

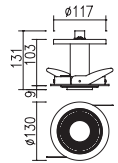
ELECTRIC TERMINAL BLOCK (explanations on page 100)

A type : DD-35510.02 Series
D type : DD-31110.02, 31120.02, 31130.02, 31140.02, 31150.02 Series

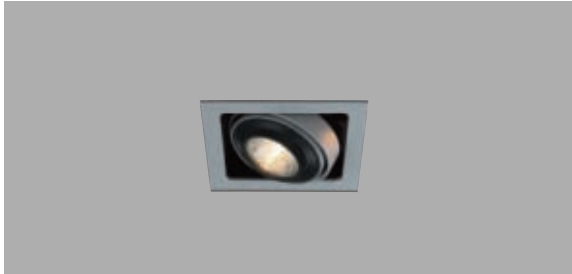
Electric Terminal Block : Option-1, Option-2, Option-3



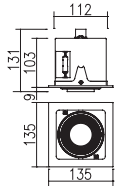
DD-35510.02 CDM-R mini, CMH-MR16
DD-35511.02 Dichroic Halogen



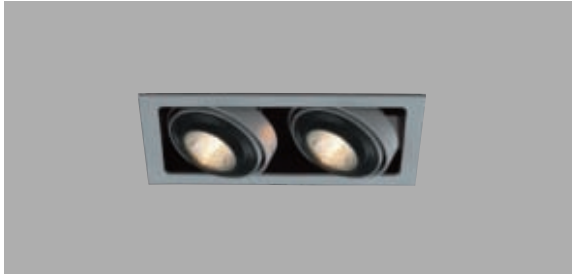
Weight : 0.5kg
Ø 119mm (4 3/5")



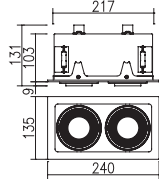
DD-31110.02 CDM-R mini, CMH-MR16
DD-31111.02 Dichroic Halogen



Weight : 0.7kg
122 x 122mm (4 7/8" x 4 7/8")



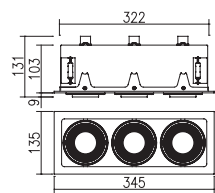
DD-31120.02 CDM-R mini, CMH-MR16
DD-31121.02 Dichroic Halogen



Weight : 1.2kg
225 x 122mm (8 9/10" x 4 7/8")



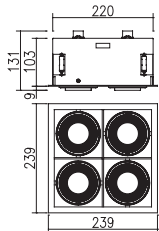
DD-31130.02 CDM-R mini, CMH-MR16
DD-31131.02 Dichroic Halogen



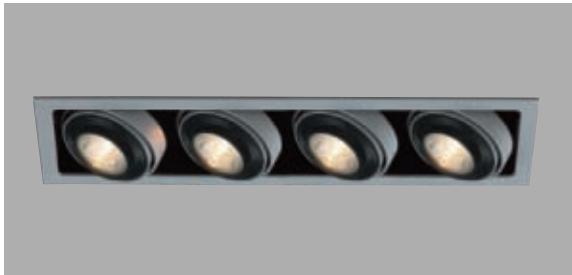
Weight : 1.6kg
330 x 122mm (13" x 4 7/8")



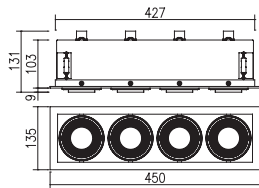
DD-31140.02 CDM-R mini, CMH-MR16
DD-31141.02 Dichroic Halogen



Weight : 2.4kg
228 x 228mm (9" x 9")



DD-31150.02 CDM-R mini, CMH-MR16
DD-31151.02 Dichroic Halogen

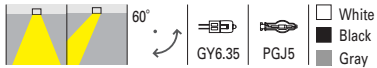


Weight : 2.0kg
435 x 122mm (17 1/10" x 4 7/8")



DD-31110.03 series

I Recessed Down Light | Accent Light |



Trim	AL. Die-Casting
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Rotation $\angle 355^\circ$, Tilt $\angle 60^\circ$
Mounting Ring	PBT (Black)
Housing	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap)
Lamp & Socket	Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-Tm 20W, 35W _ PGJ5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

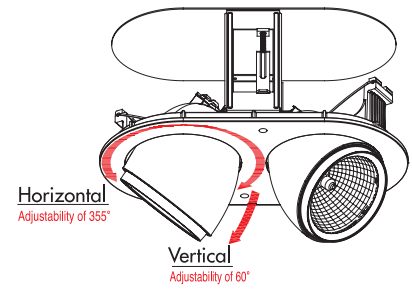
REFLECTOR (explanations on page 101)
PHOTOMERIC DATA (explanations on page 101)

B type : DD-31110.03 Series
D type : DD-31120.03, 31130.03, 31140.03 Series

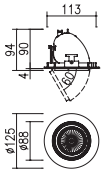
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



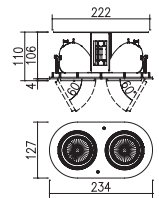
DD-31110.03 Halogen-pin
DD-31111.03 CDM-Tm



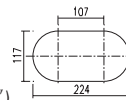
Weight : 0.3kg
Ø 116mm (4 5/8")



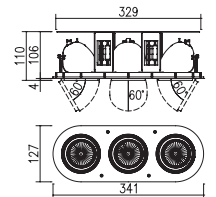
DD-31120.03 Halogen-pin
DD-31121.03 CDM-Tm



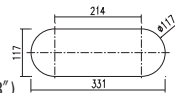
Weight : 1.0kg
Ø 117 x 224mm (4 3/5" x 8 7/8")



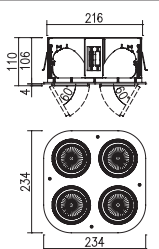
DD-31130.03 Halogen-pin
DD-31131.03 CDM-Tm



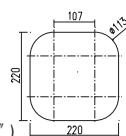
Weight : 1.5kg
Ø 117 x 331mm (4 3/5" x 13")

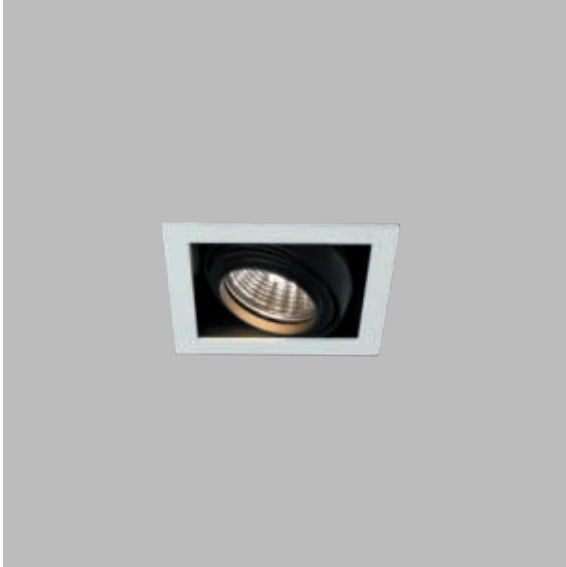


DD-31140.03 Halogen-pin
DD-31141.03 CDM-Tm



Weight : 2.5kg
Ø 113 x 220 x 220 mm (4 1/2" x 8 7/10" x 8 7/10")





DD-31110.04 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Housing	Steel	
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing	
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)	
Lamp & Socket	CMH supermini 20W, 35W _ GU6.5 Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-Tm 20W, 35W _ PGJ5	

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

REFLECTOR (explanations on page 101)
PHOTOMERIC DATA (explanations on page 101)

A type : DD-35510.04 Series
D type : DD-31110.04, 31120.04, 31130.04, 31140.04, 31150.04 Series

Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



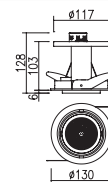
Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



DD-35510.04 CMH supermini

DD-35511.04 Halogen-pin

DD-35512.04 CDM-Tm



Weight : 0.6 kg



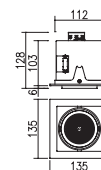
ø 119mm (4 3/5")



DD-31110.04 CMH supermini

DD-31111.04 Halogen-pin

DD-31112.04 CDM-Tm



Weight : 0.8 kg

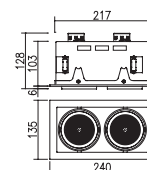
△ / 122 x 122mm (4 4/5" x 4 4/5")



DD-31120.04 CMH supermini

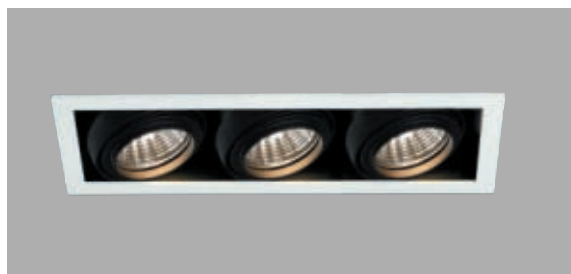
DD-31121.04 Halogen-pin

DD-31122.04 CDM-Tm



Weight : 1.5 kg

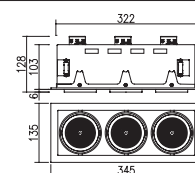
△ / 225 x 122mm (8 9/10" x 4 4/5")



DD-31130.04 CMH supermini

DD-31131.04 Halogen-pin

DD-31132.04 CDM-Tm



Weight : 2.0 kg

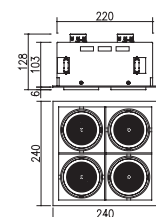
△ / 330 x 122mm (13" x 4 4/5")



DD-31140.04 CMH supermini

DD-31141.04 Halogen-pin

DD-31142.04 CDM-Tm



Weight : 2.5 kg

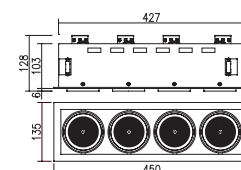
△ / 228 x 228mm (9" x 9")



DD-31150.04 CMH supermini

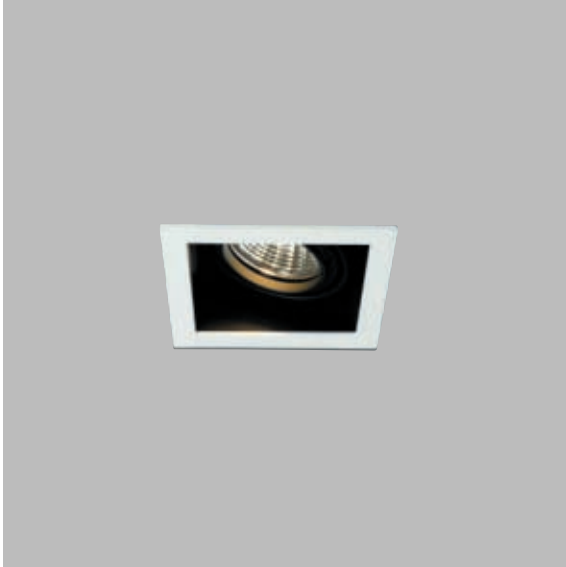
DD-31151.04 Halogen-pin

DD-31152.04 CDM-Tm



Weight : 2.5 kg

△ / 435 x 122mm (17 1/10" x 4 4/5")



DD-31110.05 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting, Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Housing	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver with Etching
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Embossing
Accessory	Glass Lens	_Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap)
	Louver	_Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CMH supermini	20W, 35W _ GU6.5
	Halogen-pin	12V/50W, 75W, 100W _ GY6.35
	CDM-Tm	20W, 35W _ PGJ5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

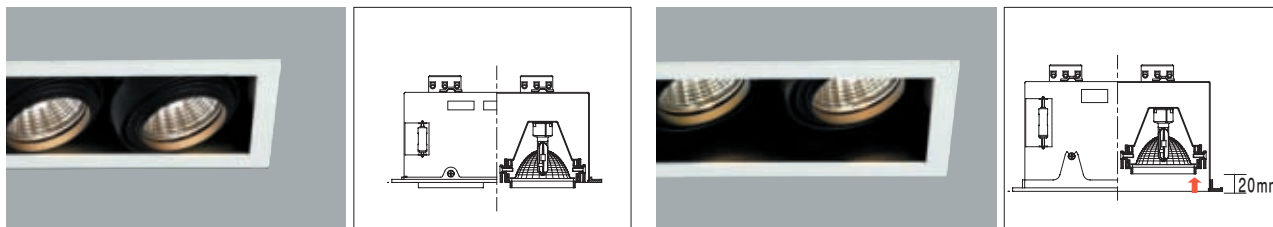
REFLECTOR (explanations on page 101)
PHOTOMERIC DATA (explanations on page 101)

A type : DD-35510.05 Series
D type : DD-31110.05, 31120.05, 31130.05 Series

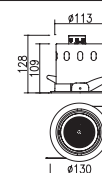
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



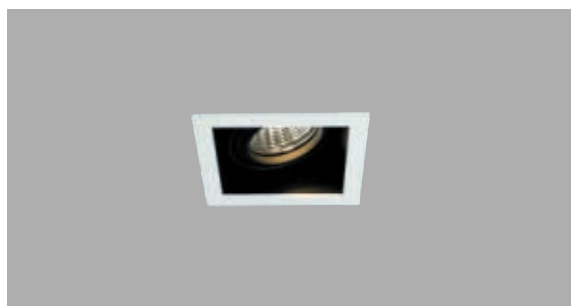
Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



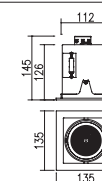
- DD-35510.05 CMH supermini
DD-35511.05 Halogen-pin
DD-35512.05 CDM-Tm



Weight : 0.6 kg
Ø 119mm (4 3/5")



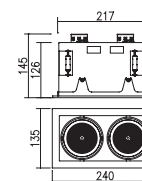
- DD-31110.05 CMH supermini
DD-31111.05 Halogen-pin
DD-31112.05 CDM-Tm



Weight : 0.9 kg
122 x 122mm (4 4/5" x 4 4/5")



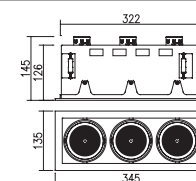
- DD-31120.05 CMH supermini
DD-31121.05 Halogen-pin
DD-31122.05 CDM-Tm



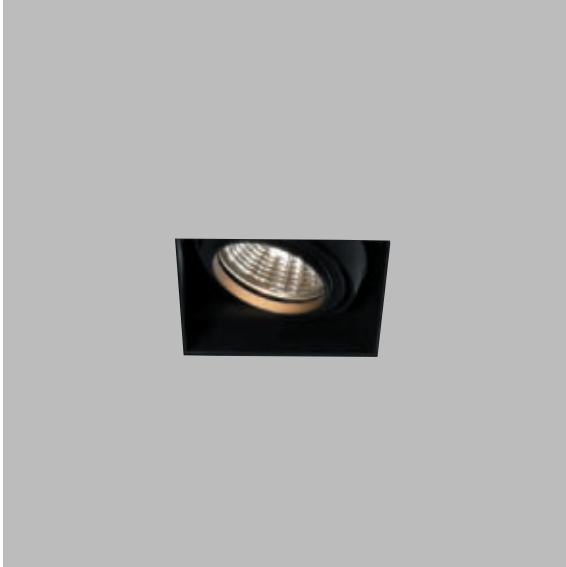
Weight : 1.5 kg
225 x 122mm (8 9/10" x 4 4/5")



- DD-31130.05 CMH supermini
DD-31131.05 Halogen-pin
DD-31132.05 CDM-Tm



Weight : 2.0 kg
330 x 122mm (13" x 4 4/5")



DD-31110.06 series



I Recessed Down Light | Accent Light | Trimless Down Light |

Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel
Trimless Mounting Kit	AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CMH supermini 20W, 35W _ GU6.5 Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-Tm 20W, 35W _ PGJ5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 93)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

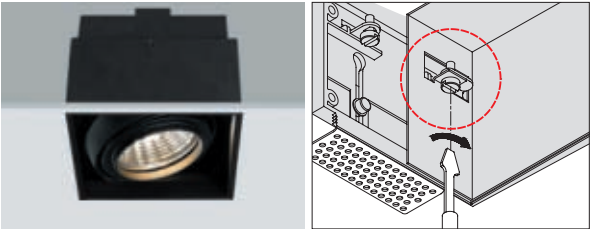
REFLECTOR (explanations on page 101)
PHOTOMERIC DATA (explanations on page 101)

Trimless Installation Instruction

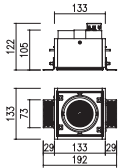
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



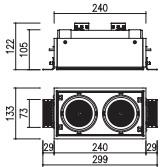
- DD-31110.06 CMH supermini
- DD-31111.06 Halogen-pin
- DD-31112.06 CDM-Tm



Weight : 1.8 kg
137 x 137mm (5 2/5" x 5 2/5")



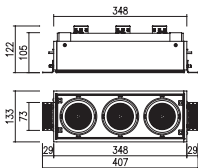
- DD-31120.06 CMH supermini
- DD-31121.06 Halogen-pin
- DD-31122.06 CDM-Tm



Weight : 2.5 kg
244 x 137mm (9 3/5" x 5 2/5")



- DD-31130.06 CMH supermini
- DD-31131.06 Halogen-pin
- DD-31132.06 CDM-Tm



Weight : 3.8 kg
352 x 137mm (13 9/10" x 5 2/5")



DD-31110.07 series



I Surface Mounting Down Light | Accent Light |

Housing	Inner Housing _ Steel, Electrostatic Powder Coating Outer Housing _ AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Gear Box	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver with Etching Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CMH supermini 20W, 35W _ GU6.5 Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-Tm 20W, 35W _ PGJ5

** CAUTION **

In cast of Metal Halide lamp,
Ballast must be installed separately in the ceiling.

ACCESSORIES (explanations on page 100)

ELECTRIC TERMINAL BLOCK (explanations on page 100)

REFLECTOR (explanations on page 101)

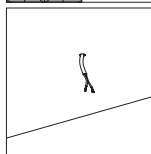
PHOTOMERIC DATA (explanations on page 101)

INSTALLATION INSTRUCTION

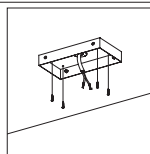
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



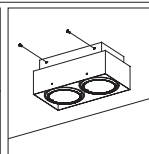
Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



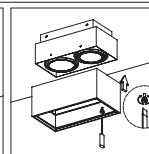
1. Take out building wires through the ceiling.



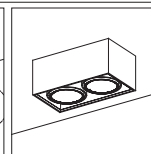
2. Tighten the bracket screws.



3. Wire fixture leads to building wires. Attach the inner housing on the ceiling surface and tighten the screws at the side of the housing.



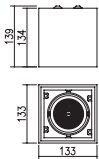
4. Attach the outer housing at the end and tighten the screws inside of the housing



5. Finished.



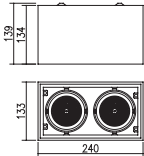
- DD-31110.07 CMH supermini
- DD-31111.07 Halogen-pin
- DD-31112.07 CDM-Tm



 Weight : 1.4 kg



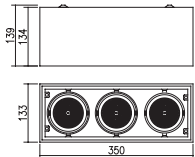
- DD-31120.07 CMH supermini
- DD-31121.07 Halogen-pin
- DD-31122.07 CDM-Tm



 Weight : 2.2 kg



- DD-31130.07 CMH supermini
- DD-31131.07 Halogen-pin
- DD-31132.07 CDM-Tm



 Weight : 3.4 kg



DD-31110.08 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Housing	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver with Etching
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Embossing
Accessory	Glass Lens	_Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap)
	Louver	_Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CMH supermini 20W, 35W	_ GU6.5
	Halogen-pin 12V/50W,75W,100W	_ GY6.35
	CDM-Tm 20W, 35W	_ PGJ5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 100)
ELECTRIC TERMINAL BLOCK (explanations on page 100)

REFLECTOR (explanations on page 101)
PHOTOMERIC DATA (explanations on page 101)

A type

Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

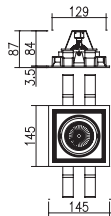


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



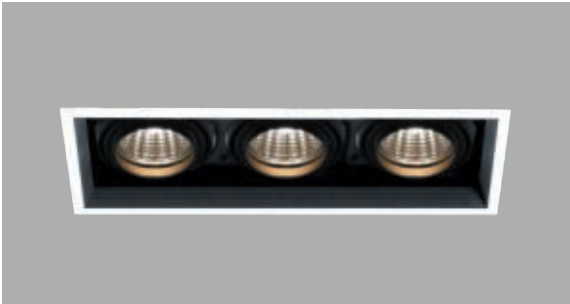
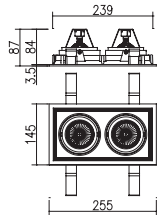
- DD-31110.08 CMH supermini
- DD-31111.08 Halogen-pin
- DD-31112.08 CDM-Tm

Weight : 1.0 kg
135 x 135 mm (5 3/10" x 5 3/10")



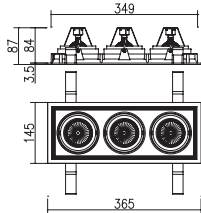
- DD-31120.08 CMH supermini
- DD-31121.08 Halogen-pin
- DD-31122.08 CDM-Tm

Weight : 1.6 kg
242 x 135 mm (9 1/2" x 5 3/10")



- DD-31130.08 CMH supermini
- DD-31131.08 Halogen-pin
- DD-31132.08 CDM-Tm

Weight : 2.0 kg
353 x 135 mm (13 7/10" x 5 3/10")





Metal Halide

DD-31410 series



order no.	DD-31410.01 Series	DD-31410.02 Series	DD-31410.03 Series	DD-31410.04 Series	DD-31410.05 Series	DD-31410.06 Series	DD-31410.07 Series	DD-31410.08 Series	DD-31410.09 Series
lamp type	CDM-TC	CDM-TC	CDM-TC	CDM-TC	CDM-TC	CDM-TC	CPS	CDM-TC	CPS
socket	G8.5	G8.5	G8.5	G8.5	G8.5	G8.5	EU10	G8.5	EU10
max wattage	70W	70W	70W	70W	70W	70W	70W	70W	70W
voltage	220V	220V	220V	220V	220V	220V	220V	220V	220V
lamp symbol									
	↓	↓	↓	↓	↓	↓	↓	↓	↓
page	p. 122	p. 124	p. 126	p. 128	p. 130	p. 132	p. 134	p. 136	p. 138



Accessories

Glass Lens	Clear Tempered Glass	Safety Glass
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Glass Lens	Frosted Tempered Glass	Reduce Glare
------------	------------------------	--------------



Glass Lens	Clear Tempered Glass Cap Cover	Safety Glass Reduce Glare
------------	-----------------------------------	------------------------------

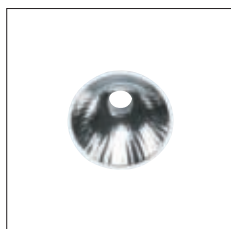


Louver	Honeycomb	Reduce Glare
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Electric Terminal Block



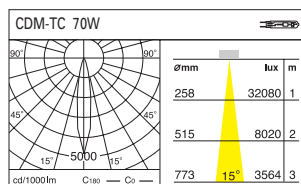
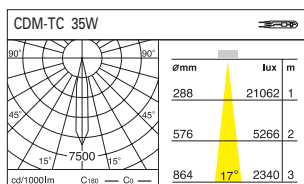
Reflector



Narrow Reflector

High efficiency reflector
Angle : $\angle 10^{\circ} \sim 15^{\circ}$

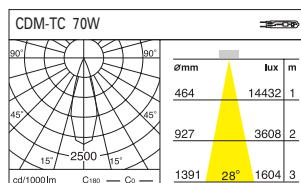
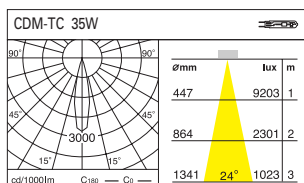
AL. Anodized Specular Silver Square



Medium Reflector

High efficiency reflector
Angle : $\angle 20^{\circ} \sim 30^{\circ}$

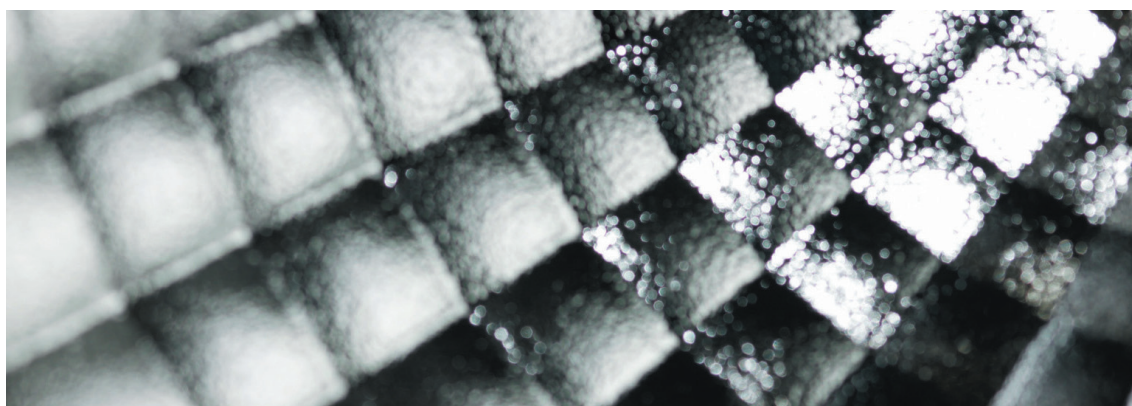
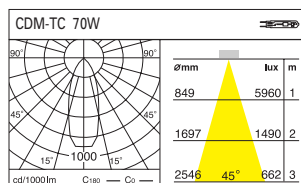
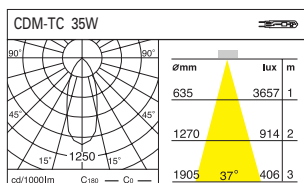
AL. Anodized Specular Silver Square



Wide Reflector

High efficiency reflector
Angle : Over $\angle 40^{\circ}$

AL. Anodized Specular Silver Square with Embossing





DD-31410.01 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 20^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Housing	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver Square
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens	_Clear Tempered Glass
		_Frosted Tempered Glass
		_Clear Tempered Glass (+Lamp Cap)
	Louver	_Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5	

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

REFLECTOR (explanations on page 121)
PHOTOMERIC DATA (explanations on page 121)

D type

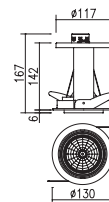
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



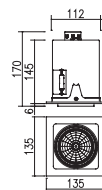
DD-35560.01 CDM-TC



Weight : 0.6 kg
 Ø 119mm (4 3/5")



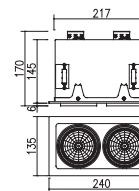
DD-31410.01 CDM-TC



Weight : 1.0 kg
 122 x 122mm (4 4/5" x 4 4/5")



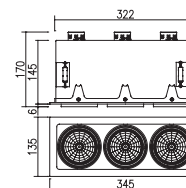
DD-31420.01 CDM-TC



Weight : 1.6 kg
 225 x 122mm (8 9/10" x 4 4/5")



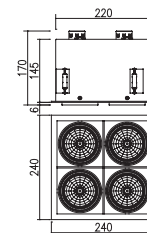
DD-31430.01 CDM-TC



Weight : 2.0 kg
 330 x 122mm (13" x 4 4/5")



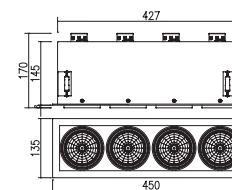
DD-31440.01 CDM-TC



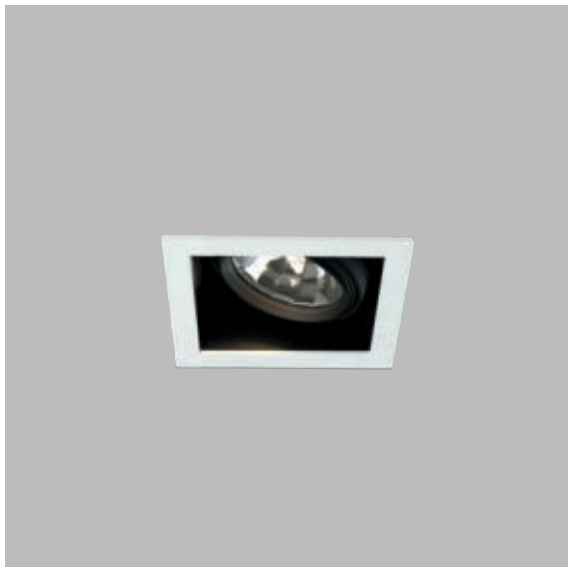
Weight : 3.0 kg
 228 x 228mm (9" x 9")



DD-31450.01 CDM-TC



Weight : 4.0 kg
 435 x 122mm (17 1/10" x 4 4/5")



DD-31410.02 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 20^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

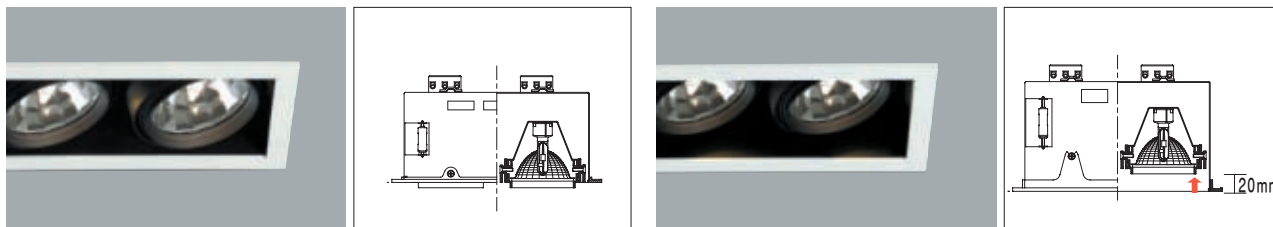
REFLECTOR (explanations on page 121)
PHOTOMERIC DATA (explanations on page 121)

D type

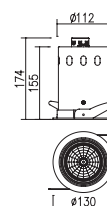
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



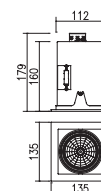
DD-35560.02 CDM-TC



Weight : 0.6 kg
 Ø 119mm (4 3/5")



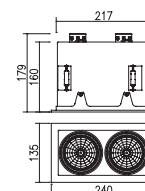
DD-31410.02 CDM-TC



Weight : 0.9 kg
 122 x 122mm (4 4/5" x 4 4/5")



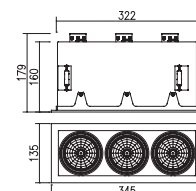
DD-31420.02 CDM-TC



Weight : 1.5 kg
 225 x 122mm (8 9/10" x 4 4/5")



DD-31430.02 CDM-TC



Weight : 2.0 kg
 330 x 122mm (13" x 4 4/5")



DD-31410.03 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

REFLECTOR (explanations on page 121)
PHOTOMERIC DATA (explanations on page 121)

A type

Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

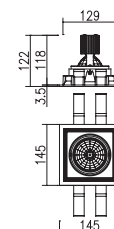


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



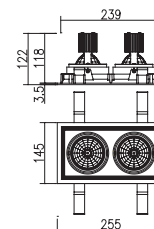
DD-31410.03 CDM-TC

Weight : 1.0 kg
 135 x 135 mm (5 3/10" x 5 3/10")



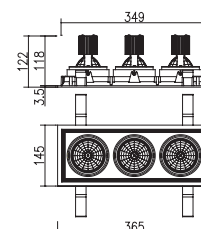
DD-31420.03 CDM-TC

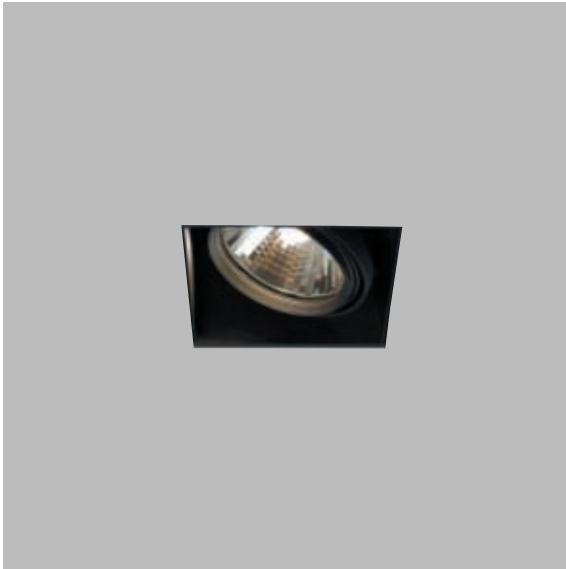
Weight : 1.6 kg
 242 x 135 mm (9 1/2" x 5 3/10")



DD-31430.03 CDM-TC

Weight : 2.0 kg
 353 x 135 mm (13 7/10" x 5 3/10")





DD-31410.04 series

| Recessed Down Light | Accent Light | Trimless Down Light |



Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 20^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel
Trimless Mounting Kit	AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

INSTALLATION INSTRUCTION
(explanations on page 93)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

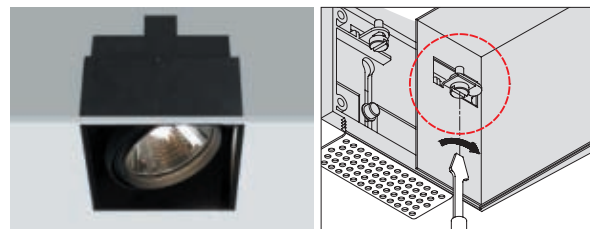
REFLECTOR (explanations on page 121)
PHOTOMIC DATA (explanations on page 121)

Trimless Installation Instruction

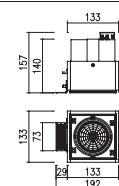
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



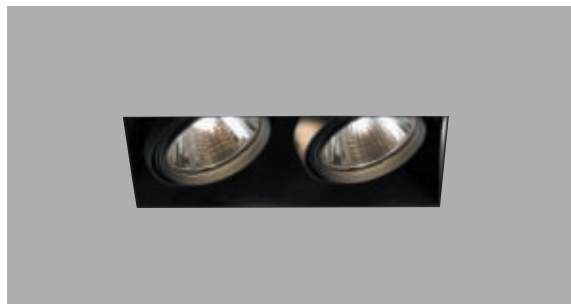
Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



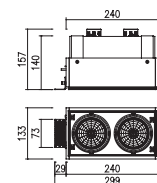
DD-31410.04 CDM-TC



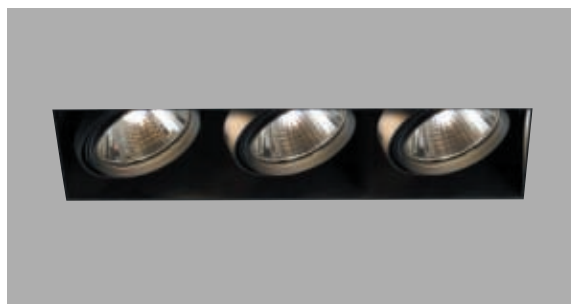
 Weight : 1.8 kg
 137 x 137mm (5 2/5" x 5 2/5")



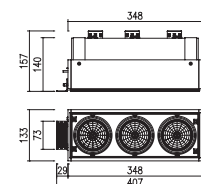
DD-31420.04 CDM-TC



 Weight : 2.5 kg
 244 x 137mm (9 3/5" x 5 2/5")



DD-31430.04 CDM-TC



 Weight : 3.8 kg
 352 x 137mm (13 9/10" x 5 2/5")



DD-31410.05 series



I Surface Mounting Down Light | Accent Light |

Housing	Inner Housing _ Steel, Electrostatic Powder Coating Outer Housing _ AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Gear Box	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

** CAUTION **

In cast of Metal Halide lamp,
Ballast must be installed separately in the ceiling.

ACCESSORIES (explanations on page 120)

ELECTRIC TERMINAL BLOCK (explanations on page 120)

REFLECTOR (explanations on page 121)

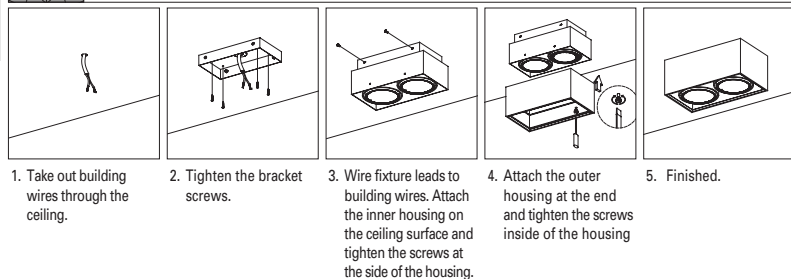
PHOTOMERIC DATA (explanations on page 121)

INSTALLATION INSTRUCTION

Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

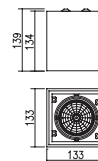


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data





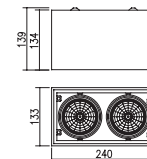
DD-31410.05 CDM-TC



 Weight : 1.5 kg



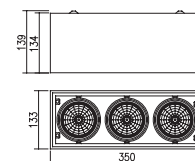
DD-31420.05 CDM-TC



 Weight : 2.4 kg



DD-31430.05 CDM-TC



 Weight : 3.7 kg



DD-31410.06 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Frame	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

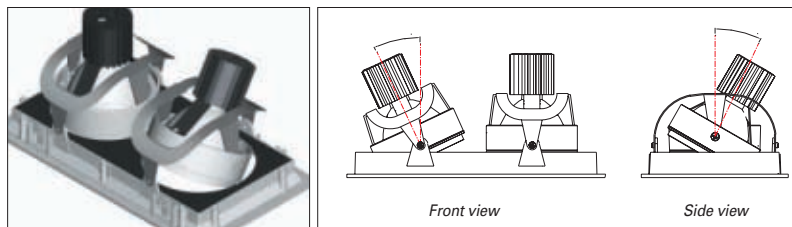
REFLECTOR (explanations on page 121)
PHOTOMERIC DATA (explanations on page 121)

A type

Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

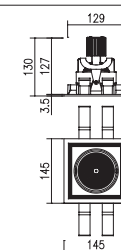


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



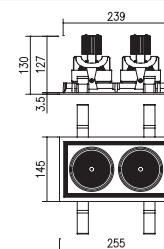
DD-31410.06 CDM-TC

Weight : 1.0 kg
 135 x 135 mm (5 3/10" x 5 3/10")



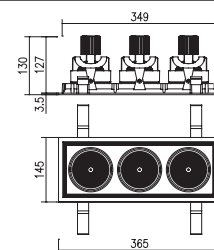
DD-31420.06 CDM-TC

Weight : 1.6 kg
 242 x 135 mm (9 1/2" x 5 3/10")



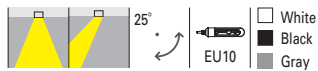
DD-31430.06 CDM-TC

Weight : 2.0 kg
 353 x 135 mm (13 7/10" x 5 3/10")



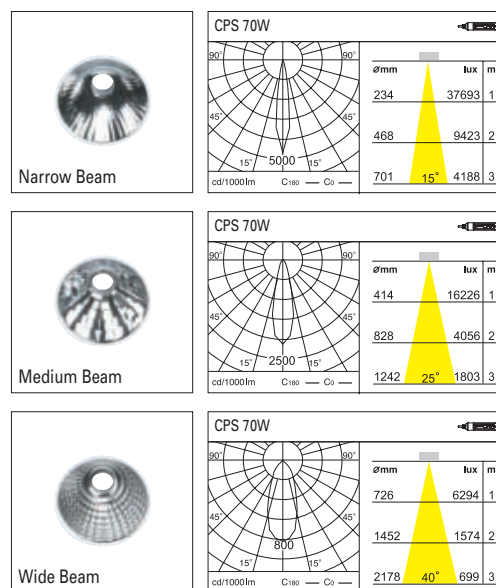


DD-31410.07 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting, Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Frame	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver Square
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Square with Embossing
Lamp & Socket	Cerameta Premier S 35W, 70W	_ EU10
	CDM-CP 35W, 70W	_ EU10

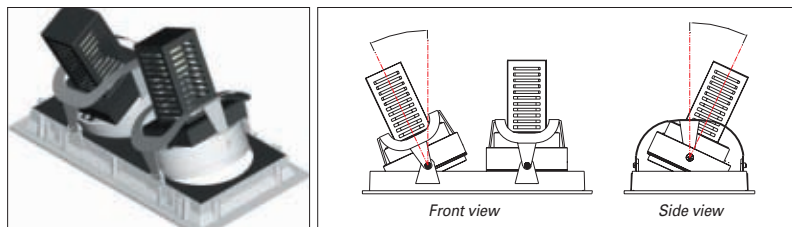


INSTALLATION INSTRUCTION
(explanations on page 79)

A type

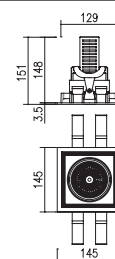
ELECTRIC TERMINAL BLOCK (explanations on page 120)

Electric Terminal Block : Option-1, Option-2, Option-3



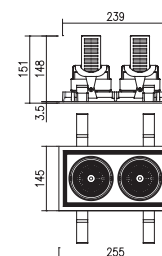
DD-31410.07 CPS, CDM-CP

Weight : 1.0 kg
 135 x 135 mm (5 3/10" x 5 3/10")



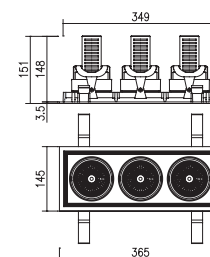
DD-31420.07 CPS, CDM-CP

Weight : 1.6 kg
 242 x 135 mm (9 1/2" x 5 3/10")



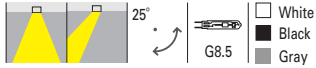
DD-31430.07 CPS, CDM-CP

Weight : 2.0 kg
 353 x 135 mm (13 7/10" x 5 3/10")





DD-31410.08 series



I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Frame	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp Cap) Louver _Aluminium, Electrostatic Powder Coating (Black only)
Lamp & Socket	CDM-TC 35W, 70W _ G8.5

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 120)
ELECTRIC TERMINAL BLOCK (explanations on page 120)

REFLECTOR (explanations on page 121)
PHOTOMERIC DATA (explanations on page 121)

A type

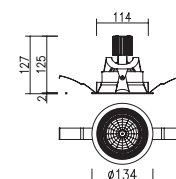
Glass Lens & Louver : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



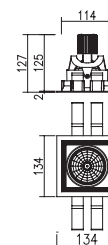
DD-35560.08 CDM-TC



Weight : 0.6 kg
 Ø 120 mm (4 7/10")



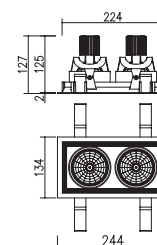
DD-31410.08 CDM-TC



Weight : 0.9 kg
 125 x 125mm (4 9/10" x 4 9/10")



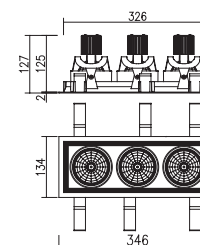
DD-31420.08 CDM-TC



Weight : 1.5 kg
 230 x 125mm (9 1/2" x 4 9/10")



DD-31430.08 CDM-TC



Weight : 2.0 kg
 330 x 125mm (13" x 4 9/10")

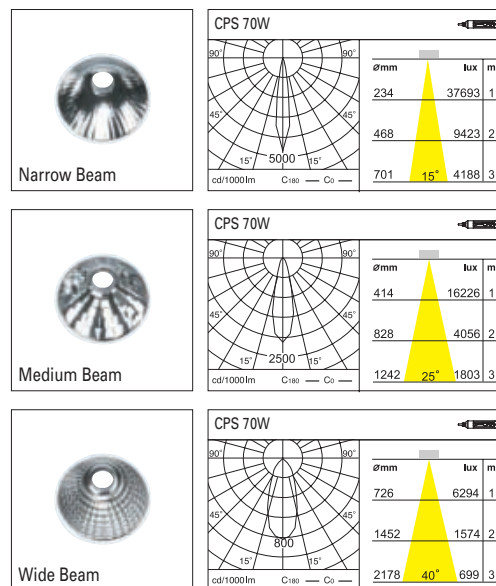


DD-31410.09 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting, Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating	
Frame	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver Square
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Square with Embossing
Lamp & Socket	Cerameta Premier S 35W, 70W	_ EU10
	CDM-CP 35W, 70W	_ EU10



INSTALLATION INSTRUCTION
(explanations on page 79)

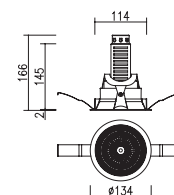
A type

ELECTRIC TERMINAL BLOCK (explanations on page 120)

Electric Terminal Block : Option-1, Option-2, Option-3



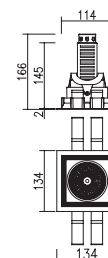
DD-35560.09 CPS, CDM-CP



Weight : 0.6 kg
 Ø 120 mm (4 7/10")



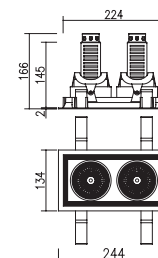
DD-31410.09 CPS, CDM-CP



Weight : 0.9 kg
 125 x 125mm (4 9/10" x 4 9/10")



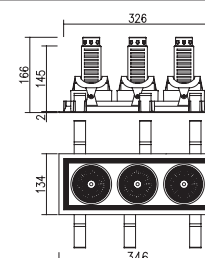
DD-31420.09 CPS, CDM-CP



Weight : 1.5 kg
 230 x 125mm (9 1/2" x 4 9/10")



DD-31430.09 CPS, CDM-CP

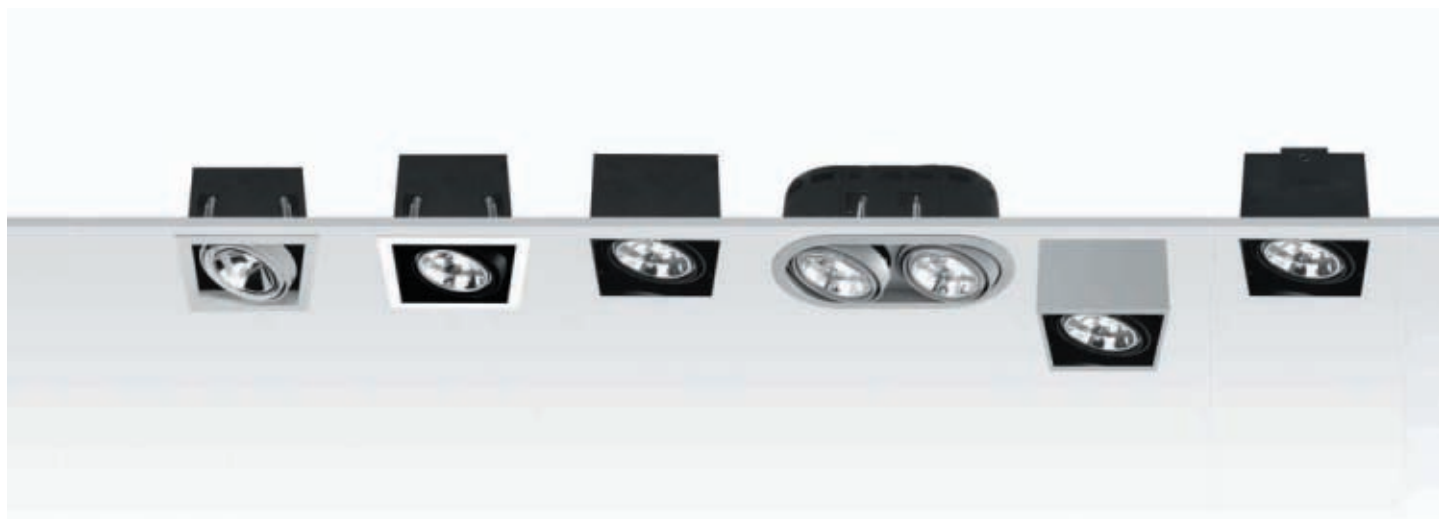


Weight : 2.0 kg
 330 x 125mm (13" x 4 9/10")



AR-111 Halogen, CDM-R111

DD-32010 series



order no.	DD-32010.01 Series	DD-32010.02 Series	DD-32010.03 Series	DD-32010.04 Series	DD-32010.05 Series	DD-32010.06 Series
lamp type	AR-111 / CDM-R111	AR-111 / CDM-R111	AR-111	AR-111 / CDM-R111	AR-111 / CDM-R111	AR-111 / CDM-R111
socket	G53 / GX8.5	G53 / GX8.5	G53	G53 / GX8.5	G53	G53 / GX8.5
max wattage	100W / 70W	100W / 70W	100W	100W / 70W	100W	100W / 70W
voltage	12V / 220V	12V / 220V	12V	12V / 220V	12V	12V / 220V
lamp symbol	 / 	 / 		 / 	 / 	 / 
	↓	↓	↓	↓	↓	↓
page	p.142	p.144	p.146	p.148	p.150	p.152



Adjustable Ring - 01 type



Adjustable Ring - 02 type

DD-32010.01 series

I Recessed Down Light | Accent Light |

- Trim
AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
- Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt ∠25°
- Housing
Steel
- Lamp & Socket
AR-111 12V / 50W, 75W, 100W _ G53
CDM-R111 35W, 70W _ GX8.5





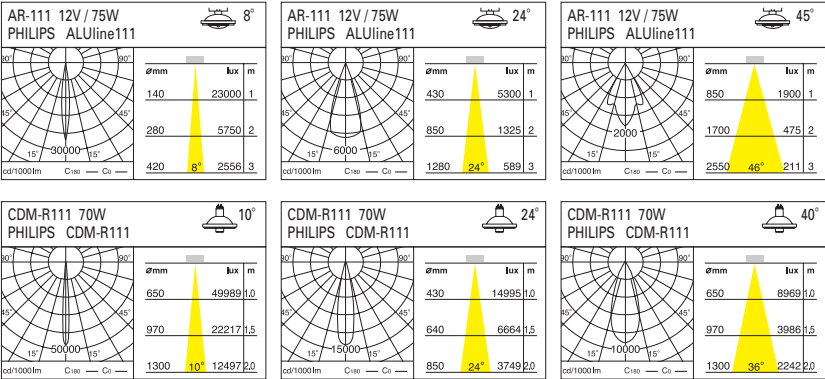




White

Black

Gray



ELECTRIC TERMINAL BLOCK

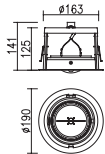


INSTALLATION INSTRUCTION
(explanations on page 79)

D type



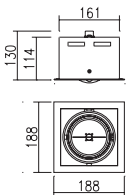
DD-35010 AR-111 Halogen
DD-35011 CDM-R 111



Weight : 1.0kg
Ø 166mm (6 1/2")



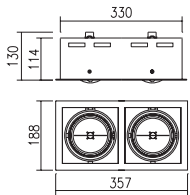
DD-32010.01 AR-111 Halogen
DD-32011.01 CDM-R 111



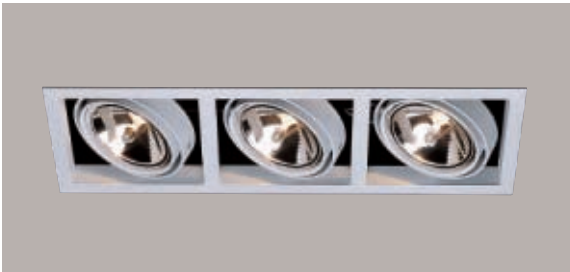
Weight : 1.3kg
167 x 167mm (6 1/2" x 6 1/2")



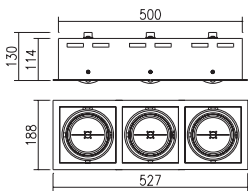
DD-32020.01 AR-111 Halogen
DD-32021.01 CDM-R 111



Weight : 2.4kg
337 x 167mm (13 1/5" x 6 1/2")



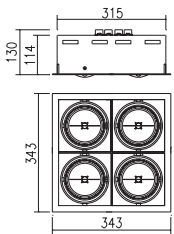
DD-32030.01 AR-111 Halogen
DD-32031.01 CDM-R 111



Weight : 3.0kg
506 x 167mm (19 9/10" x 6 1/2")



DD-32040.01 AR-111 Halogen
DD-32041.01 CDM-R 111



Weight : 3.5kg
321 x 321mm (12 3/5" x 12 3/5")



Adjustable Ring - 01 type

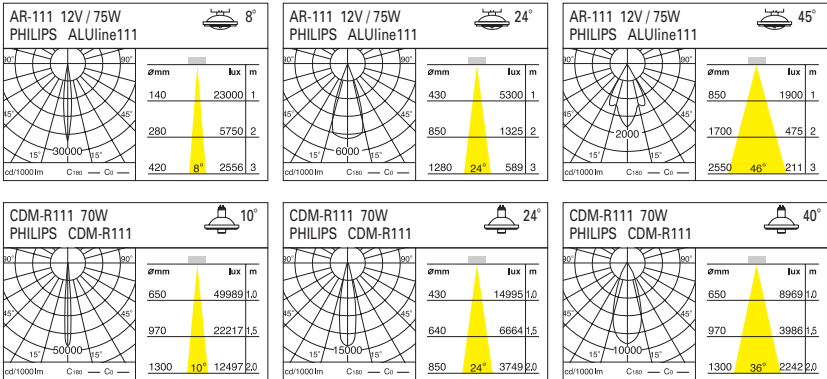


Adjustable Ring - 02 type

DD-32010.02 series

| Recessed Down Light | Accent Light |

- Trim
AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
- Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
- Housing
Steel
- Lamp & Socket
AR-111 12V / 50W, 75W, 100W _ G53
CDM-R111 35W, 70W _ GX8.5

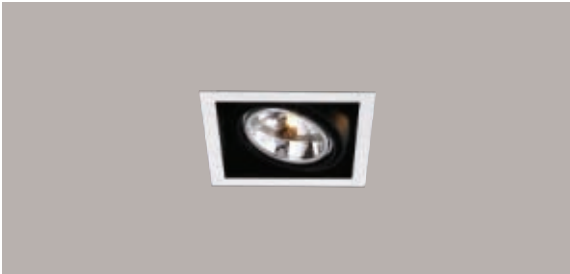


ELECTRIC TERMINAL BLOCK

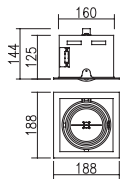


INSTALLATION INSTRUCTION
(explanations on page 79)

D type



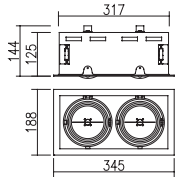
DD-32010.02 AR-111 Halogen
DD-32011.02 CDM-R 111



Weight : 1.3kg
167 x 167mm (6 1/2" x 6 1/2")



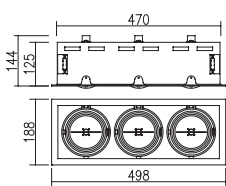
DD-32020.02 AR-111 Halogen
DD-32021.02 CDM-R 111



Weight : 2.4kg
324 x 167mm (12 7/10" x 6 1/2")



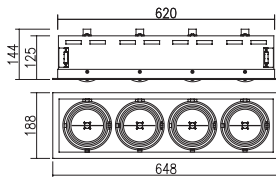
DD-32030.02 AR-111 Halogen
DD-32031.02 CDM-R 111



Weight : 3.0kg
475 x 167mm (18 7/10" x 6 1/2")



DD-32050.02 AR-111 Halogen
DD-32051.02 CDM-R 111



Weight : 3.5kg
625 x 167mm (24 3/5" x 6 1/2")



Adjustable Ring - 01 type



Adjustable Ring - 02 type

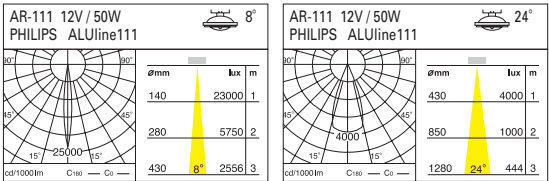
DD-32010.03 series

Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

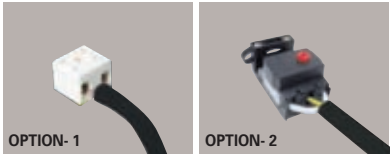
Housing
Steel

Lamp & Socket
AR-111 12V/50W, 75W, 100W _ G53

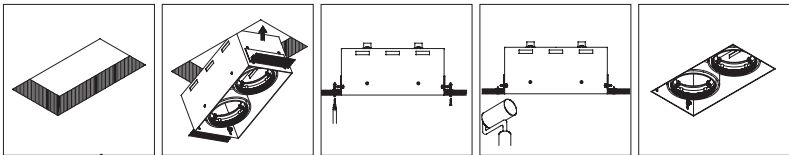
| Recessed Down Light | Accent Light |

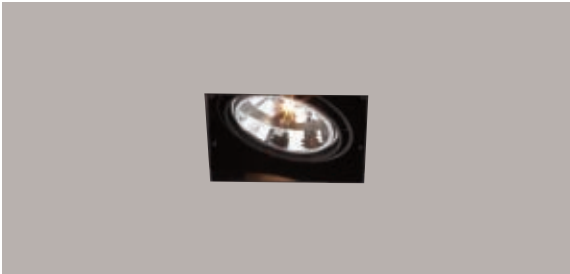


ELECTRIC TERMINAL BLOCK

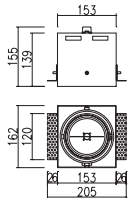


INSTALLATION INSTRUCTION

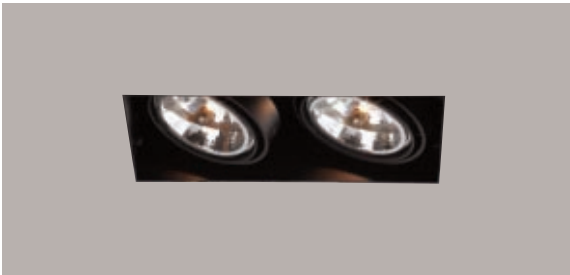




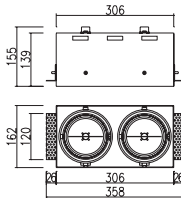
DD-32010.03 AR-111 Halogen



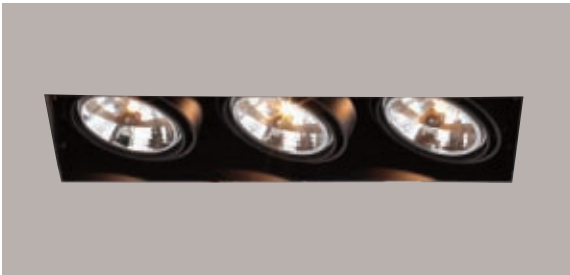
Weight : 2.0kg
154 x 163mm (6 1/10" x 6 2/5")



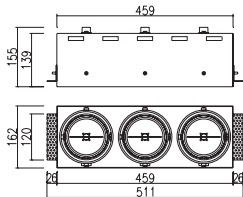
DD-32020.03 AR-111 Halogen



Weight : 3.0kg
307 x 163mm (12 1/10" x 6 2/5")



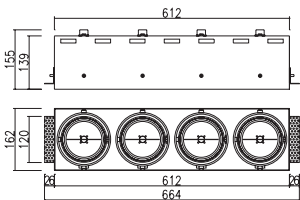
DD-32030.03 AR-111 Halogen



Weight : 4.0kg
460 x 163mm (18 1/10" x 6 2/5")



DD-32050.03 AR-111 Halogen



Weight : 5.0kg
613 x 163mm (24 1/10" x 6 2/5")



Adjustable Ring - 01 type



Adjustable Ring - 02 type

DD-32010.04 series

Trim
AL. Die-Casting, Electrostatic Powder Coating

Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

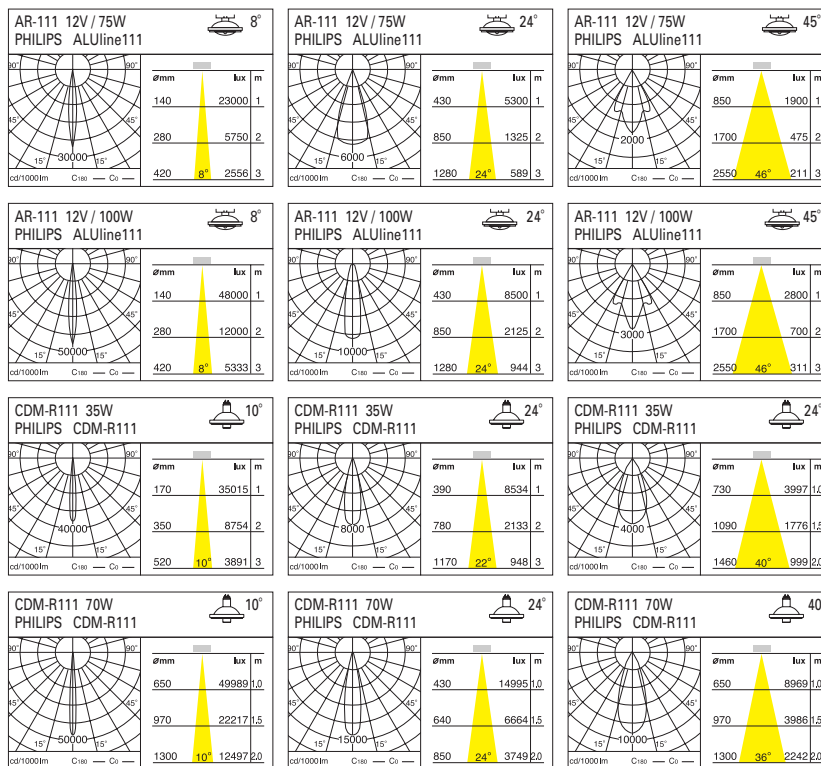
Housing Cover
Steel

Housing
Steel

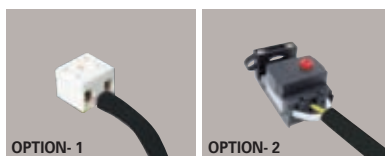
Lamp & Socket

AR-111 12V/50W, 75W, 100W _ G53
CDM-R111 35W, 70W _ GX8.5

I Recessed Down Light | Accent Light I



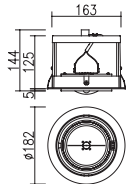
ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)

D type



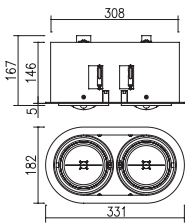
DD-32010.04 AR-111 Halogen
DD-32011.04 CDM-R 111



 Weight : 1.0kg
 $\varnothing$ 166mm (6 1/2")



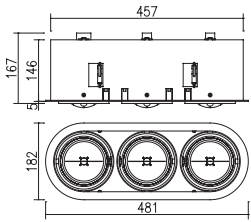
DD-32020.04 AR-111 Halogen
DD-32021.04 CDM-R 111



 Weight : 2.3kg
 $\varnothing$ 166 x 313mm (6 1/2" x 12 3/10")



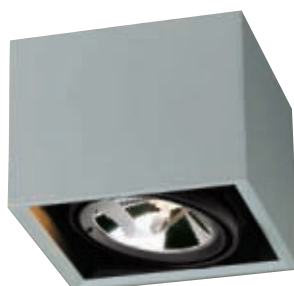
DD-32030.04 AR-111 Halogen
DD-32031.04 CDM-R 111



 Weight : 3.2kg
 $\varnothing$ 166 x 463mm (6 1/2" x 18 1/5")



Adjustable Ring - 01 type



Adjustable Ring - 02 type

DD-32010.05 series

| Surface Mounting Down Light | Accent Light |

Housing

Inner Housing _ Steel, Electrostatic Powder Coating
Outer Housing _ AL. Extrude, Electrostatic Powder Coating

Adjustable Ring

AL. Die-Casting, Electrostatic Powder Coating

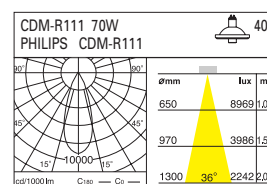
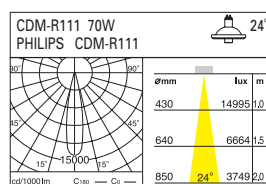
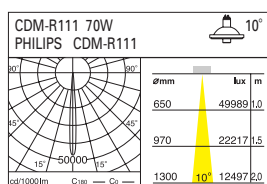
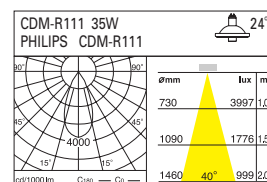
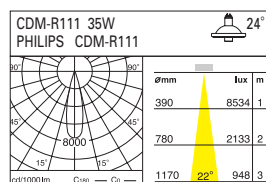
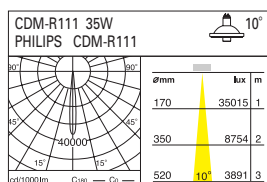
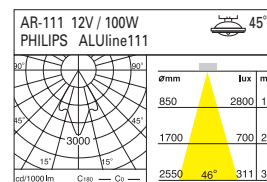
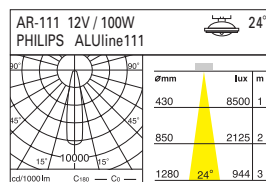
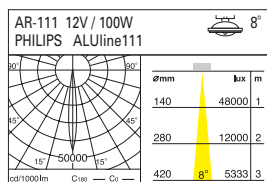
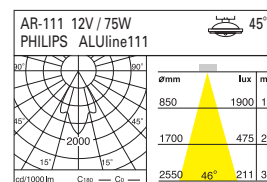
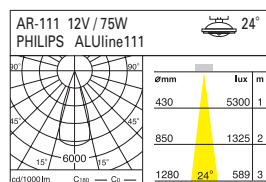
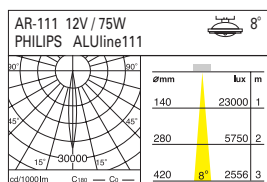
Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

Gear Box

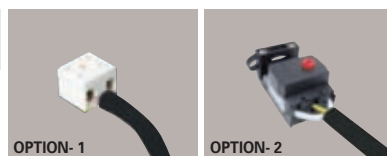
Steel

Lamp & Socket

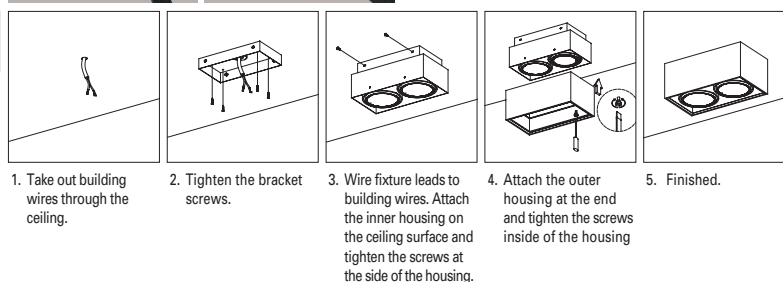
AR-111 12V/50W, 75W, 100W _ G53
CDM-R111 35W, 70W _ GX8.5



ELECTRIC TERMINAL BLOCK

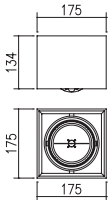


INSTALLATION INSTRUCTION





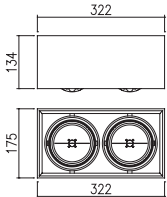
DD-32010.05 AR-111 Halogen
DD-32011.05 CDM-R 111



 Weight : 1.0 kg



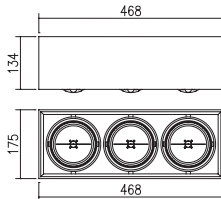
DD-32020.05 AR-111 Halogen
DD-32021.05 CDM-R 111



 Weight : 2.2 kg

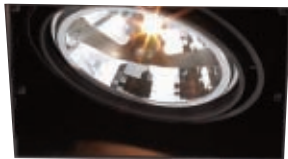


DD-32030.05 AR-111 Halogen
DD-32031.05 CDM-R 111

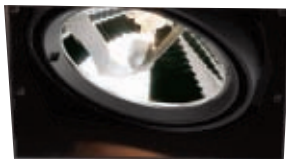


 Weight : 2.8 kg

SPECIAL DOWNLIGHTS | AR-111 HALOGEN, CDM-R111



Adjustable Ring - 01 type



Adjustable Ring - 02 type

DD-32010.06 series

Adjustable Ring

AL. Die-Casting, Electrostatic Powder Coating

Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

Housing

Steel

Trimless Mounting Kit

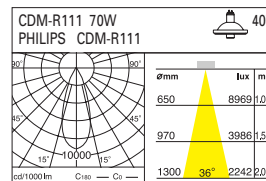
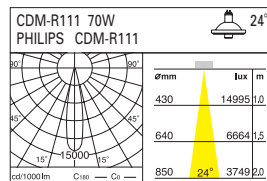
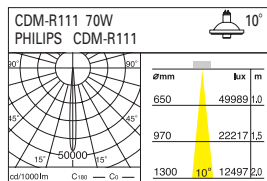
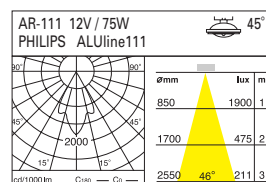
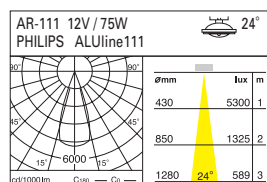
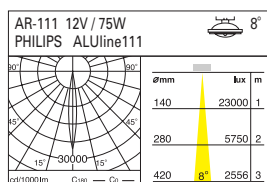
AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating

Lamp & Socket

AR-111 12V/50W, 75W, 100W _ G53

CDM-R111 35W, 70W _ GX8.5

| Recessed Down Light | Accent Light | Trimless Down Light |



ELECTRIC TERMINAL BLOCK



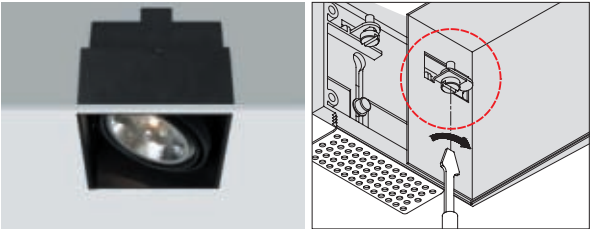
OPTION- 1



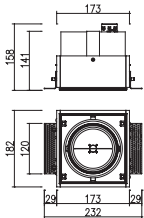
OPTION- 2

INSTALLATION INSTRUCTION
(explanations on page 79)

Trimless Installation Instruction



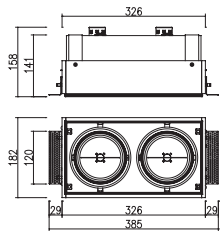
DD-32010.06 AR-111 Halogen
DD-32011.06 CDM-R 111



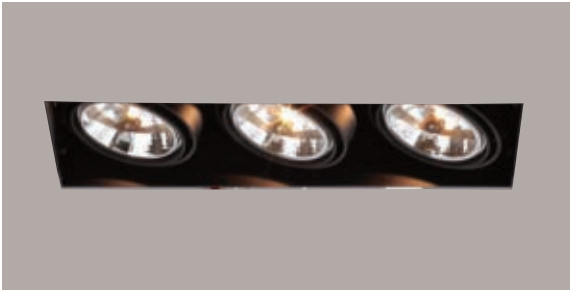
 Weight : 3.0 kg
 177 x 186mm (7" x 7 3/10")



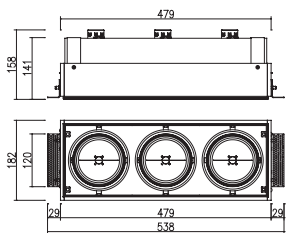
DD-32020.06 AR-111 Halogen
DD-32021.06 CDM-R 111



 Weight : 3.8 kg
 330 x 186mm (13" x 7 3/10")



DD-32030.06 AR-111 Halogen
DD-32031.06 CDM-R 111



 Weight : 4.5 kg
 483 x 186mm (19" x 7 3/10")





DD-35110 series

| Recessed Down Light | Accent Light |

- Trim
AL. Die-Casting, Electrostatic Powder Coating
- Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt ∠25°
- Mounting Ring
AL. Die-Casting, Electrostatic Powder Coating
- Housing
Steel
- Lamp & Socket
AR-111 12V/50W, 75W, 100W _ G53
CDM-R111 35W, 70W _ GX8.5



25°



☐ White

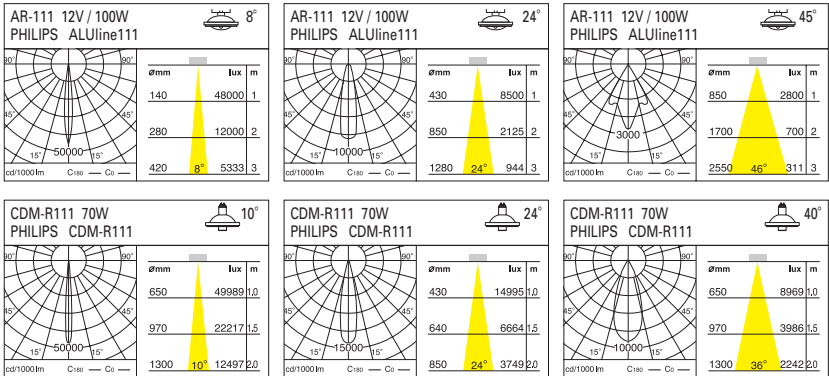
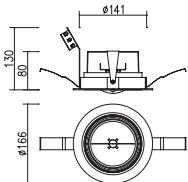
☐ Black

☐ Gray



- DD-35110 AR-111 Halogen
- DD-35111 CDM-R 111

Ø 150 mm (6 ")



ELECTRIC TERMINAL BLOCK



INSTALLATION INSTRUCTION
(explanations on page 79)

A type



PAR-30 Halogen, CDM-R PAR-30

DD-32060 series



order no.	DD-32060.01 Series	DD-32060.02 Series	DD-32060.03 Series
lamp type	PAR-30 Halogen / CDM-R PAR-30	PAR-30 Halogen / CDM-R PAR-30	PAR-30 Halogen / CDM-R PAR-30
socket	E-27	E-27	E-27
max wattage	100W / 70W	100W / 70W	100W / 70W
voltage	220V	220V	220V
lamp symbol	 / 	 / 	 / 
	↓	↓	↓
page	p.158	p.160	p.162



DD-32060.01 series

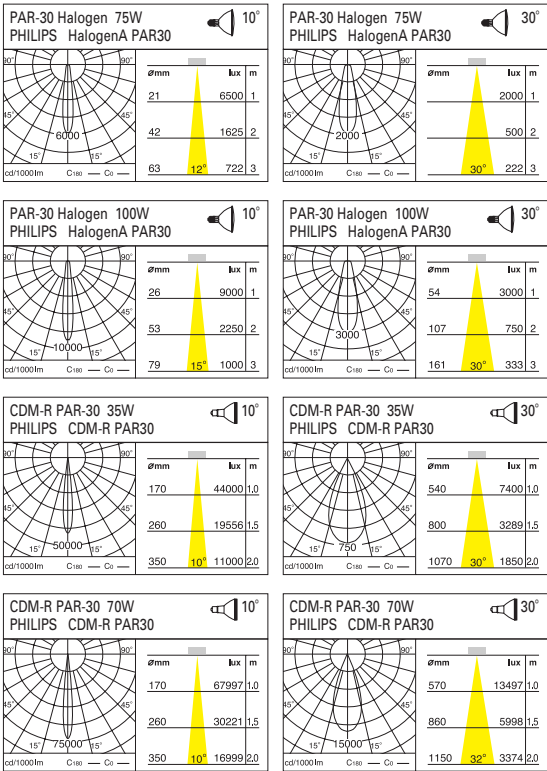
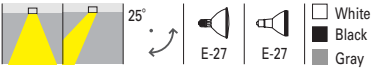
I Recessed Down Light | Accent Light |

Trim
AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating

Adjustable Ring
AL. Die-Casting, Electrostatic Powder Coating
Adjustable Angle : Both Ring Tilt $\angle 25^{\circ}$

Housing
Steel

Lamp & Socket
PAR-30 220V/ 75W,100W _ E-27
CDM-R PAR-30 35W, 70W _ E-27



** For Special orders, please make inquiries us.

ELECTRIC TERMINAL BLOCK



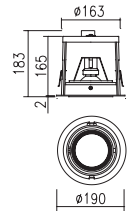
INSTALLATION INSTRUCTION
(explanations on page 89)

D type



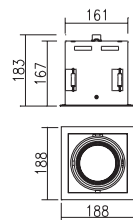
DD-35020 PAR-30 Halogen
DD-35021 CDM-R PAR-30

Weight : 0.9kg
Ø 166mm (6 1/2")



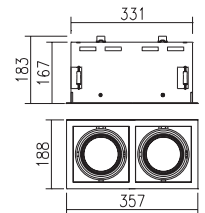
DD-32060.01 PAR-30 Halogen
DD-32061.01 CDM-R PAR-30

Weight : 1.6kg
167 x 167mm (6 1/2" x 6 1/2")



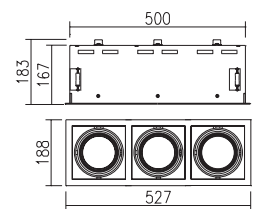
DD-32070.01 PAR-30 Halogen
DD-32071.01 CDM-R PAR-30

Weight : 2.8kg
337 x 167mm (13 1/5" x 6 1/2")



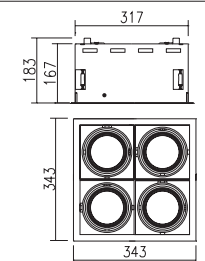
DD-32080.01 PAR-30 Halogen
DD-32081.01 CDM-R PAR-30

Weight : 3.5kg
506 x 167mm (19 9/10" x 6 1/2")



DD-32090.01 PAR-30 Halogen
DD-32091.01 CDM-R PAR-30

Weight : 4.2kg
321 x 321mm (12 3/5" x 12 3/5")

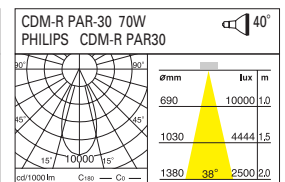




| Recessed Down Light | Accent Light |


 25°
 
 E-27
 
 E-27

	White
	Black
	Gray



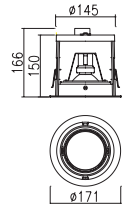
OPTION- 1

OPTION- 2

D type



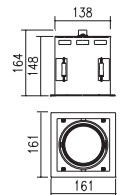
DD-35040 PAR-30 Halogen
DD-35041 CDM-R PAR-30



Weight : 0.7kg
Ø 155mm (6 1/10")



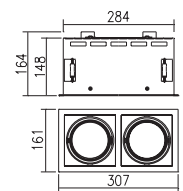
DD-32060.02 PAR-30 Halogen
DD-32061.02 CDM-R PAR-30



Weight : 1.2kg
144 x 144mm (5 7/10" x 5 7/10")



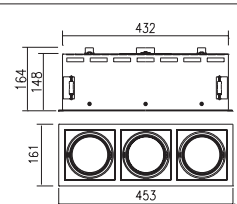
DD-32070.02 PAR-30 Halogen
DD-32071.02 CDM-R PAR-30



Weight : 2.2kg
290 x 144mm (11 2/5" x 5 7/10")



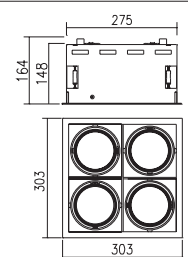
DD-32080.02 PAR-30 Halogen
DD-32081.02 CDM-R PAR-30



Weight : 3.0kg
438 x 144mm (17 1/5" x 5 7/10")



DD-32090.02 PAR-30 Halogen
DD-32091.02 CDM-R PAR-30



Weight : 3.8kg
280 x 280mm (11" x 11")



DD-32060.03 series

| Recessed Down Light | Accent Light |

Trim

AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating

Adjustable Ring

AL. Die-Casting, Electrostatic Powder Coating

Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

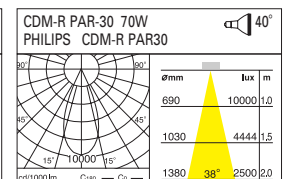
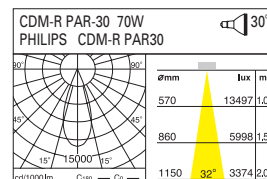
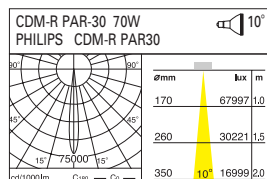
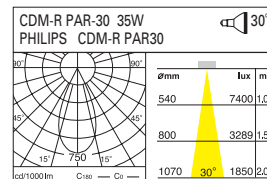
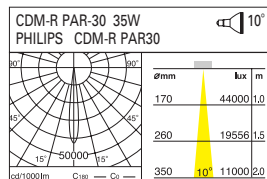
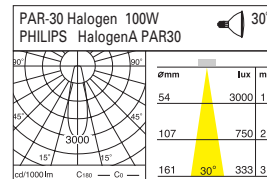
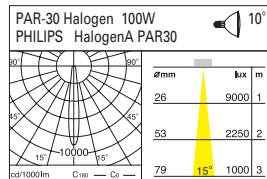
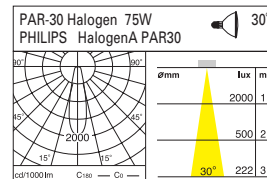
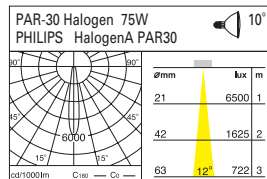
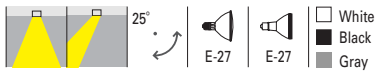
Housing

Steel

Lamp & Socket

PAR-30 220V/ 75W, 100W _ E-27

CDM-R PAR-30 35W, 70W _ E-27



** For Special orders, please make inquiries us.

ELECTRIC TERMINAL BLOCK



OPTION- 1



OPTION- 2

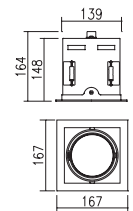
INSTALLATION INSTRUCTION
(explanations on page 89)

D type



DD-32060.03 PAR-30 Halogen

DD-32061.03 CDM-R PAR-30

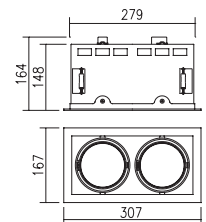


Weight : 1.5kg

 144 x 144mm (5 ⁷/₁₀" x 5 ⁷/₁₀")


DD-32070.03 PAR-30 Halogen

DD-32071.03 CDM-R PAR-30

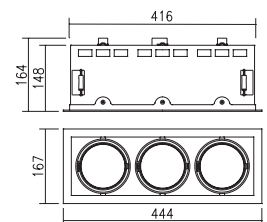


Weight : 2.5kg

 286 x 144mm (11 ¹/₅" x 5 ⁷/₁₀")


DD-32080.03 PAR-30 Halogen

DD-32081.03 CDM-R PAR-30

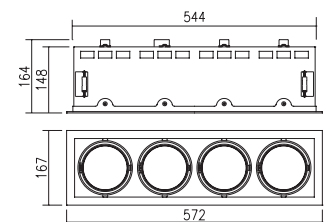


Weight : 3.3kg

 423 x 144mm (16 ³/₅" x 5 ⁷/₁₀")


DD-32100.03 PAR-30 Halogen

DD-32101.03 CDM-R PAR-30



Weight : 4.1kg

 551 x 144mm (21 ⁷/₁₀" x 5 ⁷/₁₀")



METAL HALIDE LAMP

DD-32110 series



order no.	DD-32110.01 Series	DD-32110.02 Series	DD-32110.03 Series	DD-32110.05 Series
lamp type	CDM-T, HCI-T / HQI-T	CDM-T, HCI-T / HQI-T	CDM-T, HCI-T / HQI-T	CDM-T, HCI-T / HQI-T
socket	G12	G12	G12	G12
max wattage	150W	150W	150W	150W
voltage	220V	220V	220V	220V
lamp symbol	 / 	 / 	 / 	 / 
	↓	↓	↓	↓
page	p.168	p.170	p.172	p.174

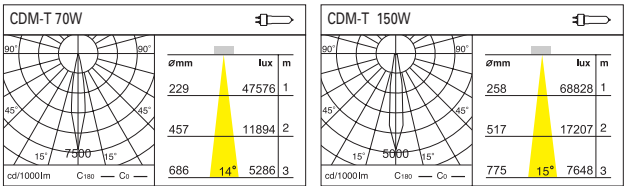


Adjustable Ring - 01 type

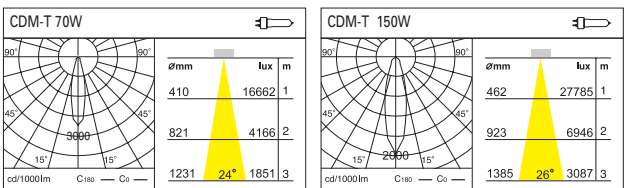
* Standard Adjustable Ring - Glass Installation to spring
 * 4 Kinds of beam angle reflectors

Reflector

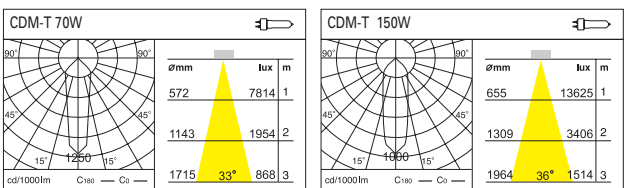
Narrow Reflector



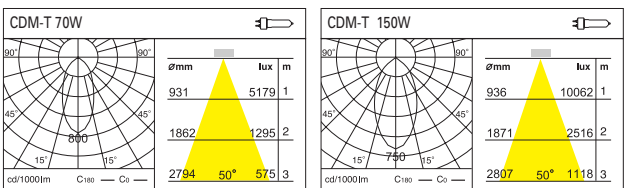
Medium Reflector -1



Medium Reflector -2



Wide Reflector



Accessories



Glass Lens
 - Clear Tempered
 - Safety Glass



Glass Lens
 - Frosted Tempered
 - Reduce Glare



Glass Lens
 - Clear Glass + Cap Cover
 - Safety Glass, Reduce Glare



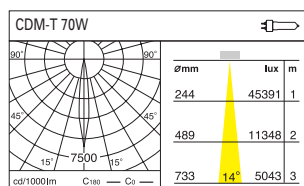
Adjustable Ring - 02 type

* New Adjustable Ring - Replaceable reflector system
 * 3 Kinds of beam angle reflectors

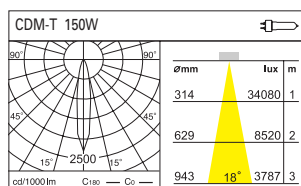
Reflector



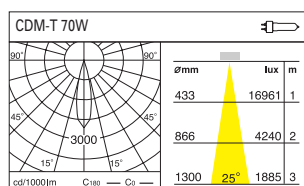
Narrow Reflector

High efficiency reflector $\angle 10^{\circ} \sim 15^{\circ}$ 

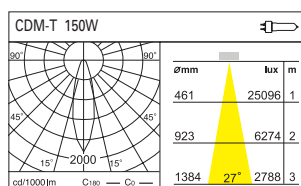
AL. Anodized Specular Silver Square



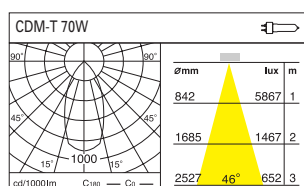
Medium Reflector

High efficiency reflector $\angle 20^{\circ} \sim 30^{\circ}$ 

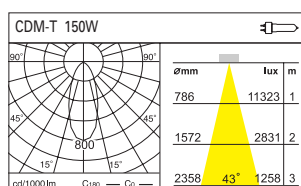
AL. Anodized Specular Silver Square



Wide Reflector

High efficiency reflector Over $\angle 40^{\circ}$ 

AL. Anodized Specular Silver Square with Embossing



Electric Terminal Block



OPTION-1



OPTION-2



OPTION-3

SPECIAL DOWNLIGHTS | METAL HALIDE



Adjustable Ring - 01 type



Adjustable Ring - 02 type



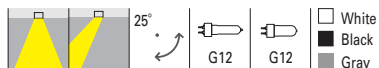
* Standard Adjustable Ring - Glass Installation to spring
* 4 Kinkds of beam angle reflectors



* New Adjustable Ring - Replaceable reflector system
* 3 Kinkds of beam angle reflectors

DD-32110.01 series

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	Adjustable Ring - A (Standard Type) Narrow Reflector _AL. Anodized Specular Silver Valley Medium Reflector 1 _AL. Anodized Specular Silver Square Medium Reflector 2 _AL. Anodized Specular Silver Square with Embossing Wide Reflector _AL. Anodized Specular Silver Square with Etching Adjustable Ring - B (Order Base) Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp cap)
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _ G12 HQL-T 70W, 150W _ G12



INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

I Recessed Down Light | Accent Light |



D type

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

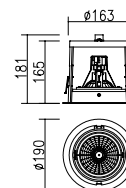


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



DD-35030 CDM-T, HCI-T

DD-35031 HQI-T

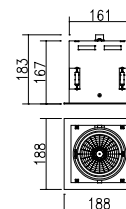


Weight : 0.5kg
 Ø 166mm (6 1/2")



DD-32110.01 CDM-T, HCI-T

DD-32111.01 HQI-T

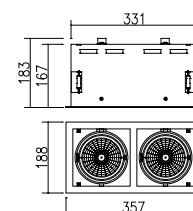


Weight : 1.7kg
 167 x 167mm (6 1/2" x 6 1/2")



DD-32120.01 CDM-T, HCI-T

DD-32121.01 HQI-T

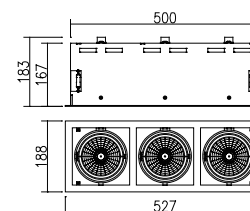


Weight : 3.0kg
 337 x 167mm (13 1/5" x 6 1/2")



DD-32130.01 CDM-T, HCI-T

DD-32131.01 HQI-T

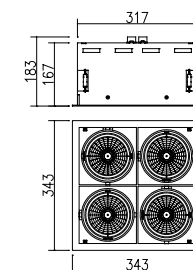


Weight : 3.7kg
 506 x 167mm (19 9/10" x 6 1/2")



DD-32140.01 CDM-T, HCI-T

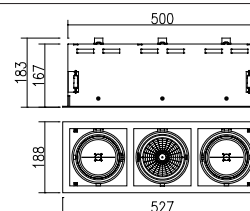
DD-32141.01 HQI-T



Weight : 4.5kg
 321 x 321mm (12 3/5" x 12 3/5")

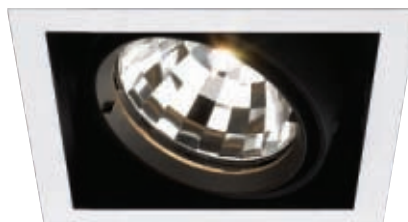
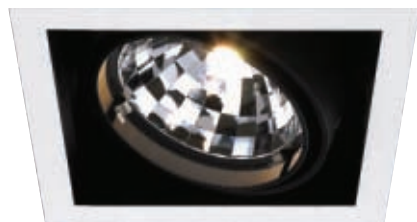


DD-32160.01 CDM-T, HCI-T, HQI-T, AR-111 Halogen



Weight : 3.5kg
 506 x 167mm (19 9/10" x 6 1/2")

SPECIAL DOWNLIGHTS | METAL HALIDE



Adjustable Ring - 01 type



Adjustable Ring - 02 type



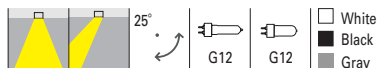
* Standard Adjustable Ring - Glass Installation to spring
* 4 Kinkds of beam angle reflectors



* New Adjustable Ring - Replaceable reflector system
* 3 Kinkds of beam angle reflectors

DD-32110.02 series

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	Adjustable Ring - A (Standard Type) Narrow Reflector _AL. Anodized Specular Silver Valley Medium Reflector 1 _AL. Anodized Specular Silver Square Medium Reflector 2 _AL. Anodized Specular Silver Square with Embossing Wide Reflector _AL. Anodized Specular Silver Square with Etching Adjustable Ring - B (Order Base) Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp cap)
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _G12 HQL-T 70W, 150W _G12



INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

I Recessed Down Light | Accent Light I

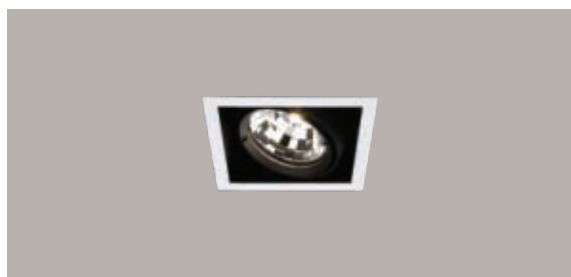


D type

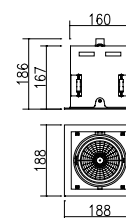
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



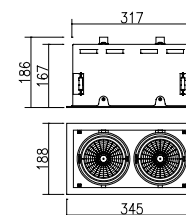
DD-32110.02 CDM-T, HCI-T
DD-32111.02 HQI-T



Weight : 1.7kg
167 x 167mm (6 1/2" x 6 1/2")



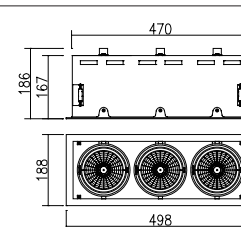
DD-32120.02 CDM-T, HCI-T
DD-32121.02 HQI-T



Weight : 2.8kg
324 x 167mm (12 7/10" x 6 1/2")



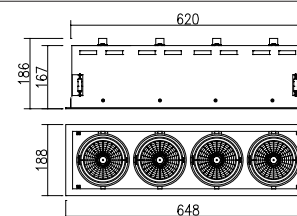
DD-32130.02 CDM-T, HCI-T
DD-32131.02 HQI-T



Weight : 3.5kg
475 x 167mm (18 7/10" x 6 1/2")



DD-32150.02 CDM-T, HCI-T
DD-32151.02 HQI-T



Weight : 4.3kg
625 x 167mm (24 3/5" x 6 1/2")

SPECIAL DOWNLIGHTS | METAL HALIDE



Adjustable Ring - 01 type



Adjustable Ring - 02 type



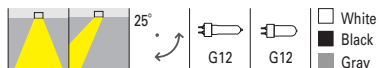
* Standard Adjustable Ring - Glass Installation to spring
* 4 Kinds of beam angle reflectors



* New Adjustable Ring - Replaceable reflector system
* 3 Kinds of beam angle reflectors

DD-32110.03 series

Trim	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	Adjustable Ring - A (Standard Type) Narrow Reflector _AL. Anodized Specular Silver Valley Medium Reflector 1 _AL. Anodized Specular Silver Square Medium Reflector 2 _AL. Anodized Specular Silver Square with Embossing Wide Reflector _AL. Anodized Specular Silver Square with Etching Adjustable Ring - B (Order Base) Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp cap)
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _G12 HQL-T 70W, 150W _G12



INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

I Recessed Down Light | Accent Light I



D type

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

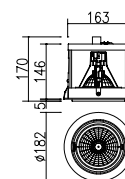


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



DD-32110.03 CDM-T, HCI-T

DD-32111.03 HQI-T

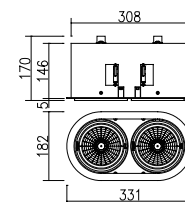


Weight : 1.0kg
 Ø 166mm (6 1/2")

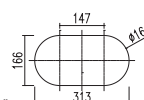


DD-32120.03 CDM-T, HCI-T

DD-32121.03 HQI-T

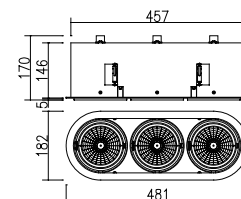


Weight : 2.6kg
 Ø 166 x 313mm (6 1/2" x 12 3/10")

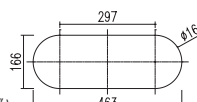


DD-32130.03 CDM-T, HCI-T

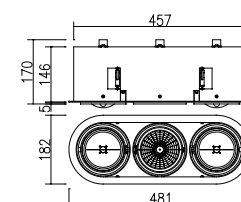
DD-32131.03 HQI-T



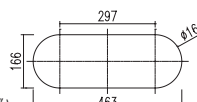
Weight : 3.8kg
 Ø 166 x 463mm (6 1/2" x 18 1/5")



DD-32160.03 CDM-T, HCI-T, HQI-T, AR-111 Halogen



Weight : 3.5kg
 Ø 166 x 463mm (6 1/2" x 18 1/5")



SPECIAL DOWNLIGHTS | METAL HALIDE



Adjustable Ring - 01 type



Adjustable Ring - 02 type



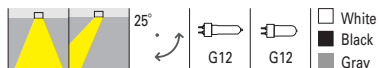
* Standard Adjustable Ring - Glass Installation to spring
* 4 Kinkds of beam angle reflectors



* New Adjustable Ring - Replaceable reflector system
* 3 Kinkds of beam angle reflectors

DD-32110.05 series

Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Trimless Mounting Kit	AL. Die-Cating, Electrostatic Powder Coating
Reflector	Adjustable Ring - A (Standard Type) Narrow Reflector _AL. Anodized Specular Silver Valley Medium Reflector 1 _AL. Anodized Specular Silver Square Medium Reflector 2 _AL. Anodized Specular Silver Square with Embossing Wide Reflector _AL. Anodized Specular Silver Square with Etching Adjustable Ring - B (Order Base) Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp cap)
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _G12 HQL-T 70W, 150W _G12



INSTALLATION INSTRUCTION

(explanations on page 93)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

I Recessed Down Light I Accent Light I Trimless Down Light I

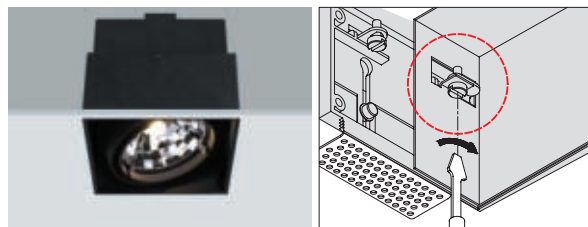


Trimless Installation Instruction

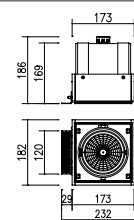
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



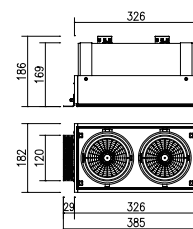
DD-32110.05 CDM-T, HCI-T
DD-32111.05 HQL-T



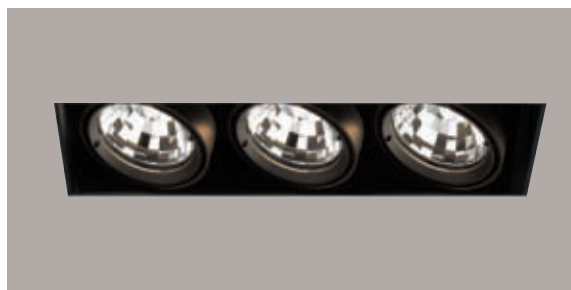
 Weight : 4.0 kg
 / 177 x 186mm (7" x 7 3/10")



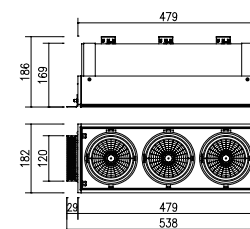
DD-32120.05 CDM-T, HCI-T
DD-32121.05 HQL-T



 Weight : 4.7 kg
 / 330 x 186mm (13" x 7 3/10")



DD-32130.05 CDM-T, HCI-T
DD-32131.05 HQL-T



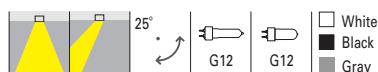
 Weight : 5.5 kg
 / 483 x 186mm (19" x 7 3/10")





DD-35130 series

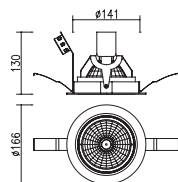
I Recessed Down Light | Accent Light |



DD-35130 CDM-T, HCI-T

DD-35131 HQI-T

Ø 150 mm (6")



Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Only Adjustable Ring - B Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _Clear Tempered Glass _Frosted Tempered Glass _Clear Tempered Glass (+Lamp cap)
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _G12 HQI-T 70W, 150W _G12

INSTALLATION INSTRUCTION
(explanations on page 79)

A type

ACCESSORIES (explanations on page 166)
ELECTRIC TERMINAL BLOCK (explanations on page 167)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)
Electric Terminal Block : Option-1, Option-2, Option-3

REFLECTOR (explanations on page 167)
PHOTOMERIC DATA (explanations on page 167)

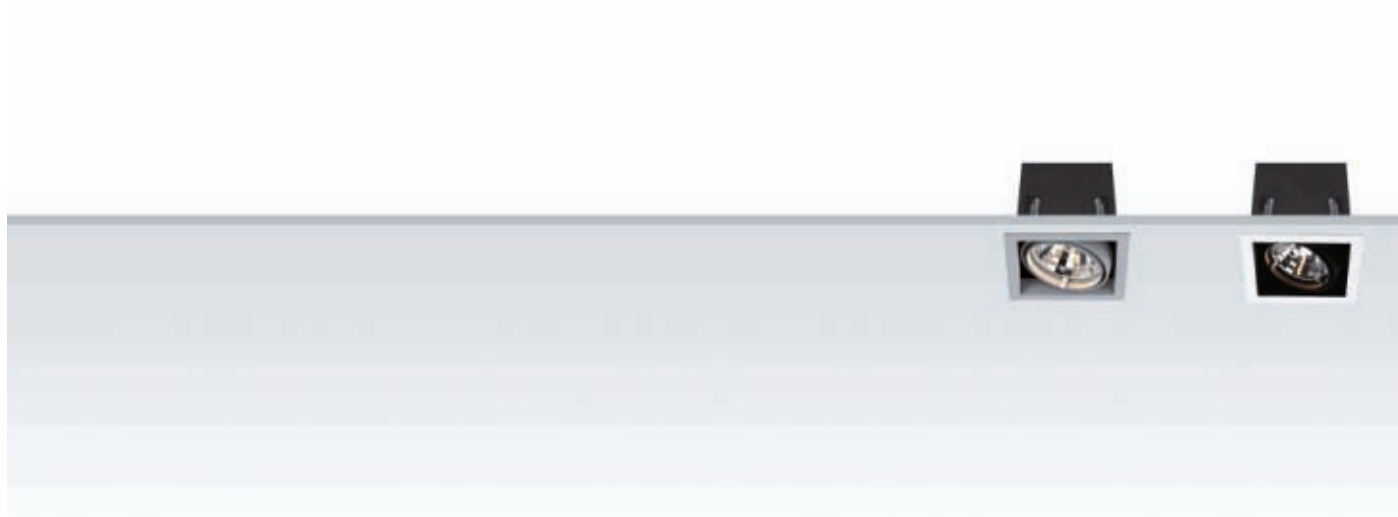


Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



CDM-TC, Halogen-pin

DD-32260 series



order no.	DD-32260.01 Series	DD-32260.02 Series
lamp type	CDM-TC / Halogen-pin	CDM-TC / Halogen-pin
socket	G8.5 / GY6.35	G8.5 / GY6.35
max wattage	70W / 100W	70W / 100W
voltage	220V / 12V	220V / 12V
lamp symbol	 / 	 / 
	↓	↓
page	p.182	p.184



Accessories

Glass Lens	Clear Tempered Glass	Safety Glass
Glass Lens	Frosted Tempered Glass	Reduce Glare

Electric Terminal Block



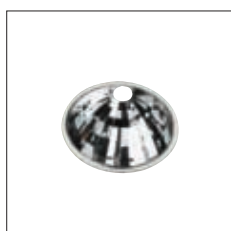
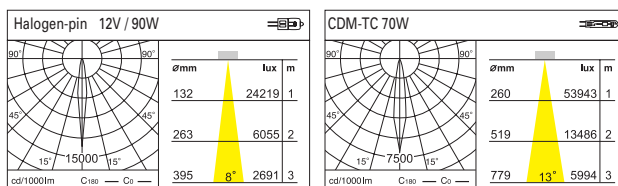
Reflector



Narrow Reflector

High efficiency reflector
Angle : $\angle 10^{\circ} \sim 15^{\circ}$

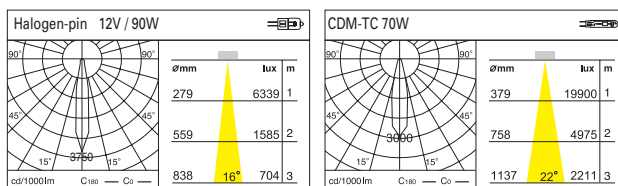
AL. Anodized Specular Silver Valley



Medium Reflector

High efficiency reflector
Angle : $\angle 20^{\circ} \sim 25^{\circ}$

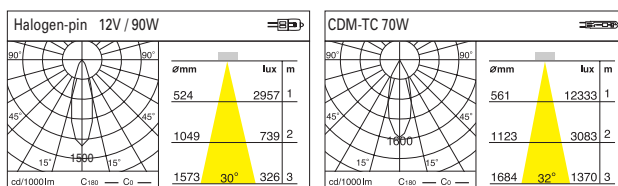
AL. Anodized Specular Silver Square



Wide Reflector

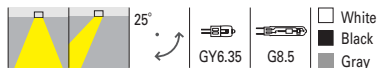
High efficiency reflector
Angle : Over $\angle 30^{\circ}$

AL. Anodized Specular Silver Embossing with Etching





DD-32260.01 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing with Etching
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass
Lamp & Socket	Halogen -pin 12V/50W, 75W, 100W _ GY6.35 CDM-TC 35W, 70W _ G8.5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 180)
ELECTRIC TERMINAL BLOCK (explanations on page 180)

REFLECTOR (explanations on page 181)
PHOTOMERIC DATA (explanations on page 181)

D type

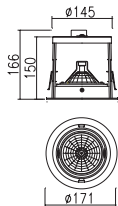
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



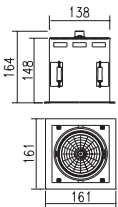
DD-35050 Halogen-pin
DD-35051 CDM-TC



Weight : 0.8kg
 $\varnothing$ 155mm (6 1/10")



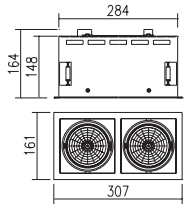
DD-32260.01 Halogen-pin
DD-32261.01 CDM-TC



Weight : 1.3kg
 144 x 144mm (5 7/10" x 5 7/10")



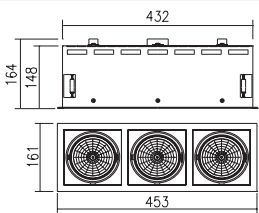
DD-32270.01 Halogen-pin
DD-32271.01 CDM-TC



Weight : 2.3kg
 290 x 144mm (11 2/5" x 5 7/10")



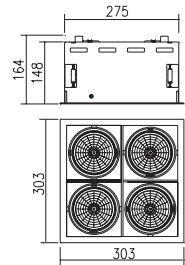
DD-32280.01 Halogen-pin
DD-32281.01 CDM-TC



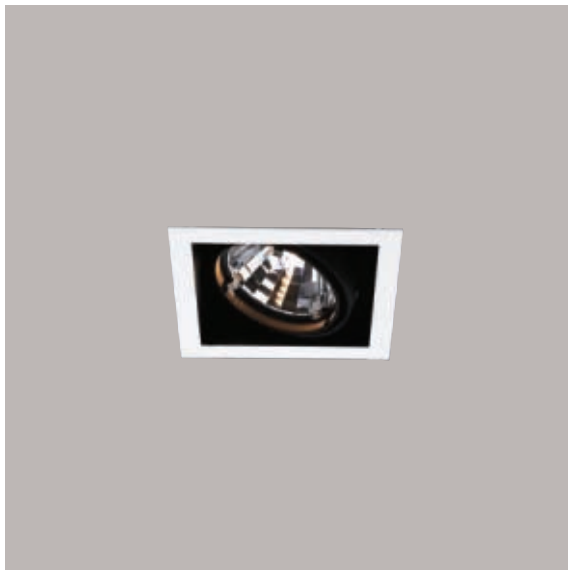
Weight : 3.2kg
 438 x 144mm (17 1/5" x 5 7/10")



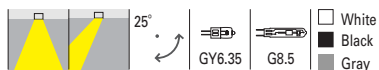
DD-32290.01 Halogen-pin
DD-32291.01 CDM-TC



Weight : 4.3kg
 280 x 280mm (11" x 11")



DD-32260.02 series



I Recessed Down Light | Accent Light |

Trim	AL. Die-Casting (4 lamps - AL. Extrude), Electrostatic Powder Coating	
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$	
Housing	Steel	
Reflector	Narrow Reflector	_AL. Anodized Specular Silver Square
	Medium Reflector	_AL. Anodized Specular Silver Square
	Wide Reflector	_AL. Anodized Specular Silver Embossing with Etching
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass	
Lamp & Socket	Halogen -pin 12V/50W, 75W, 100W	_ GY6.35
	CDM-TC 35W, 70W	_ G8.5

** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 180)
ELECTRIC TERMINAL BLOCK (explanations on page 180)

REFLECTOR (explanations on page 181)
PHOTOMIC DATA (explanations on page 181)

D type

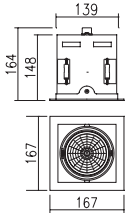
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



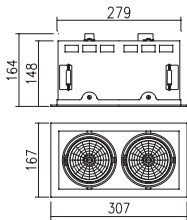
DD-32260.02 Halogen-pin
DD-32261.02 CDM-TC



Weight : 1.3kg
144 x 144mm (5 7/10" x 5 7/10")



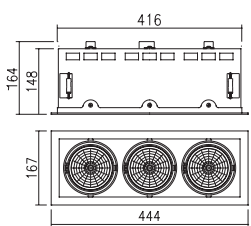
DD-32270.02 Halogen-pin
DD-32271.02 CDM-TC



Weight : 2.3kg
286 x 144mm (11 1/5" x 5 7/10")



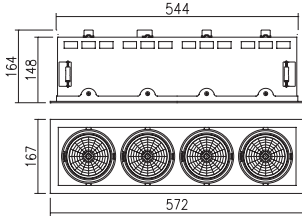
DD-32280.02 Halogen-pin
DD-32281.02 CDM-TC



Weight : 3.2kg
423 x 144mm (16 3/5" x 5 7/10")



DD-32300.02 Halogen-pin
DD-32301.02 CDM-TC

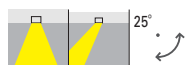


Weight : 4.5kg
551 x 144mm (21 7/10" x 5 7/10")

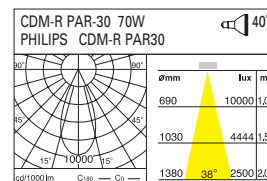
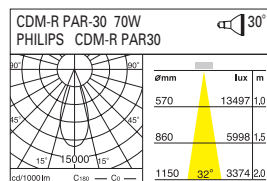
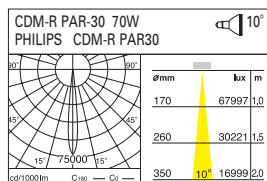
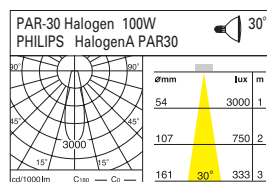
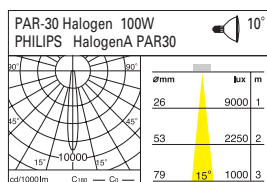
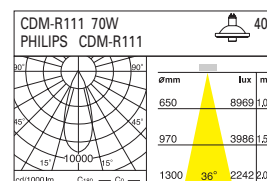
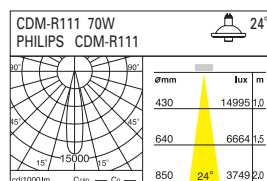
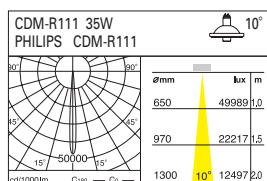
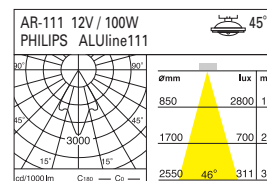
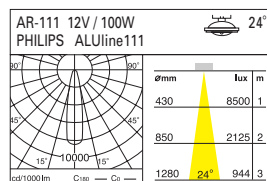
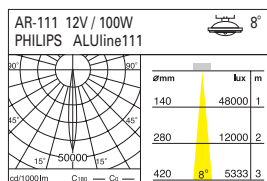


DD-32840 series

I Recessed Down Light | Accent Light |



Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)
Accessory	Glass Lens
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _ G12 HQI-T 70W, 150W _ G12 AR-111 12V / 50W, 100W _ G53 CDM-R111 35W, 70W _ GX8.5 PAR-30 220V / 75W, 100W _ E-27 CDM-R PAR-30 35W, 70W _ E-27



** For Special orders, please make inquiries us.

** As you use CDM-R 111 Lamp,
the housing height of luminaire will be different.
Please make inquiries us.

INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

D type

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)

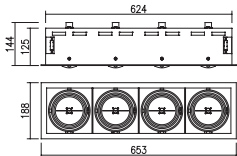
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data

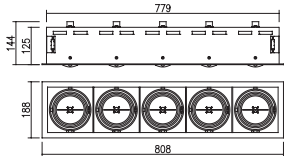


DD-32840



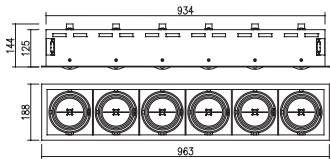
Weight : 3.5kg
630 x 167mm (24 4/5" x 6 3/5")

DD-32850



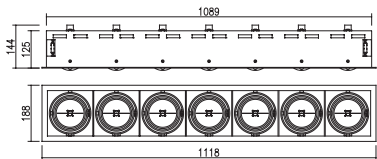
Weight : 4.0kg
785 x 167mm (30 9/10" x 6 3/5")

DD-32860



Weight : 4.4kg
940 x 167mm (37" x 6 3/5")

DD-32870



Weight : 5.0kg
1095 x 167mm (43 1/10" x 6 3/5")

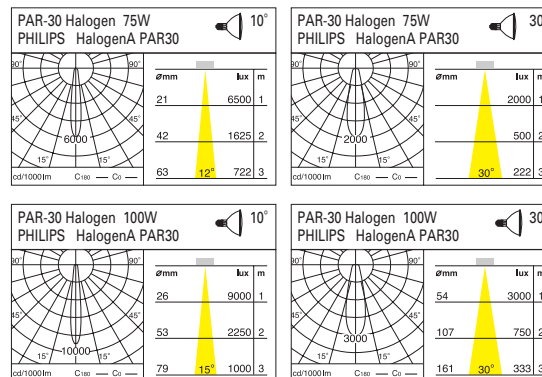


DD-32940 series

I Recessed Down Light | Accent Light I



Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)
Accessory	Glass Lens
Lamp & Socket	PAR-30 220V/ 75W, 100W _ E-27 Halogen-pin 12V / 50W, 75W, 100W _ GY6.35 CDM-TC 35W, 70W _ G8.5



** For Special orders, please make inquiries us.

INSTALLATION INSTRUCTION
(explanations on page 79)

ACCESSORIES (explanations on page 180)
ELECTRIC TERMINAL BLOCK (explanations on page 180)

REFLECTOR (explanations on page 181)
PHOTOMERIC DATA (explanations on page 181)

D type

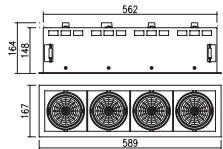
Glass Lens : Clear Tempered Glass, Frosted Tempered Glass
Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data

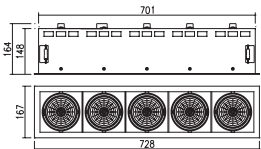


DD-32940



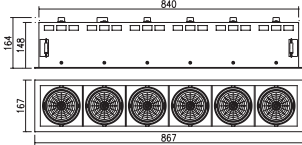
Weight : 4.1kg
568 x 144mm (22 2⁄5" x 5 7⁄10")

DD-32950



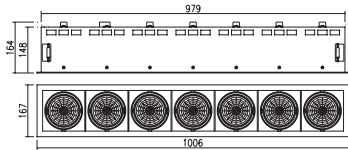
Weight : 5.9kg
707 x 144mm (27 4⁄5" x 5 7⁄10")

DD-32960



Weight : 6.8kg
846 x 144mm (33 3⁄10" x 5 7⁄10")

DD-32970



Weight : 7.7kg
985 x 144mm (38 4⁄5" x 5 7⁄10")



COMPLEX TYPE

DD-36010 series



This space uses a type fixture for area and accent light. So it is neat and clean mood. And these complex type fixtures use a frosted glass in front of the FPL 55W lamp for reducing glare.

DD-36010 Series

There is Hangoon furniture shop.

It is made an atmosphere with a complex type lamp for area light, used FPL lamp and for accent light, used adjustable light.

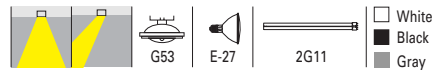
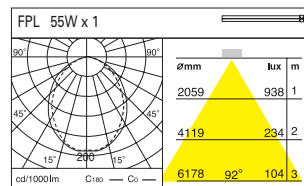
SPECIAL DOWNLIGHTS | COMPLEX TYPE



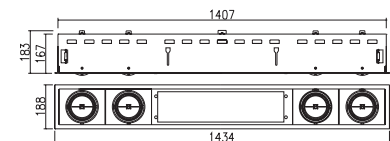
DD-36010 series

I Recessed Down Light | Accent Light I

Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	for Fluorescent Lamp _AL. Mirror Plate
Accessory	for Fluorescent Lamp _Frosted Tempered Glass
Lamp & Socket	AR-111 12V / 50W, 100W _ G53 PAR-30 220V / 75W, 100W _ E-27 FPL 55W x 1 _ 2G11



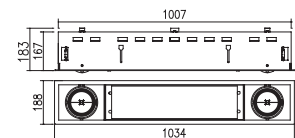
DD-36010	AR-111 Halogen / FPL 55W
DD-36011	PAR-30 Halogen / FPL 55W



Weight : 9.8kg

 1413 x 167mm (55 $\frac{3}{5}$ " x 6 $\frac{3}{5}$ ")

DD-36010-01	AR-111 Halogen / FPL 55W
DD-36011-01	PAR-30 Halogen / FPL 55W



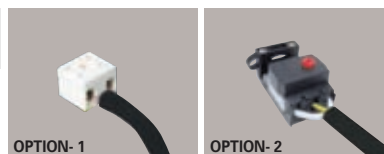
Weight : 7.8kg

 1013 x 167mm (39 $\frac{9}{10}$ " x 6 $\frac{3}{5}$ ")

** For Special orders, please make inquiries us.

** Need reinforcement work around luminaries. These weights weigh into the ceiling.

ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)

D type



DD-36020 series

I Recessed Down Light | Accent Light |

Trim

AL. Extrude, Electrostatic Powder Coating

Adjustable Ring

AL. Die-Casting, Electrostatic Powder Coating

Adjustable Angle : Both Ring Tilt $\angle 25^\circ$

Housing

Steel

Reflector

(for HID Lamp)

AL. Anodized Specular Silver (Narrow, Medium, Wide beam)

(for Fluorescent Lamp)

AL. Mirror Plate

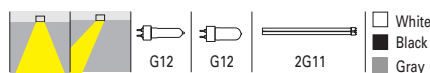
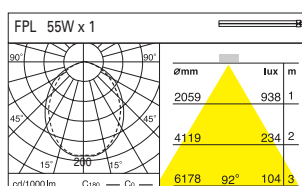
Accessory

(for HID Lamp)

Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+Lamp Cap)

(for Fluorescent Lamp)

Frosted Tempered Glass

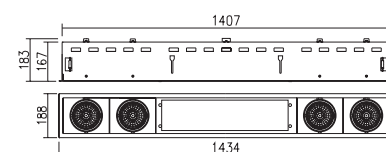


Lamp & Socket

CDM-T, HCI-T 35W, 70W, 150W	_ G12
HQI-T 70W, 150W	_ G12
FPL 55W x 1	_ 2G11

DD-36020 CDM-T, HCI-T / FPL 55W

DD-36021 HQI-T / FPL 55W

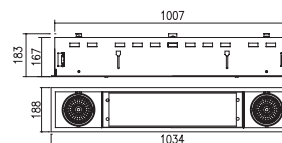


Weight : 10.0kg

1413 x 167mm (55 $\frac{3}{5}$ " x 6 $\frac{3}{5}$ ")

DD-36020-01 CDM-T, HCI-T / FPL 55W

DD-36021-01 HQI-T / FPL 55W



Weight : 8.0kg

1013 x 167mm (39 $\frac{9}{10}$ " x 6 $\frac{3}{5}$ ")

** For Special orders, please make inquiries us.

** Need reinforcement work around luminaries. These weights weigh into the ceiling.

INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 166)

ELECTRIC TERMINAL BLOCK (explanations on page 167)

REFLECTOR (explanations on page 166~167)

PHOTOMERIC DATA (explanations on page 166~167)

D type

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)

Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data

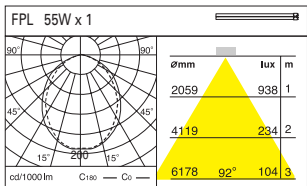




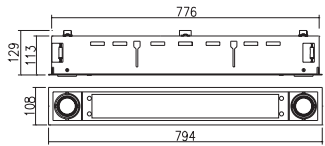
DD-36110 series

I Recessed Down Light | Accent Light I

Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^{\circ}$
Housing	Steel
Reflector	for Flouorescent Lamp _AL. Mirror Plate
Accessory	for Flouorescent Lamp _Frosted Tempered Glass
Lamp & Socket	Dichroic Halogen 12V/50W _GX5.3 Halopar16 220V/50W _GZ10 FPL 55W x 1 _2G11

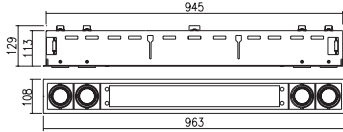


DD-36110	Dichroic Halogen / FPL 55W
DD-36111	Halopar 16 / FPL 55W



Weight : 5.0kg
782 x 97mm (30 4/5" x 3 4/5")

DD-36120	Dichroic Halogen / FPL 55W
DD-36121	Halopar 16 / FPL 55W



Weight : 6.0kg
951 x 97mm (37 2/5" x 3 4/5")

** For Special orders, please make inquiries us.
** Need reinforcement work around luminaries. These weights weigh into the ceiling.

ELECTRIC TERMINAL BLOCK



INSTALLATION INSTRUCTION
(explanations on page 79)

D type

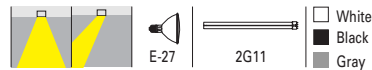
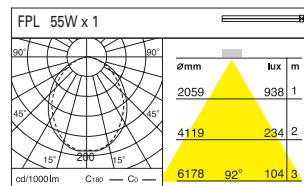
SPECIAL DOWNLIGHTS | COMPLEX TYPE



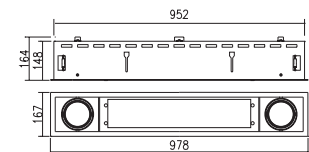
DD-36130 series

I Recessed Down Light | Accent Light I

Trim	AL. Extrude, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Both Ring Tilt $\angle 25^\circ$
Housing	Steel
Reflector	for Fluorescent Lamp _AL. Mirror Plate
Accessory	for Fluorescent Lamp _Frosted Tempered Glass
Lamp & Socket	PAR-30 220V / 75W, 100W _ E-27 FPL 55W x 1 _ 2G11



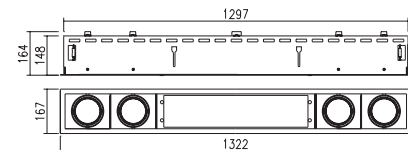
DD-36130 PAR-30 / FPL 55W



Weight : 6.5kg

958 x 144mm (37 7/10" x 5 7/10")

DD-36140 PAR-30 / FPL 55W



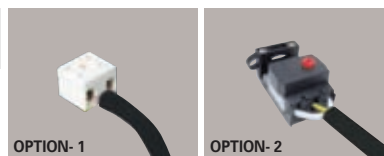
Weight : 7.8kg

1303 x 144mm (51 3/10" x 5 7/10")

** For Special orders, please make inquiries us.

** Need reinforcement work around luminaries. These weights weigh into the ceiling.

ELECTRIC TERMINAL BLOCK

INSTALLATION INSTRUCTION
(explanations on page 79)

D type



DD-36150 series

I Recessed Down Light | Accent Light I

Trim

AL. Extrude, Electrostatic Powder Coating

Adjustable Ring

AL. Die-Casting, Electrostatic Powder Coating

Adjustable Angle : Both Ring Tilt $\angle 25^{\circ}$

Housing

Steel

Reflector

(for HID Lamp)

AL. Mirror Plate

(for Fluorescent Lamp)

AL. Anodized Specular Silver (Narrow, Medium, Wide beam)

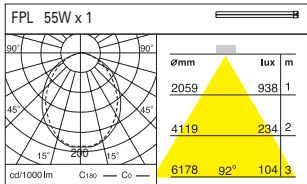
Accessory

(for HID Lamp)

Clear Tempered Glass, Frosted Tempered Glass

(for Fluorescent Lamp)

Frosted Tempered Glass



Lamp & Socket

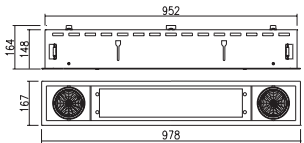
Halogen-pin 12V / 50W, 75W, 100W _ GY6.35

CDM-TC 35W, 70W _ G8.5

FPL 55W x 1 _ 2G11

DD-36150 Halogen-pin / FPL 55W

DD-36151 CDM-TC / FPL 55W

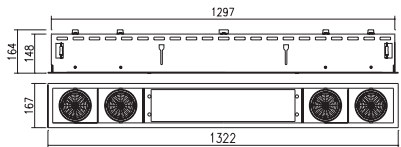


Weight : 6.6kg

958 x 144mm (37 7/10" x 5 7/10")

DD-36160 Halogen-pin / FPL 55W

DD-36161 CDM-TC / FPL 55W



Weight : 8.0kg

1303 x 144mm (51 3/10" x 5 7/10")

** For Special orders, please make inquiries us.

** Need reinforcement work around luminaries. These weights weigh into the ceiling.

INSTALLATION INSTRUCTION

(explanations on page 79)

ACCESSORIES (explanations on page 180)

ELECTRIC TERMINAL BLOCK (explanations on page 180)

REFLECTOR (explanations on page 181)

PHOTOMERIC DATA (explanations on page 181)

D type

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass

Electric Terminal Block : Option-1, Option-2, Option-3



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



Compact FL.

DD-17240 series



DD-17240 Series

Soft lighted square acryl cover fixture produce unified and settled mood in the lobby of low ceiling hospital.

For area light, simple square recessed lighting fixture is used for a modern and casual club.



DD-17240 series



I Recessed Down Light I

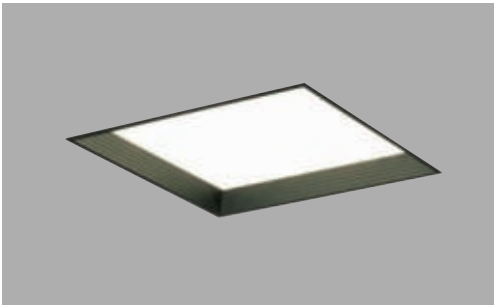
Housing	Steel
Trimless Mounting Kit	AL. Die-Casting & AL. Extrude, Electrostatic Powder Coating
Accessory	Housing Cover / DD-17240.01 - PC & Acrylic Plate DD-17240.02 - PC

Lamp & Socket : Horizontal Mounting
Dulux-D/E 26W _G24q-3

* Only use **Electronic Ballast**

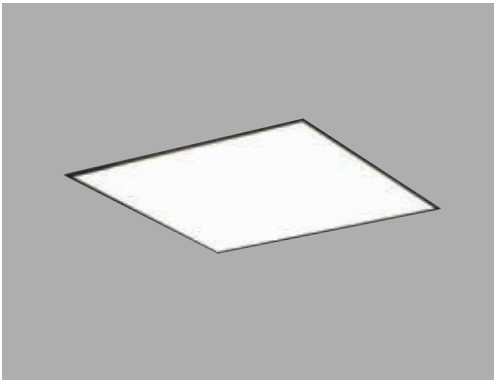
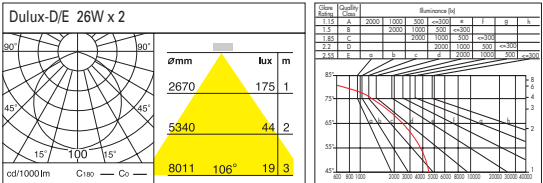
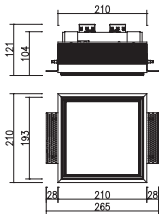
INSTALLATION INSTRUCTION
(explanations on page 79)

Trimless Installation Instruction



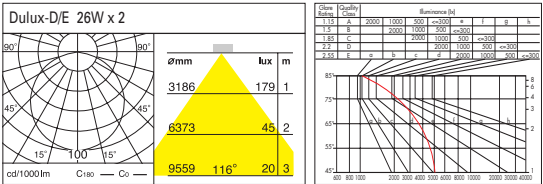
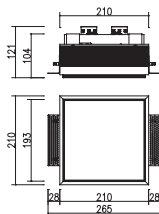
DD-17240.01 G24q-3 Dulux-D/E 26W x 2

Weight : 1.5 kg
214 x 214 mm (8 2⁄5 x 8 2⁄5")



DD-17240.02 G24q-3 Dulux-D/E 26W x 2

Weight : 1.5 kg
214 x 214 mm (8 2⁄5 x 8 2⁄5")





DD-17030 series



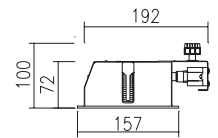
I Recessed Down Light I

- Trim AL. Die-Casting, Electrostatic Powder Coating
- Housing Steel
- Accessory Housing Cover _Square Acrylic Plate

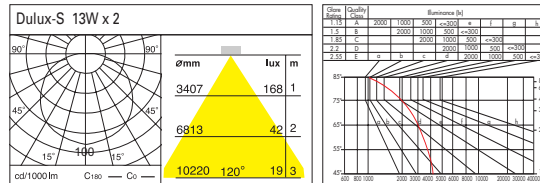
INSTALLATION INSTRUCTION (explanations on page 79)	C type
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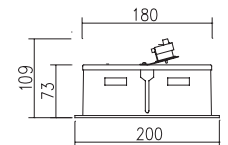
DD-17030 GX23 Dulux-S 13W x 2
G24q-1 Dulux-D/E 13W x 2



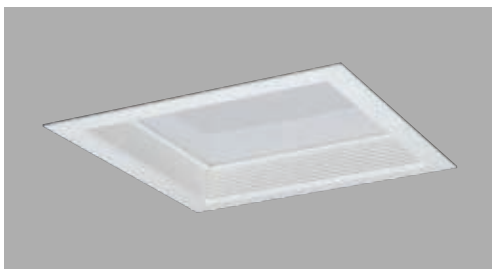
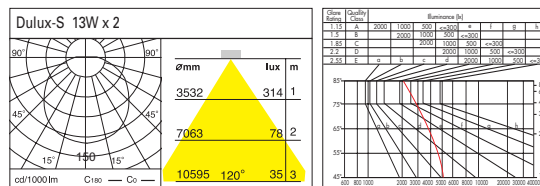
Weight : 0.7 kg
140 x 140mm (5 1/2 x 5 1/2")



DD-17040 G24d-2 Dulux-D 18W x 2
G24q-2 Dulux-D/E 18W x 2



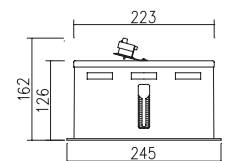
Weight : 0.8 kg
185 x 185mm (7 3/10 x 7 3/10")



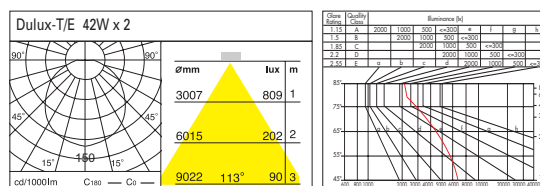
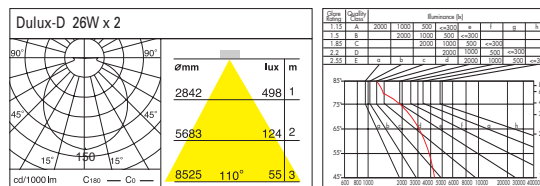
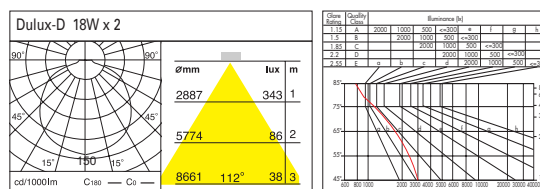
DD-17050 G24d-2 Dulux-D 18W x 2
G24q-2 Dulux-D/E 18W x 2

DD-17051 G24d-3 Dulux-D 26W x 2
G24q-3 Dulux-D/E 26W x 2

DD-17052 GX24q-4 Dulux-T/E 42W x 2

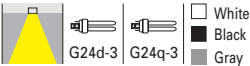


Weight : 1.5 kg
230 x 230mm (9 x 9")





DD-17070.04 series



I Recessed Down Light I

- Trim AL. Die-Casting, Electrostatic Powder Coating
- Housing Steel
- Reflector Polystyrene (Vacuum Coating), Square Shape
- Accessory Housing Cover _Square Acrylic Plate

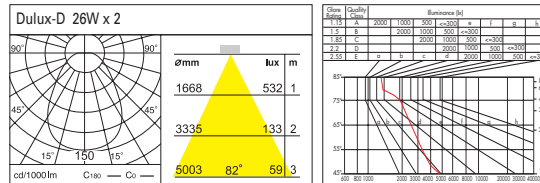
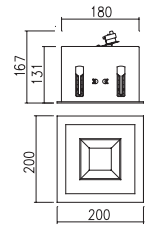
Lamp & Socket : Horizontal Mounting
Dulux-D 26W _G24d-3
Dulux-D/E 26W _G24q-3

INSTALLATION INSTRUCTION (explanations on page 79)	C type
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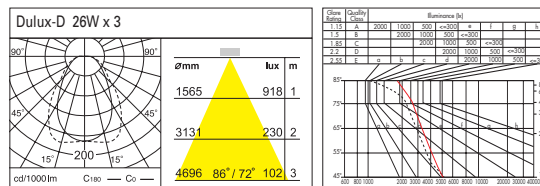
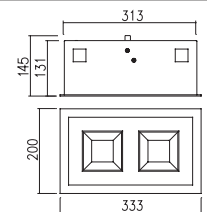
DD-17070.04 G24d-3 Dulux-D 26W x 2
G24q-3 Dulux-D/E 26W x 2

Weight : 1.1 kg
185 x 185mm (7 3/10 x 7 3/10")



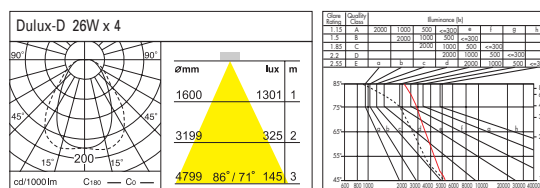
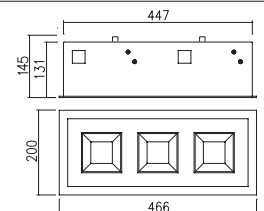
DD-17080.04 G24d-3 Dulux-D 26W x 3
G24q-3 Dulux-D/E 26W x 3

Weight : 1.8 kg
320 x 185mm (12 1/10 x 7 3/10")



DD-17090.04 G24d-3 Dulux-D 26W x 4
G24q-3 Dulux-D/E 26W x 4

Weight : 2.4 kg
455 x 185mm (17 9/10 x 7 3/10")





DD-17070.05 series

I Recessed Down Light I



Trim	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel
Reflector	Polystyrene (Vacuum Coating), Square Shape
Accessory	Housing Cover _Square Acrylic Plate

Lamp & Socket : Horizontal Mounting
 Dulux-D 26W _G24d-3
 Dulux-D/E 26W _G24q-3

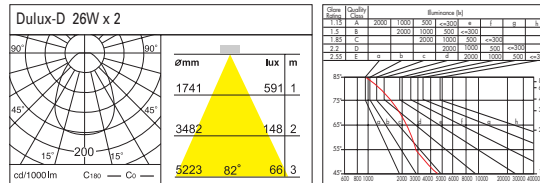
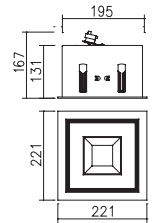
INSTALLATION INSTRUCTION
 (explanations on page 79)

C type



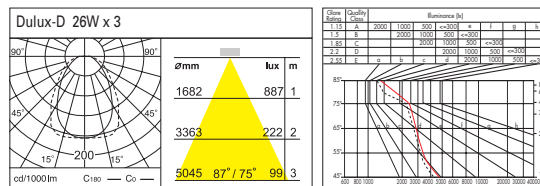
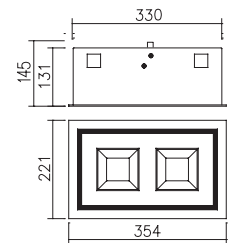
DD-17070.05 G24d-3 Dulux-D 26W x 2
G24q-3 Dulux-D/E 26W x 2

Weight : 2.0 kg
200 x 200mm (7 7/8 x 7 7/8")



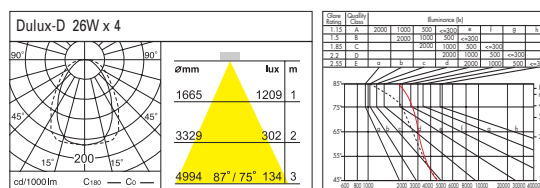
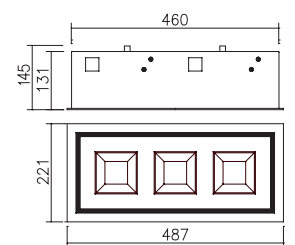
DD-17080.05 G24d-3 Dulux-D 26W x 3
G24q-3 Dulux-D/E 26W x 3

Weight : 3.8 kg
335 x 200 mm (13 1/5 x 7 7/8")



DD-17090.05 G24d-3 Dulux-D 26W x 4
G24q-3 Dulux-D/E 26W x 4

Weight : 5.0 kg
465 x 200 mm (18 3/10 x 7 7/8")



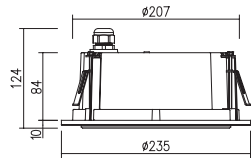
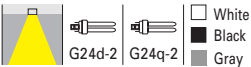


This fixture is upgraded moisture proofing luminaire from general moisture proofing construction to water proofing.
Its projecting glass cover gives soft light from floor to ceiling.
This fixture is suitable for a toilet, bath room and the rest room.



DD-15320

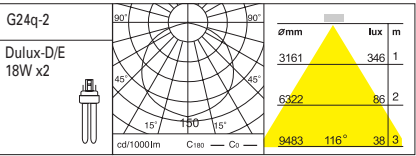
I Recessed Down Light I



Weight : 1.8 kg
ø 220 mm (8 7/10")

- Trim AL. Die-Casting, Electrostatic Powder Coating
- Housing AL. Die-Casting
- Reflector Steel Plate (White)
- Cover Glass _ Outer Part (Clear), Inner Part (Sanding + White Coating)

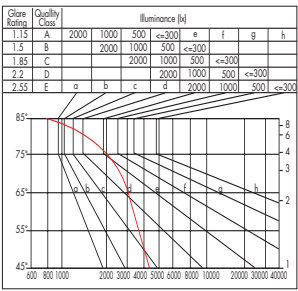
Lamp & Socket : Dulux-D 18Wx 2 _G24d-2
Dulux-D/E 18Wx 2 _G24q-2



LiTG Utilization Factors

r (ceiling)	70	80	80	50	50	80	80	80	50	50	30	0
r (wall)	50	50	30	50	30	80	50	30	50	30	30	0
r (work)	20	30	30	30	30	10	10	10	10	10	10	0
Roomindex	Utilization factors for ceiling mounted luminaires											
.6	18	19	15	18	14	27	18	14	17	17	14	11
.8	23	24	20	22	19	31	22	19	21	21	18	15
1.0	26	28	23	26	22	34	26	22	24	24	21	18
1.25	30	32	28	30	26	36	29	26	28	28	25	22
1.5	33	35	31	32	29	38	32	29	30	30	27	25
2.0	36	39	35	36	33	40	35	32	33	33	31	28
2.5	38	42	39	38	36	41	37	35	36	34	33	31
3.0	40	44	41	40	38	42	39	37	37	36	35	33
4.0	42	47	44	42	41	43	40	39	39	37	37	35
5.0	44	48	46	44	42	44	41	40	40	39	38	36

Luminance Limiting Curve



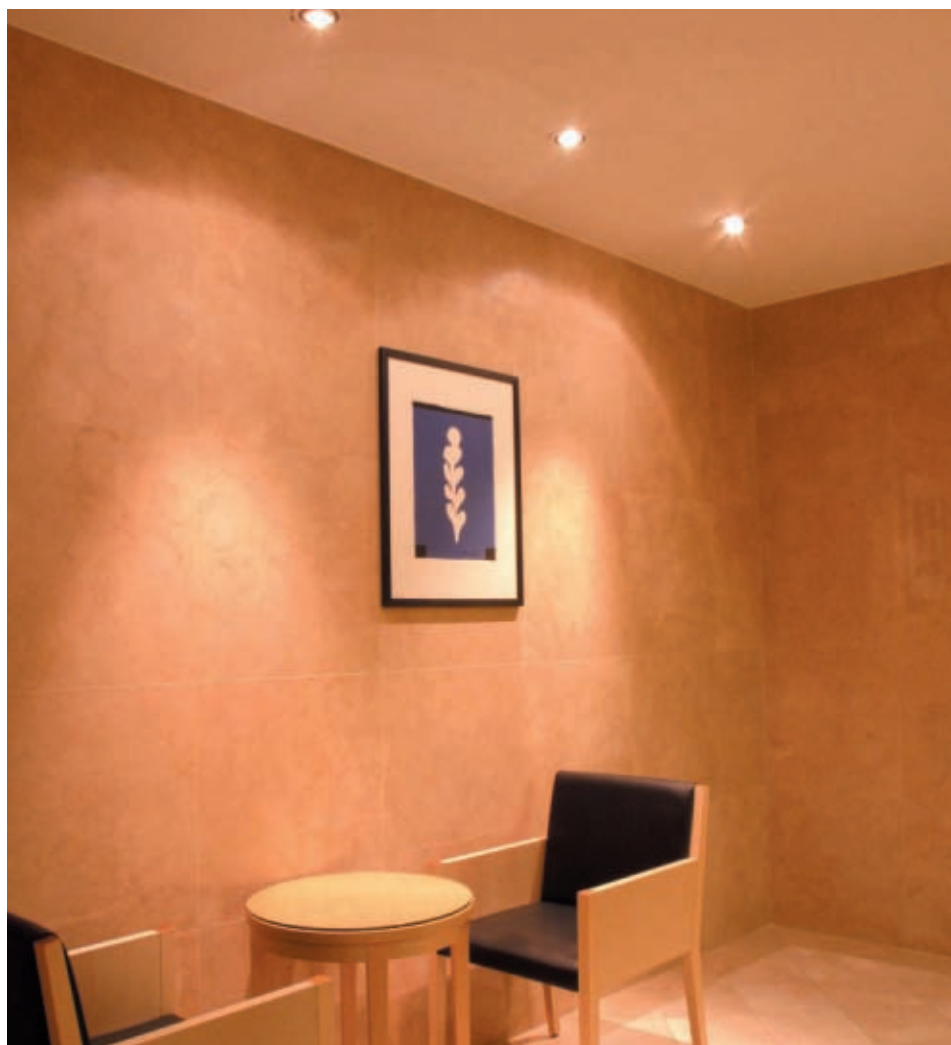
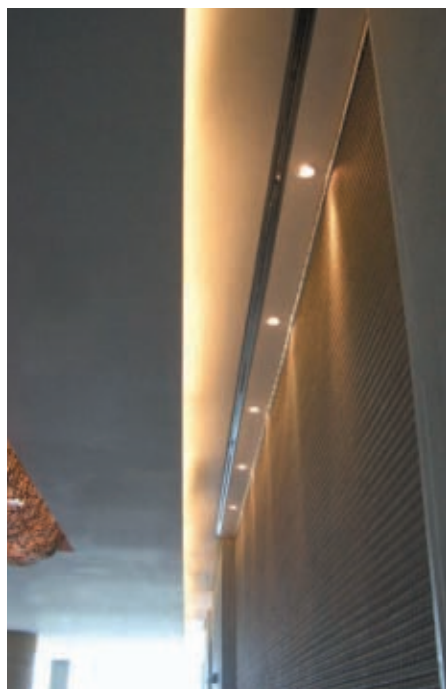
INSTALLATION INSTRUCTION
(explanations on page 79)

D type



Low Voltage Dichroic Halogen

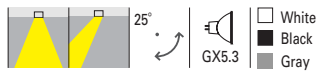
DD-10270 series



Using halogen accent light for wall spot source.

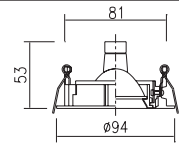
DD-10270 Series

According to pathway line, narrow beam halogen fixture is used for projecting brick wall. This light line show natural brick feeling.

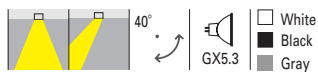
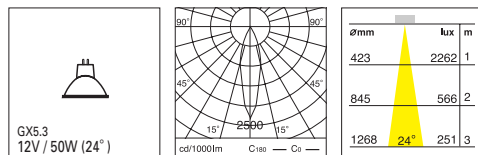
**DD-10270**

I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle 25^\circ$)
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3

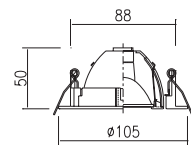


Weight : 0.2kg
 Ø 85 mm (3 3/16")

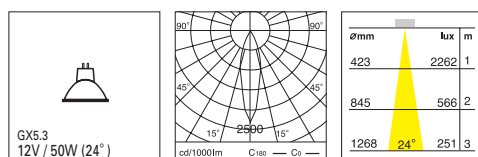
**DD-10290**

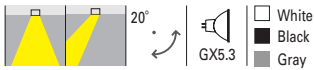
I Recessed Down Light | Accent Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Rotation $\angle 35^\circ$, Tilt $\angle 40^\circ$)
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3



Weight : 0.2kg
 Ø 93 mm (3 5/8")

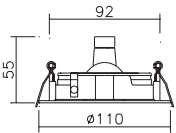




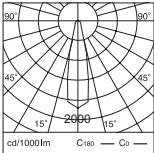
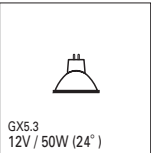
DD-10300

I Recessed Down Light | Accent Light I

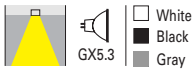
Trim	AL. Die-Casting, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Tilt ∠20°
Lamp & Socket	Dichroic Halogen 12V / 50W _GX5.3



Weight : 0.2kg
ø 98 mm (3 4/5")



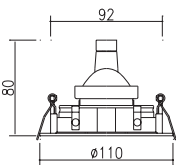
ømm	lux	m
441	1648	1
882	412	2
1323	183	3



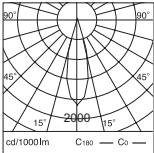
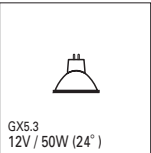
DD-10310

I Recessed Down Light I

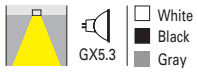
Trim	AL. Die-Casting, Electrostatic Powder Coating
Lamp Housing & Cover	AL. Die-Casting, Electrostatic Powder Coating
Pin Hole	Steel (Black)
Lamp & Socket	Dichroic Halogen 12V / 50W _GX5.3



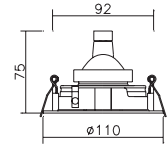
Weight : 0.2kg
ø 98 mm (3 4/5")



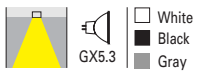
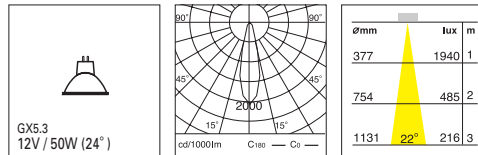
ømm	lux	m
388	1621	1
776	405	2
1164	180	3

**DD-10320****I Recessed Down Light I**

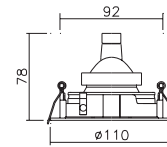
Trim	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3



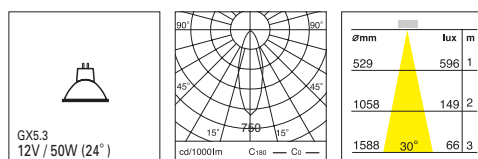
Weight : 0.2kg
 Ø 98 mm (3 4/5")

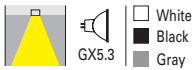
**DD-10330****I Recessed Down Light I**

Trim	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating
Accessory	Glass Lens : Frosted tempered Glass
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3



Weight : 0.2kg
 Ø 98 mm (3 4/5")

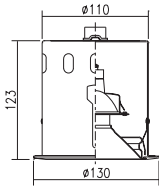




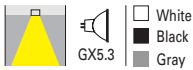
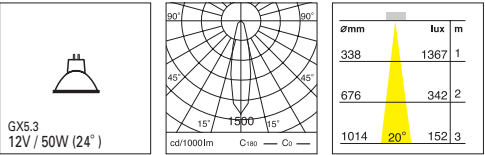
DD-10340

I Recessed Down Light I

Trim	ABS Copolymer, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver
Housing	Steel
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3



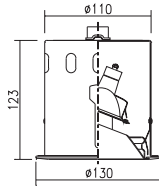
Weight : 0.3kg
ø 115 mm (4 1/2")



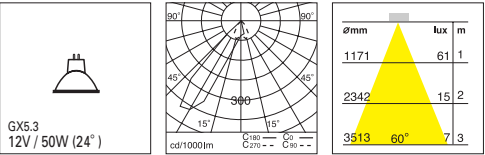
DD-10350

I Recessed Down Light I

Trim	ABS Copolymer, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver
Housing	Steel Fixed Lamp Angle : ∠ 12°
Lamp & Socket	Dichroic Halogen 12V / 50W _ GX5.3



Weight : 0.3kg
ø 115 mm (4 1/2")



INSTALLATION INSTRUCTION
(explanations on page 79)

B type



Down Spots

DDS-27190 series, DDS-29010 series



Wide range of the tilt angle, accent light fixture light display products. This square shape, wide beam accent lighting fixtures light evenly in this area.

Square shaped wide beam accent lighting fixtures were use for area and accent light in this small shopping area.

DDS-27190, 29010 Series

These high intensity lamp fixtures are suitable to high ceiling space for area and accent light.

These can be tilt both side and rotate.

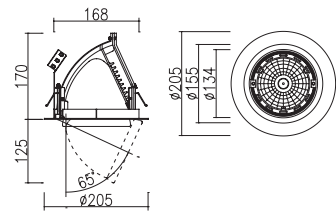
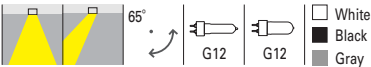
This multi-purpose fixture, down light and accent light, can be control direction of the light.

This design came from Korean traditional line.



DDS-27190 series

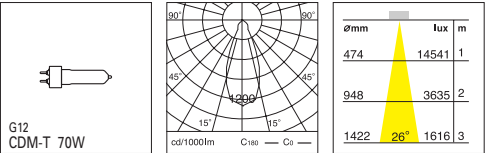
I Recessed Down Light | Accent Light I



Weight : 1.2kg
ø 185 mm (7 1/3")

Trim	AL. Die-Casting, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle : Rotation $\angle 355^{\circ}$, Tilt $\angle 65^{\circ}$
Frame	AL. Die-Casting
Reflector	AL. Anodized Square Silver
Accessory	Glass Lens : Clear Tempered Glass
Lamp & Socket	CDM-T 35W, 70W, 150W _ G12 HQI-T 70W, 150W _ G12

DDS-27190	CDM-T 35W, 70W, 150W
DDS-27191	HQI-T 70W, 150W



ELECTRIC TERMINAL BLOCK



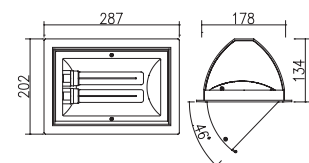
INSTALLATION INSTRUCTION
(explanations on page 79)

D type



DDS-29010 series

I Recessed Down Light | Accent Light |



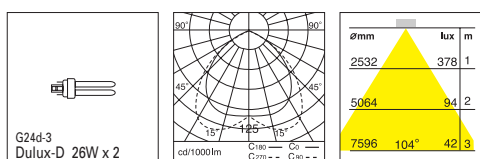
Weight : 2.0kg
277 x 182mm (10 9/10" x 7 1/5")

Trim	Steel, Electrostatic Powder Coating
Lamp Housing	AL. Extrude, Electrostatic Powder Coating Adjustable Tilt Angle : $\angle 40^\circ$
Frame	AL. Die-Casting
Reflector	AL. Mirror
Accessory	Glass Lens : Clear Tempered Glass, Frame: Black Silk Print

Lamp & Socket	Horizontal mounting
Dulux-S 13W x 2	_ GX23
Dulux-D/E 13W x 2	_ G24q-1
Dulux-D 26W x 2	_ G24d-3
Dulux-D/E 26W x 2	_ G24q-3

DDS-29010 Dulux-S 13W x 2, Dulux-D/E 13W x 2

DDS-29011 Dulux-D 26W x 2, Dulux-D/E 26W x 2

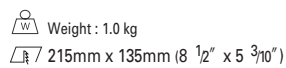


ELECTRIC TERMINAL BLOCK



INSTALLATION INSTRUCTION
(explanations on page 79)

D type

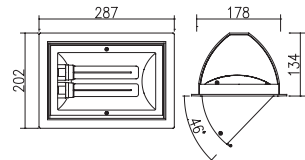


220 RAAT



DDS-29030 series

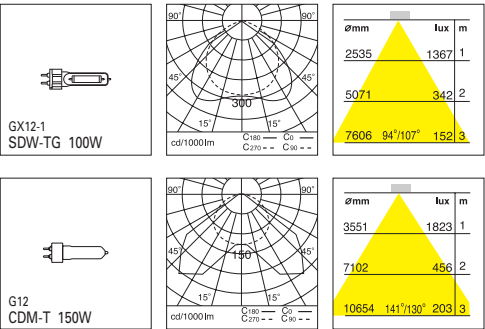
I Recessed Down Light | Accent Light I



Weight : 1.0 kg
215mm x 135mm (8 1/2" x 5 3/10")

Trim	AL. Die-Casting, Electrostatic Powder Coating (White, Gray)
Lamp Housing	Aluminum, Electrostatic Powder Coating (White, Gray) Adjustable Tilt Angle : ∠52°
Frame	AL. Die-Casting
Reflector	AL. Mirror
Accessory	Glass Lens : Clear Tempered Glass, One side: Black Silk Print
Lamp & Socket	Horizontal mounting SDW-TG 100W _ GX12-1 CDM-T 35W, 70W, 150W _ G12

DDS-29030	SDW-TG 100W
DDS-29031	CDM-T 35W, 70W, 150W



ELECTRIC TERMINAL BLOCK



INSTALLATION INSTRUCTION
(explanations on page 79)

B type



Wall & Ceiling Type

DD-38010 series

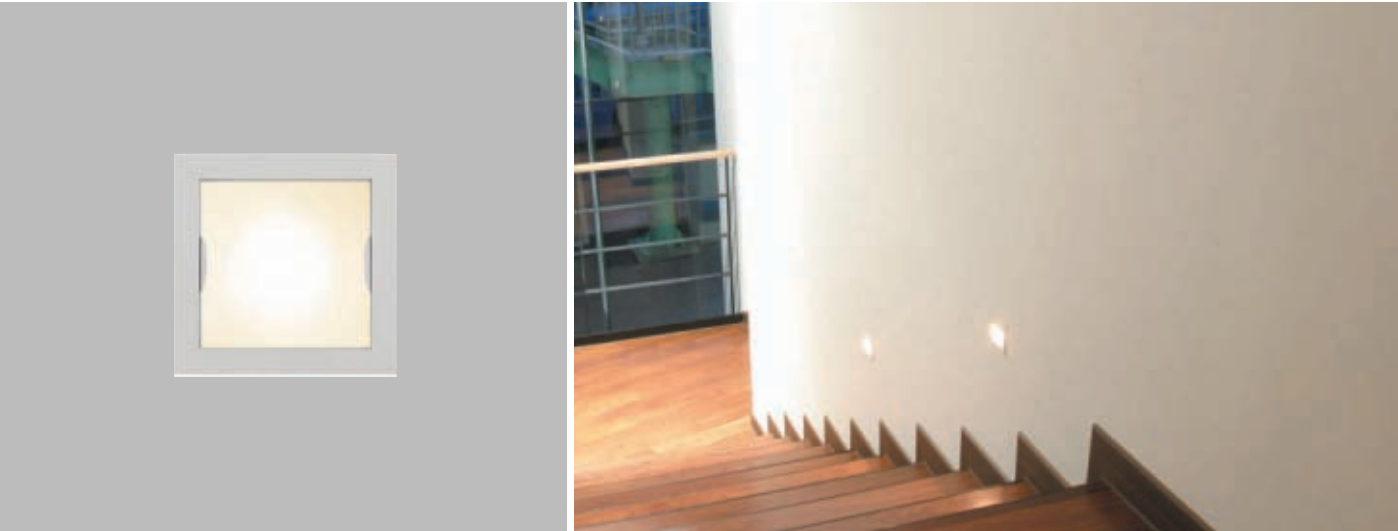


Those blue LED light match with wall pattern color. Harmony of interior space.

DD-38010 Series

A square neat recessed wall lighting fixture. Using Halogen and Led light source make intended effect.

These make several moods according to pattern and color. The small step lights were recessed in wall. Those small fixtures give decorative effect in stairway.

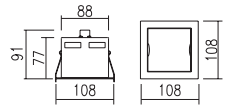


DD-38010 series

I Recessed Wall Light I

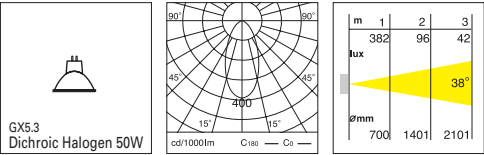


Trim	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel Plate, 2T(2mm)
Accessory	Glass Cover _Frosted Tempered Glass
Lamp & Socket	Dichroic Halogen 12V/50W _ GX5.3 Halopar16 220V/50W _ GZ10



Weight : 0.4 kg
94 x 94mm (3 7/10" x 3 7/10")

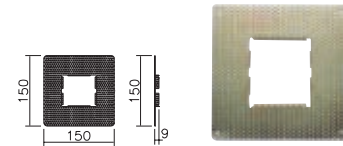
DD-38010	Dichroic Halogen
DD-38011	Halopar 16



INSTALLATION INSTRUCTION (explanations on page 79)	B type
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DD-38020-02 Steel mesh



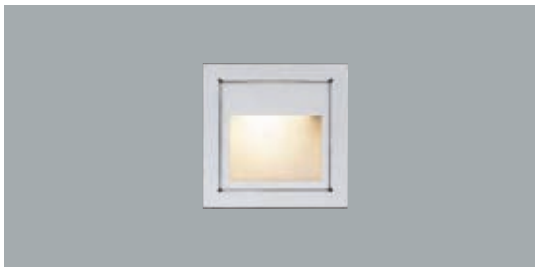
*Need enough space for the lower end of installation place Min. 80~100mm.
*If the finish is wood, DD-38020.02 must be used.

DD-38020 series

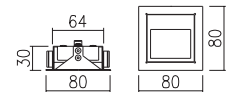
I Recessed Wall Light I



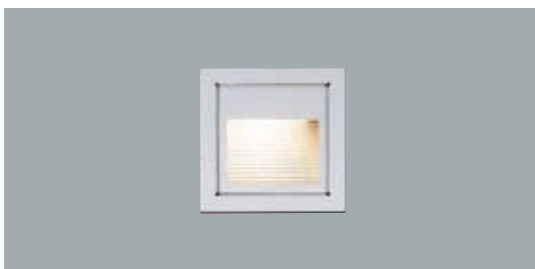
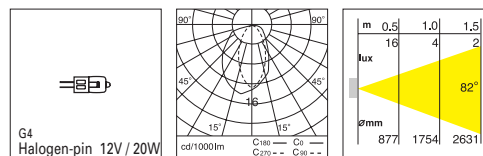
Trim	AL. Plate, Electrostatic Powder Coating
Housing	Steel Plate, 2T(2mm)
Reflector	AL. Plate, AL. Plate with Grooved Pattern
Lamp & Socket	Halogen-pin 12V / 10W, 20W _G4 LED 1W



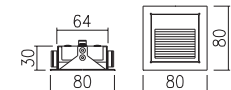
DD-38020	Halogen-pin
DD-38021	LED



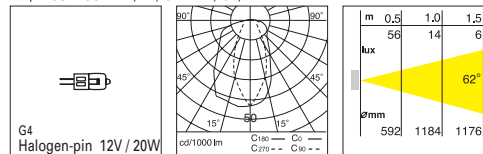
Weight : 0.1kg
68 x 68mm (2 7/10" x 2 7/10")



DD-38030	Halogen-pin
DD-38031	LED

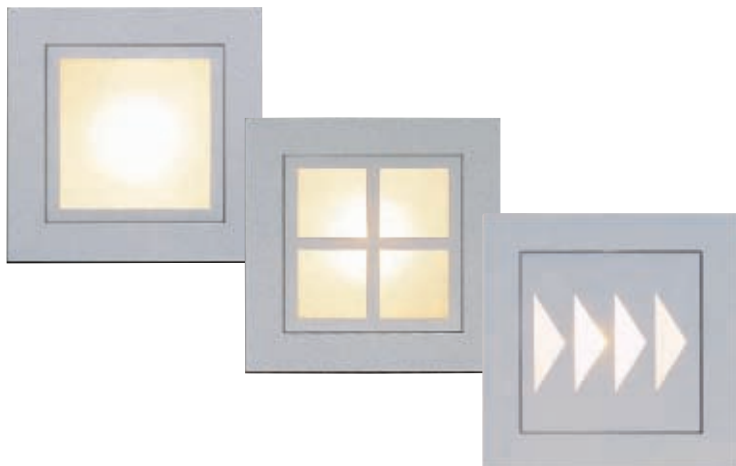


Weight : 0.1kg
68 x 68mm (2 7/10" x 2 7/10")



INSTALLATION INSTRUCTION
(explanations on page 79)

B type

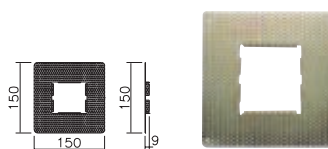


DD-38110 series

I Recessed Wall Light I

Trim	AL. Die-Casting, Electrostatic Powder Coating
Housing	Steel Plate, 2T(2mm)
Mounting Frame	AL. Plate
Accessory	Glass Lens _Frosted Tempered Glass
Lamp & Socket	Halogen-pin 12V / 10W, 20W _G4 LED 1W

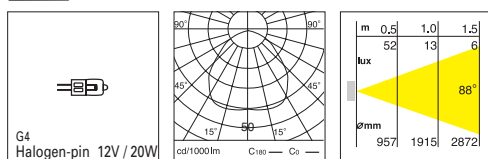
DD-38020-02 Steel mesh



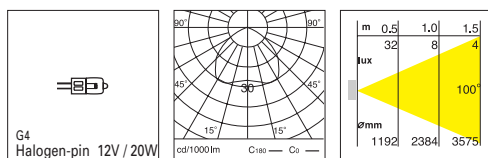
*Need enough space for the lower end of installation place Min. 80~100mm.
*If the finish is wood, DD-38020.02 must be used.



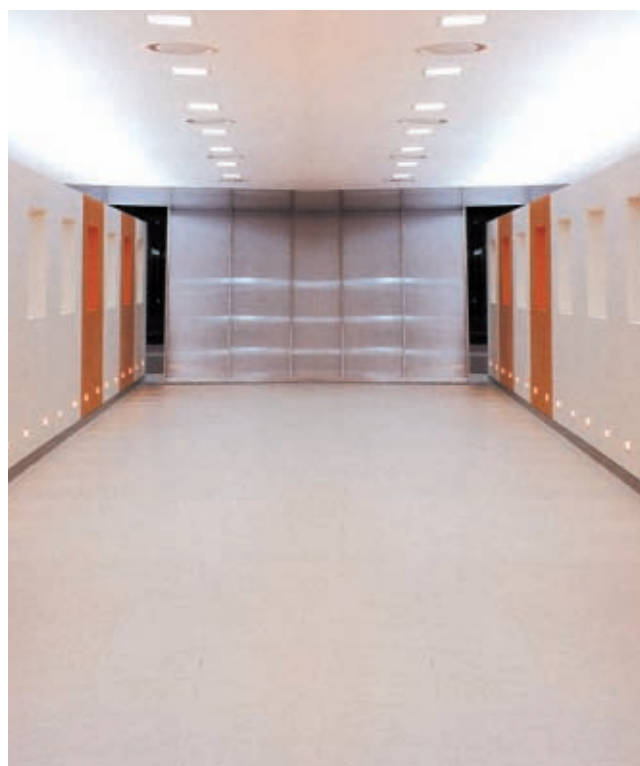
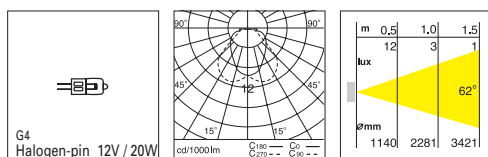
DD-38110 / 38120

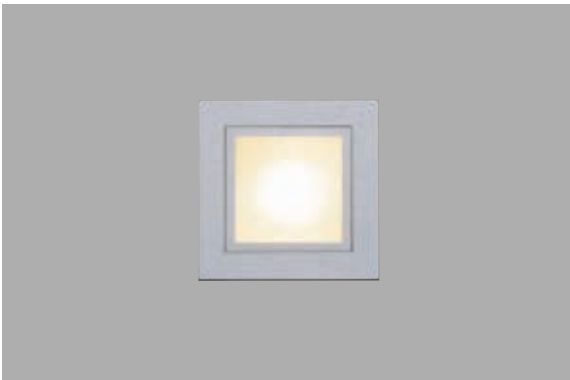


DD-38130 / 38140

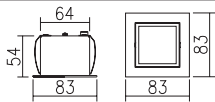


DD-38150 / 38160



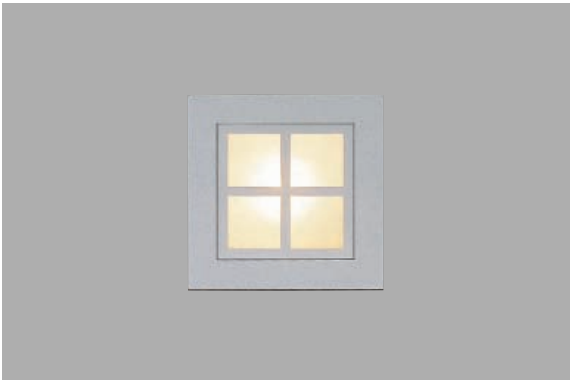


DD-38110 Halogen-pin
DD-38111 LED

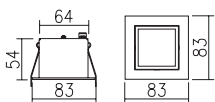


68 x 68mm (2 7/10" x 2 7/10")

Installation Instruction / p.79 - A type



DD-38120 Halogen-pin
DD-38121 LED

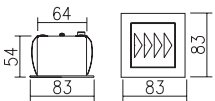


72 x 72mm (2 4/5" x 2 4/5")

Installation Instruction / p.79 - B type



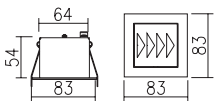
DD-38150 Halogen-pin
DD-38151 LED



68 x 68mm (2 7/10" x 2 7/10")

Installation Instruction / p.79 - A type

DD-38160 Halogen-pin
DD-38161 LED



72 x 72mm (2 4/5" x 2 4/5")

Installation Instruction / p.79 - B type

WALL & CEILING LIGHTS | HALOGEN-PIN, HALOLINE

**Installation Instruction**

Please see page 79 - A type

If wall depth is too thin, installation of this fixture is hard.

The thickness has to be Min.10mm.

Need enough space for the lower end of installation place Min.120~150mm.

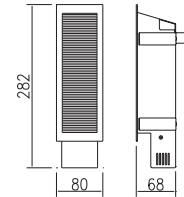
Light weight and easy installation.

** For Special orders, please make inquiries us.

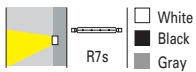
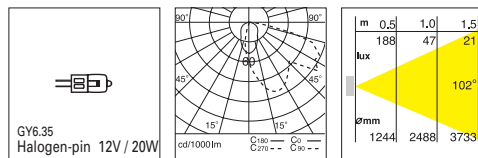
DD-38210**I Recessed Wall Light I**

Trim Steel Plate, Electrostatic Powder Coating
Housing Steel Plate
Reflector AL. Plate , Grooved Pattern Plate
Accessory Glass Lens _Frosted Tempered Glass

Lamp & Socket : Halogen-pin 12V / 50W, 75W, 100W _GY6.35



Weight : 1.0 kg
70 x 216mm (2 4/5" x 8 1/2")

**Installation Instruction**

Please see page 79 - A type

If wall depth is too thin, installation of this fixture is hard.

The thickness has to be Min.10mm.

Need enough space for the lower end of installation place Min.120~150mm.

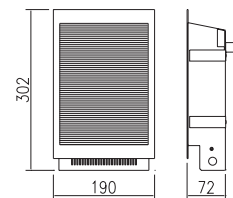
Light weight and easy installation.

** For Special orders, please make inquiries us.

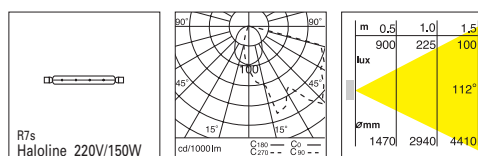
DD-38220**I Recessed Wall Light I**

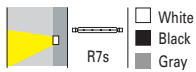
Trim : Steel Plate, Electrostatic Powder Coating
Housing : Steel Plate
Reflector : AL. Plate , Grooved Pattern Plate
Accessory : Glass Lens _Frosted Tempered Glass

Lamp & Socket : Haloline 220V / 150W, 200W _R7s



Weight : 1.7 kg
175 x 240mm (6 9/10" x 9 2/5")





Installation Instruction

Please see page 79 - A type

If wall depth is too thin, installation of this fixture is hard.
The thickness has to be Min.10mm.
Need enough space for the lower end of installation place Min.120-150mm.
Light weight and easy installation.

** For Special orders, please make inquiries us.

DD-38230

I Recessed Wall Light I

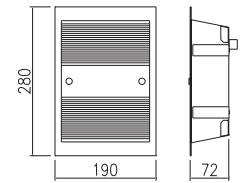
Trim : Steel Plate, Electrostatic Powder Coating

Housing : Steel Plate

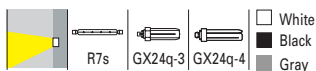
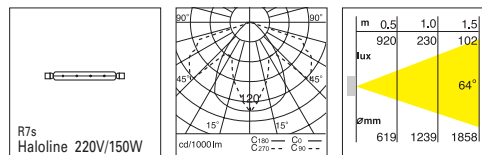
Reflector : AL. Plate , Grooved Pattern Plate

Glare Blocking Plate

Lamp & Socket : Haloline 74.9mm 220V / 100W, 150W _R7s



Weight : 1.6 kg
Size : 175 x 240mm (6 9/16" x 9 25/16")



Installation Instruction

Please see page 79 - A type

If wall depth is too thin, installation of this fixture is hard.
The thickness has to be Min.10mm.
Need enough space for the lower end of installation place Min.120-150mm.
Light weight and easy installation.

** For Special orders, please make inquiries us.

DD-38240

I Recessed Wall Light I

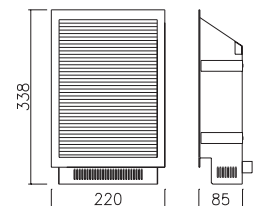
Trim : Steel Plate, Electrostatic Powder Coating

Housing : Steel Plate

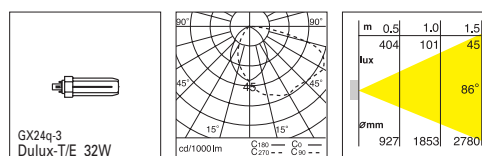
Reflector : AL. Plate , Grooved Pattern Plate

Accessory : Glass Lens _Frosted Tempered Glass

Lamp & Socket : Haloline 220V / 150W, 200W _R7s
Dulux-T/E 32W _GX24q-3
Dulux-T/E 42W _GX24q-4



Weight : 2.0 kg
Size : 200 x 280mm (7 8/16" x 11")





Pendants & Brackets

General type, Decoration type



Simple and functional design. This pendant is suitable for commercial area like a gallery and shopping area. It used for function purpose than decoration.

DP-50310

Kiss pendant - new product, metal halide lamp.

DP-50130 Series

These fixtures are for food light pendant. Its light wavelength range has influence on food.

SDW-TG lamp and color coated glass can make different lights for products.

DP-52040 Series

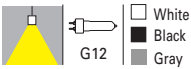
These fixtures are suitable for commercial area like a gallery and shopping area.

It used for function purpose than decoration.

DP-56020 Series

Multi purpose pendant used in meeting room. For area light, fluorescent lamp and for accent light, halogen lamp used for soft mood.

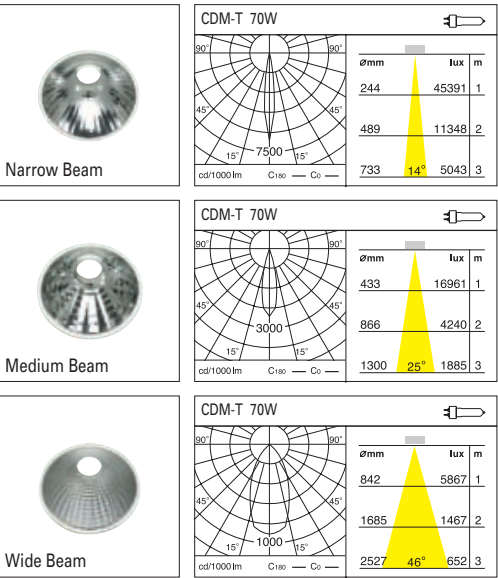
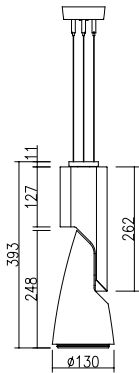




DP-50310

| Direct Light Pendant |

Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Tilt $\angle$ 180°)
Lamp Housing Cover	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Mounting Ring	AL. Die-Casting, Electrostatic Powder Coating (Black only)
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Square with Embossing
Accessory	Glass Lens _ Clear Tempered Glass _ Frosted Tempered Glass _ Clear Tempered Glass(+ cap cover)
Wire	STS
Lamp & Socket	CDM-T, HCI-T 35W, 70W _G12





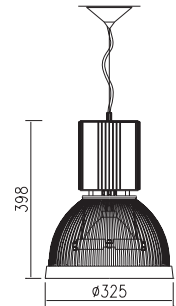
Installation Instruction

** For Special orders, please make inquiries us.

DP-50100 series

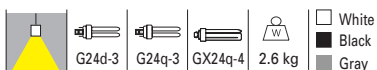
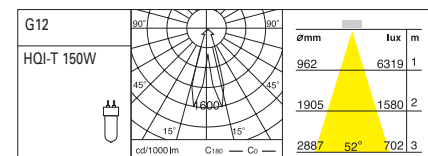
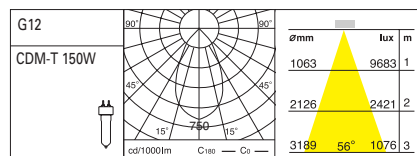
| Direct Light Pendant |

Housing	PC
Trim Ring	AL. Spinning Processing, Electrostatic Powder Coating
Gear Box	AL. Extrude, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver (inner)
Mounting Ring	AL. Die-Casting (inner)
Accessory	Glass Lens _ Tempered Glass
Wire	STS
Lamp & Socket	CDM-T, HCI-T 35W, 70W, 150W _ G12 HQI-T 70W, 150W _ G12



DP-50100 CDM-T, HCI-T 35W, 70W, 150W

DP-50101 HQI-T 70W, 150W



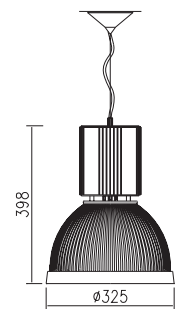
Installation Instruction

** For Special orders, please make inquiries us.

DP-50110 series

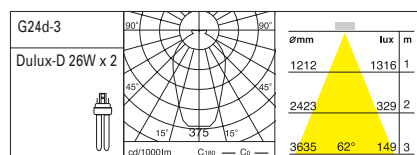
| Direct Light Pendant |

Housing	PC
Gear Box	AL. Extrude, Electrostatic Powder Coating
Trim Ring	AL. Spinning Processing, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	Dulux-D 26Wx2 _G24d-3 Dulux-D/E 26Wx2 _G24q-3 Dulux-T/E 42Wx2 _GX24q-4



DP-50110 Dulux-D 26W x 2, Dulux-D/E 26W x 2

DP-50111 Dulux-T/E 42W x 2

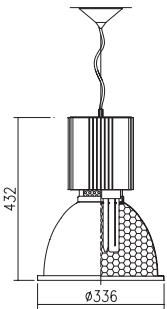




DP-50120 series

| Direct Light Pendant |

Housing	AL. Spinning Processing, Electrostatic Powder Coating Reflector - AL. Anodized Honeycomb (inner)		
Gear Box	AL. Extrude, Electrostatic Powder Coating		
Wire	STS		
Lamp & Socket	Dulux-D 26Wx2, Dulux-D/E 26W x 2	_ G24d-3, G24q-3	
	Dulux-T/E 42Wx2	_ GX24q-4	
	CDM-T, HCI-T 35W, 70W, 150W	_ G12	
	HQI-T 70W, 150W	_ G12	



3.0 kg

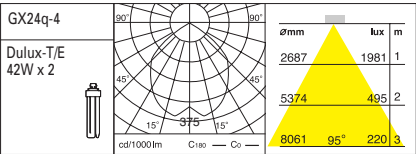
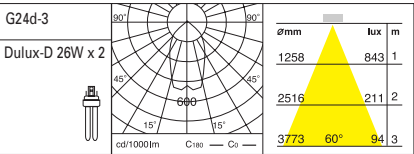
☐ White

☐ Black

☐ Gray

Installation Instruction
** For Special orders, please make inquiries us.

DP-50120	Dulux-D 26W x 2, Dulux-D/E 26W x 2
DP-50121	Dulux-T/E 42W x 2
DP-50122	CDM-T, HCI-T 35W, 70W, 150W
DP-50123	HQI-T 70W, 150W







GX12-1

3.3 kg

☐ White

☐ Gray

☒ Red

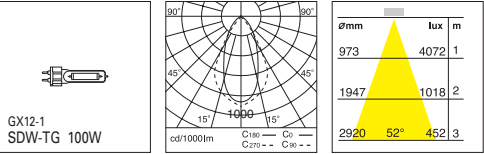
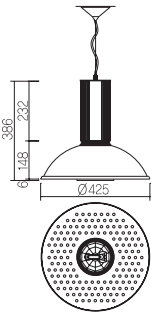
☐ Green

Installation Instruction
** For Special orders, please make inquiries.

DP-50130

Housing	AL. Spinning Processing, Electrostatic Powder Coating
Housing Cover	Punched Steel Plate, Electrostatic Powder Coating
Gear Box	AL. Extrude, Electrostatic Powder Coating
Reflector	AL. Anodized Embossing Silver or Gold
Accessory	Glass Lens _Clear Tempered Glass
Wire	STS
Lamp & Socket	Horizontal mounting SDW-TG 100W _GX12-1

I Direct Light Pendant I



DP-50130 and 50140 series are for food light pendant. Its light wavelength range has influence on food. SDW-TG lamp and color coated glass can make different lights for products.





GX12-1

3.3 kg

White

Gray

Red

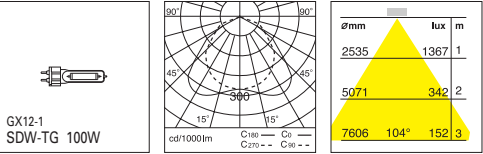
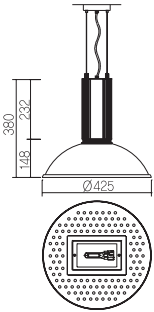
Green

Installation Instruction
** For Special orders, please make inquiries us.

DP-50140

I Direct Light Pendant I

Housing	AL. Spinning Processing, Electrostatic Powder Coating
Housing Cover	Punched Steel Plate, Electrostatic Powder Coating
Gear Box	AL. Extrude, Electrostatic Powder Coating
Reflector	AL. Anodized Embossing Silver or Gold
Accessory	Glass Lens _Clear Tempered Glass
Wire	STS
Lamp & Socket	Horizontal mounting SDW-TG 100W _GX12-1



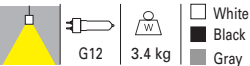
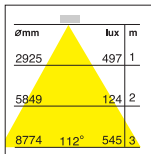
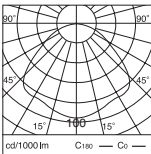
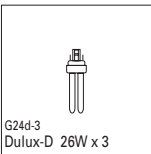
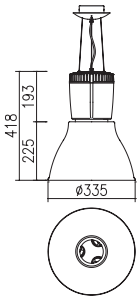


Installation Instruction
** For Special orders, please make inquiries us.

DP-50200

| Direct Light Pendant |

- Housing AL. Spinning Processing, Electrostatic Powder Coating
- Housing Cover Acryl Plate
- Gear Box AL. Die-Casting, Electrostatic Powder Coating
- Reflector AL. Spinning Processing
- Wire STS
- Lamp & Socket
 - Dulux-D 26Wx2 _G24d-3
 - Dulux-D/E 26Wx2 _G24q-3

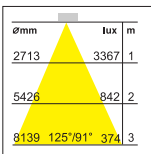
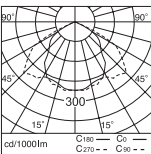
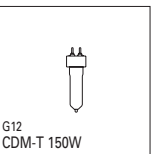
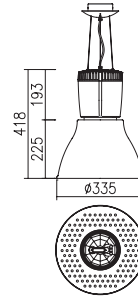


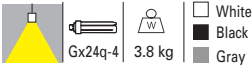
Installation Instruction
** For Special orders, please make inquiries us.

DP-50210

| Direct Light Pendant |

- Housing AL. Spinning Processing, Electrostatic Powder Coating
- Housing Cover Punched Steel Plate, Electrostatic Powder Coating
- Gear Box AL. Die-Casting, Electrostatic Powder Coating
- Reflector AL. Anodized Embossing Silver or Gold
- Accessory Glass Lens _Clear Tempered Glass
- Wire STS
- Lamp & Socket
 - Horizontal mounting
 - CDM-T, HCI-T 35W, 70W, 150W _G12



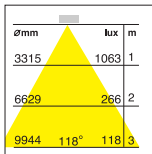
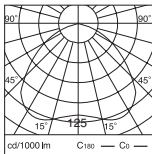
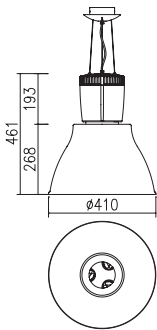


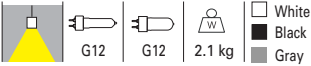
Installation Instruction
** For Special orders, please make inquiries us.

DP-50220

I Direct Light Pendant I

Housing	AL. Spinning Processing, Electrostatic Powder Coating
Housing Cover	Acryl Plate
Gear Box	AL. Die-Casting, Electrostatic Powder Coating
Reflector	AL. Spinning Processing
Wire	STS
Lamp & Socket	Dulux-T/E 42W x 3 _ GX24q-4



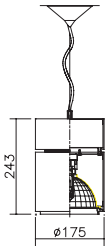


Installation Instruction
 ** For Special orders, please make inquiries us.

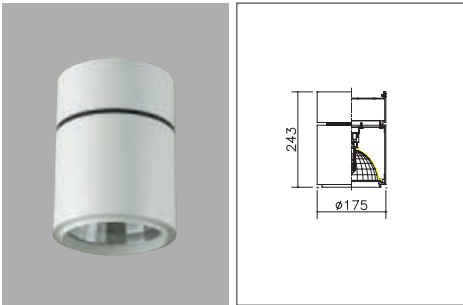
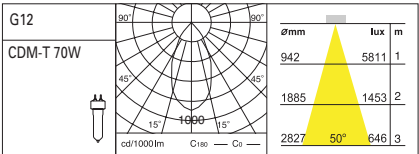
DP-50250 series

I Direct Light Pendant I

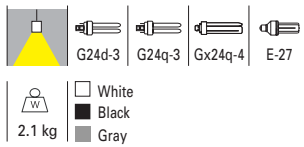
Housing	AL. Extrude, Electrostatic Powder Coating
Housing Cover	AL. Die-Casting, Electrostatic Powder Coating
Gear Box	AL. Extrude, Electrostatic Powder Coating
Reflector	AL. Anodized Specular Silver Square
Accessory	Glass Lens : Clear Tempered Glass
Wire	STS
Lamp & Socket	CDM-T, HCI-T 35W, 70W _ G12 HQI-T 70W _ G12



DP-50250	CDM-T, HCI-T 35W, 70W
DP-50251	HQI-T 70W



DP-50250-02 Cylinder
 : Surface Mounted Downlight



Installation Instruction

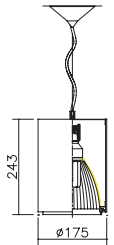
**** For Special orders, please make inquires us.**

DP-50260 series

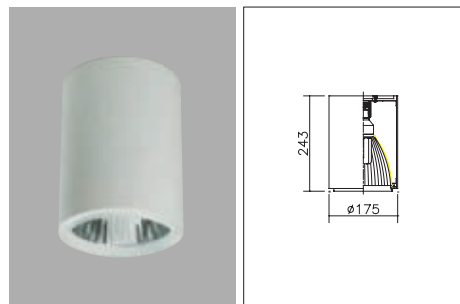
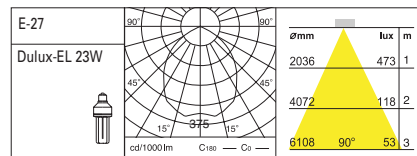
| Direct Light Pendant |

Housing : AL. Extrude, Electrostatic Powder Coating
Housing Cover : AL. Die-Casting, Electrostatic Powder Coating
Gear Box : AL. Extrude, Electrostatic Powder Coating
Reflector : AL. Anodized Specular Silver Square
Wire : STS

Lamp & Socket : Dulux-D 26W _G24d-3
Dulux-D/E 26W _G24q-3
Dulux-T/E 42W _GX24q-4
Dulux EL 23W _E-27



DP-50260	Dulux-D 26W, Dulux-D/E 26W
DP-50261	Dulux-T/E 42W
DP-50262	Dulux EL 23W



DP-50260-02 Cylinder
: Surface Mounted Downlight





DP-52040



DP-52050



DP-52060



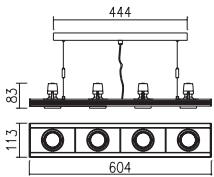
Installation Instruction
** For Special orders, please make inquiries us.

DP-52040 series

| Direct Light Pendant |

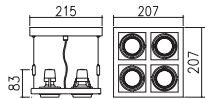
Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	Halopar16 220V /50W _GZ10

DP-52040 Halopar 16



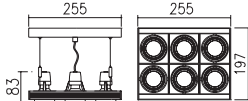
 Weight : 1.8kg

DP-52050 Halopar 16

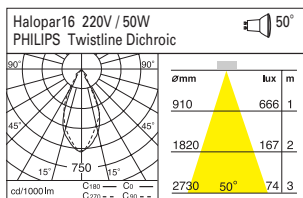
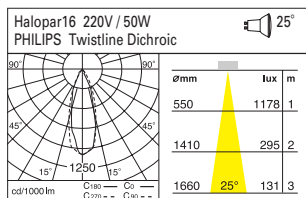
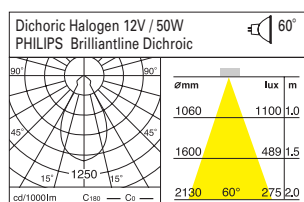
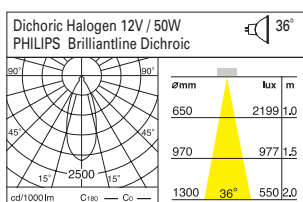
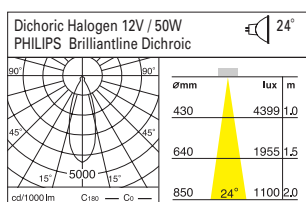


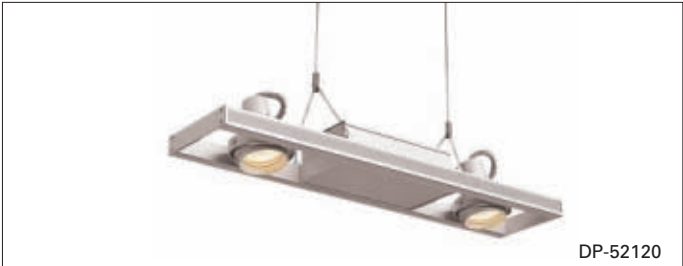
 Weight : 1.8kg

DP-52060 Halopar 16



 Weight : 2.2kg





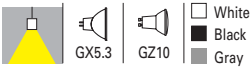
DP-52120



DP-52140



DP-52160



Installation Instruction

** For Special orders, please make inquiries us.

DP-52120 series

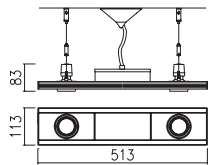
| Direct Light Pendant |

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
Gear Box	Steel, Electrostatic Powder Coating
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS

Lamp & Socket	Dichroic Halogen 12V /50W _GX5.3
	Halopar16 220V /50W _GZ10

DP-52120 Dichroic Halogen

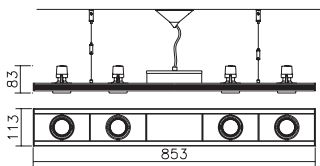
DP-52121 Halopar 16



Weight : 1.8kg

DP-52140 Dichroic Halogen

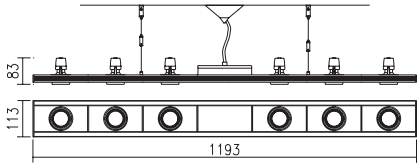
DP-52141 Halopar 16



Weight : 2.0kg

DP-52160 Dichroic Halogen

DP-52161 Halopar 16



Weight : 2.4kg



DP-54020 series

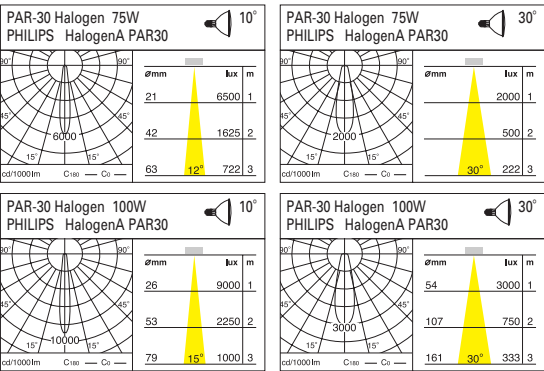
I Direct Light Pendant I



Installation Instruction

** For Special orders, please make inquiries us.

Frame	AL. Extrude, Electrostatic Powder Coating		
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating		
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating		
	Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)		
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)		
Gear Box	Steel Plate, Electrostatic Powder Coating		
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass		
Surface Mounting Base	Steel, Electrostatic Powder Coating		
Wire	STS		
Lamp & Socket	Halogen-pin	12V/50W, 75W, 100W	_GY6.35
	CDM-TC	35W, 70W	_G8.5
	PAR-30 Halogen	220V/75W, 100W	_E-27



ACCESSORIES (explanations on page 180)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass

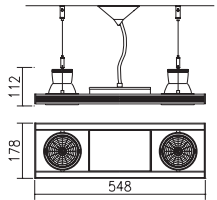
REFLECTOR (explanations on page 181)
PHOTOMERIC DATA (explanations on page 181)



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



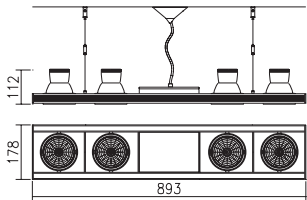
- DP-54020 Halogen-pin
- DP-54021 CDM-TC
- DP-54022 PAR-30 Halogen



Weight : 2.6 kg



- DP-54040 Halogen-pin
- DP-54041 CDM-TC
- DP-54042 PAR-30 Halogen



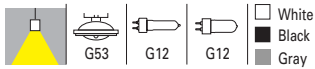
Weight : 3.2 kg





DP-54120 series

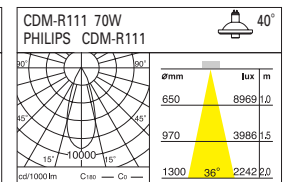
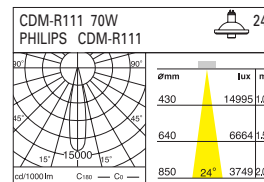
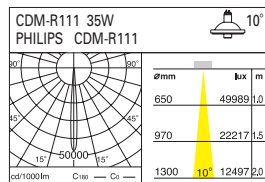
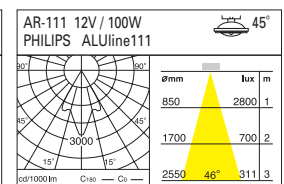
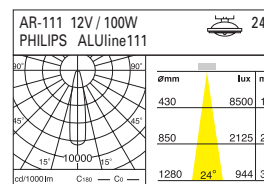
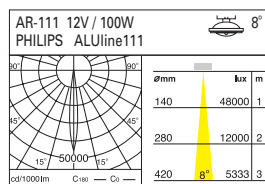
I Direct Light Pendant I



Installation Instruction

** For Special orders, please make inquires us.

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^\circ$)
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)
Gear Box	Steel Plate, Electrostatic Powder Coating
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	AR-111 12V/50W, 75W, 100W _G53 CDM-T, HCI-T 35W, 70W _G12 HQL-T 70W _G12



ACCESSORIES (explanations on page 166)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempered Glass (+ Lamp Cap)

REFLECTOR (explanations on page 166~167)

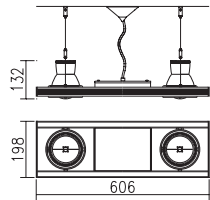
PHOTOMERIC DATA (explanations on page 166~167)



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



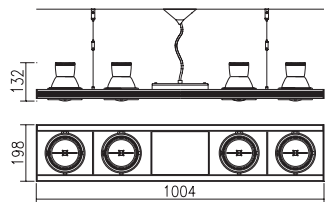
- DP-54120 AR-111 Halogen
- DP-54121 CDM-T, HCI-T
- DP-54122 HQI-T



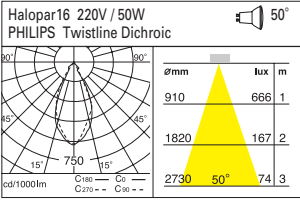
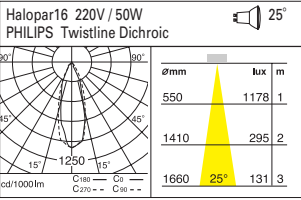
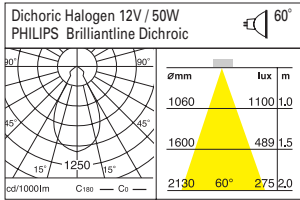
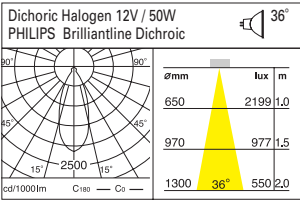
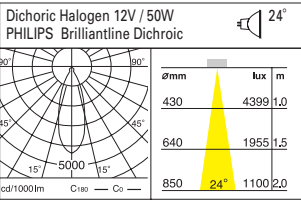
 Weight : 3.2 kg



- DP-54140 AR-111 Halogen
- DP-54141 CDM-T, HCI-T
- DP-54142 HQI-T



 Weight : 3.7 kg





DP-56020

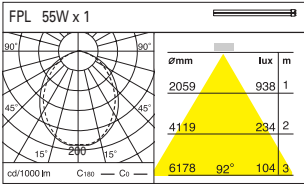
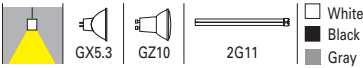


DP-56040

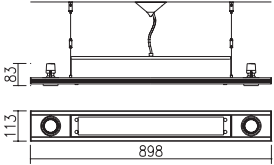
DP-56020 series

I Direct Light Pendant I

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt ∠25°)
Reflector	AL. Mirror Plate (for Fluorescent Lamp)
Gear Box	Steel Plate, Electrostatic Powder Coating
Accessory	Glass Lens _Frosted Tempered Glass (for Fluorescent Lamp)
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	Dichroic Halogen 12V /50W _GX5.3 Halopar16 220V /50W _GZ10 FPL 55W _2G11

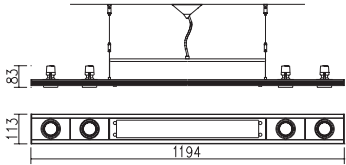


DP-56020	Dichroic Halogen / FPL
DP-56021	Halopar 16 / FPL



Weight : 4.6 kg

DP-56040	Dichroic Halogen / FPL
DP-56041	Halopar 16 / FPL



Weight : 5.4 kg



DP-58020 series

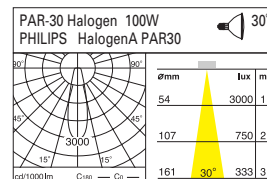
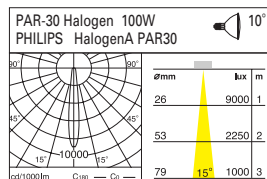
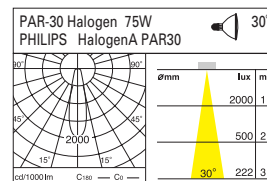
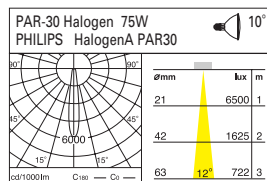
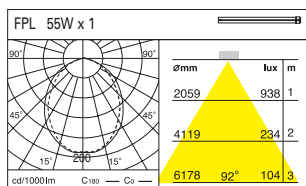
I Direct Light Pendant I



Installation Instruction

** For Special orders, please make inquiries us.

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^\circ$)
Reflector	for HID Lamp & Halogen-pin Lamp Narrow Reflector _AL. Anodized Specular Silver Square Medium Reflector _AL. Anodized Specular Silver Square Wide Reflector _AL. Anodized Specular Silver Embossing with Etching for Fluorescent Lamp AL. Mirror Plate
Gear Box	Steel Plate, Electrostatic Powder Coating
Accessory	for HID Lamp & Halogen-pin Lamp Clear Tempered Glass, Frosted Tempered Glass for Fluorescent Lamp Frosted Tempered Glass
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-TC 35W, 70W _ G8.5 PAR-30 Halogen 220V/75W, 100W _ E-27 FPL 55W _ 2G11



ACCESSORIES (explanations on page 180)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass

REFLECTOR (explanations on page 181)

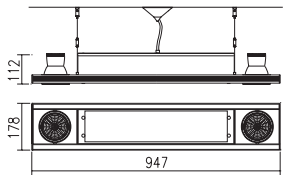
PHOTOMERIC DATA (explanations on page 181)



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



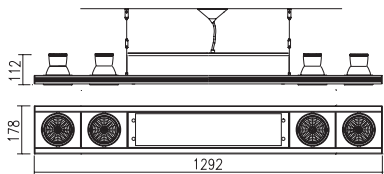
- DP-58020 Halogen-pin / FPL
- DP-58021 CDM-TC / FPL
- DP-58022 PAR-30 Halogen / FPL



 Weight : 5.4 kg



- DP-58040 Halogen-pin / FPL
- DP-58041 CDM-TC / FPL
- DP-58042 PAR-30 Halogen / FPL

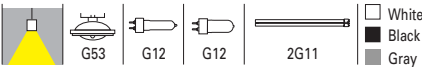


 Weight : 6.5 kg



DP-58120 series

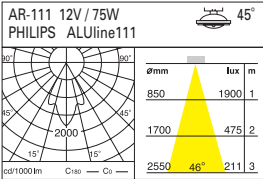
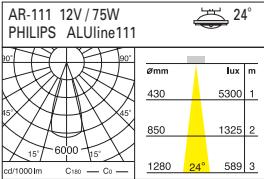
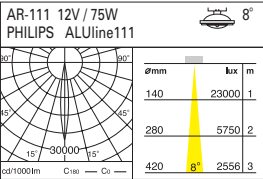
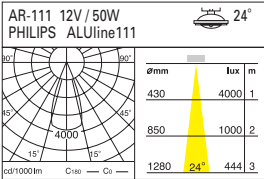
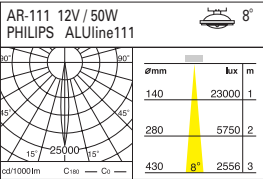
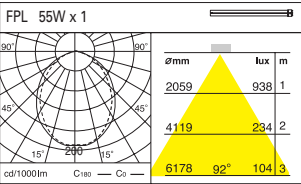
I Direct Light Pendant I



Installation Instruction

** For Special orders, please make inquiries us.

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
Reflector	for HID Lamp Narrow Reflector : AL. Anodized Specular Silver Valley Medium Reflector 1 : AL. Anodized Specular Silver Square Medium Reflector 2 : AL. Anodized Specular Silver Square with Embossing Wide Reflector : AL. Anodized Specular Silver Square with Etching for Fluorescent Lamp AL. Mirror Plate
Gear Box	Steel Plate, Electrostatic Powder Coating
Accessory	for HID Lamp & Halogen-pin Lamp Clear Tempered Glass, Frosted Tempered Glass for Fluorescent Lamp Frosted Tempered Glass
Surface Mounting Base	Steel, Electrostatic Powder Coating
Wire	STS
Lamp & Socket	AR-111 12V/50W, 75W, 100W _G53 CDM-T, HCI-T 35W, 70W _G12 HQI-T 70W _G12 FPL 55W _2G11



ACCESSORIES (explanations on page 166)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)

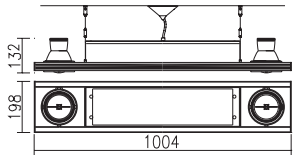
REFLECTOR (explanations on page 166~167)
PHOTOMERIC DATA (explanations on page 166~167)



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



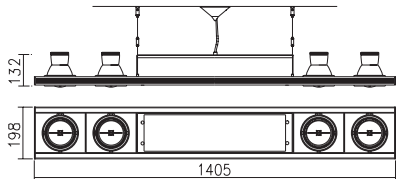
- DP-58120 AR-111 Halogen / FPL
- DP-58121 CDM-T, HCI-T / FPL
- DP-58122 HQI-T / FPL



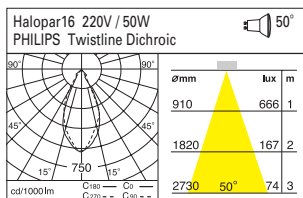
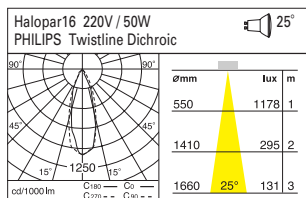
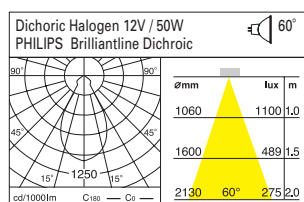
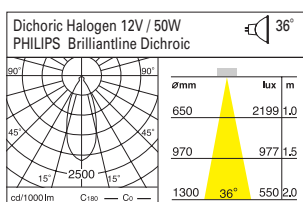
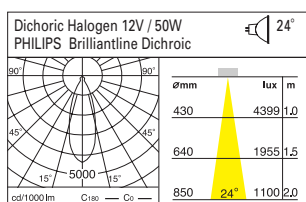
 Weight : 5.9 kg

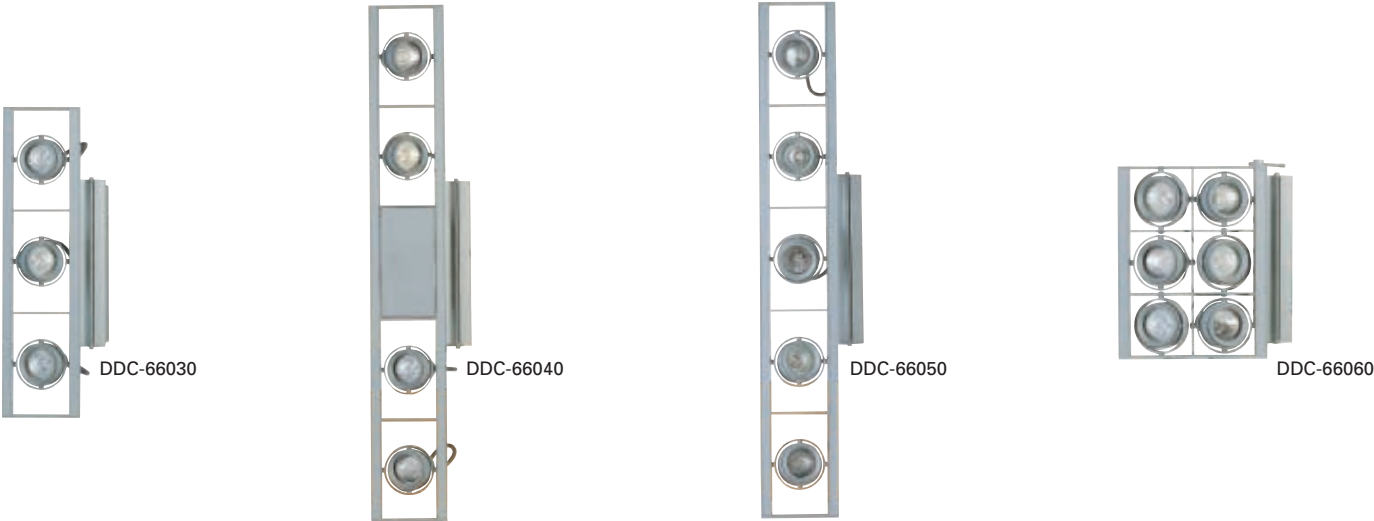


- DP-58140 AR-111 Halogen / FPL
- DP-58141 CDM-T, HCI-T / FPL
- DP-58142 HQI-T / FPL



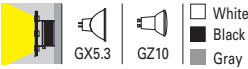
 Weight : 7.0 kg





DDC-66030 series

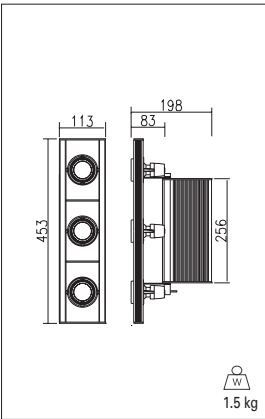
I Direct Light Wall Bracket I



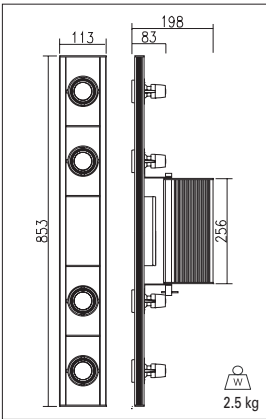
** For Special orders, please make inquiries us.

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
Gear Box (DDC-66040)	Steel Plate & AL. Extrude, Electrostatic Powder Coating
Surface Mounting Base	AL. Extrude, Electrostatic Powder Coating
Lamp & Socket	Dichroic Halogen 12V /50W _GX5.3 Halopar16 220V /50W _GZ10

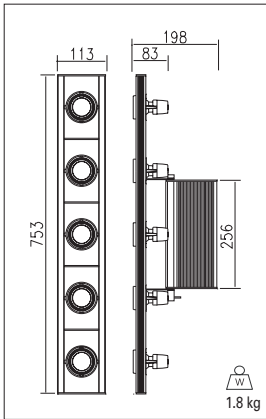
DDC-66030 Halopar 16



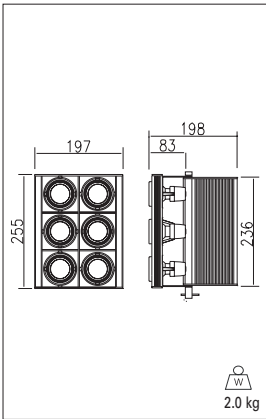
DDC-66040 Dichroic Halogen
DDC-66041 Halopar 16



DDC-66050 Halopar 16



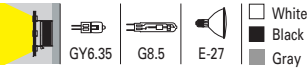
DDC-66060 Halopar 16





DDC-68040 series

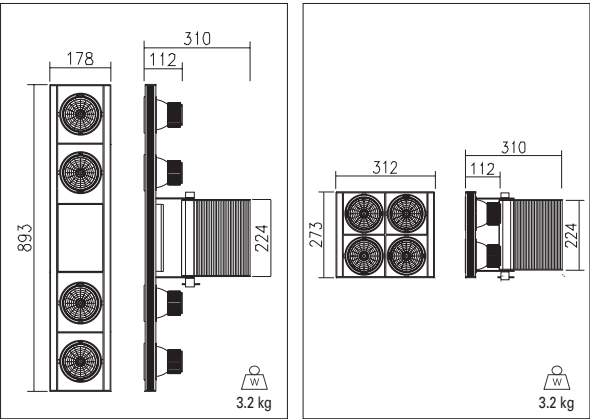
I Direct Light Wall Bracket I



** For Special orders, please make inquiries us.

Frame	AL. Extrude, Electrostatic Powder Coating
Lamp Housing	AL. Die-Casting, Electrostatic Powder Coating
Adjustable Ring	AL. Die-Casting, Electrostatic Powder Coating Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
Reflector	AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)
Accessory	Glass Lens _Clear Tempered Glass, Frosted Tempered Glass
Gear Box	AL. Extrude, Electrostatic Powder Coating
Surface Mounting Base	AL. Extrude, Electrostatic Powder Coating
Lamp & Socket	Halogen-pin 12V/50W, 75W, 100W _ GY6.35 CDM-TC 35W _ G8.5 PAR-30Halogen 220V/ 75W, 100W _ E-27

DDC-68040	Halogen-pin	DDC-68050	Halogen-pin
DDC-68041	CDM-TC	DDC-68051	CDM-TC
DDC-68042	PAR-30 Halogen	DDC-68052	PAR-30 Halogen



ACCESSORIES (explanations on page 180)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass

REFLECTOR (explanations on page 181)
PHOTOMERIC DATA (explanations on page 181)



Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data

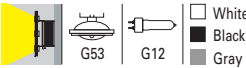
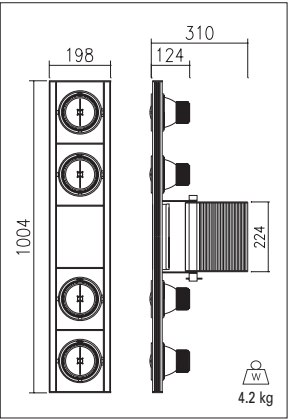


DDC-68140 series

I Direct Light Wall Bracket I

- Frame
- AL. Extrude, Electrostatic Powder Coating
- Lamp Housing
- AL. Die-Casting, Electrostatic Powder Coating
- Adjustable Ring
- AL. Die-Casting, Electrostatic Powder Coating
- Adjustable Angle (Both Rings Tilt $\angle 25^{\circ}$)
- Reflector
- AL. Anodized Specular Silver (Narrow, Medium, Wide Beam)
- Accessory
- Glass Lens _Clear Tempered Glass, Frosted Tempered Glass
- Gear Box
- AL. Extrude, Electrostatic Powder Coating
- Surface Mounting Base
- AL. Extrude, Electrostatic Powder Coating
- Lamp & Socket
- AR-111 12V/ 50W, 75W,100W _ G53
- CDM-T, HCI-T 35W, 70W _ G12

- DDC-68140 AR-111 Halogen
- DDC-68141 CDM-T, HCI-T



ACCESSORIES (explanations on page 166)

Glass Lens : Clear Tempered Glass, Frosted Tempered Glass, Clear Tempred Glass (+ Lamp Cap)

REFLECTOR (explanations on page 166~167)
PHOTOMERIC DATA (explanations on page 166~167)

Reflector : Narrow Reflector, Medium Reflector, Wide Reflector
Photometric Data



DF-79010 Series

FLOOD LIGHT



DF-48110/ 48160 series

These fixtures are round shape garden light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability.

DF-79010, 79030 Series

These fixtures are round shape flood light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability. These series have an angle sign to easy to show tilt angle and assembling projection on the covers to attach accessories.



DF-48110

Flood Light

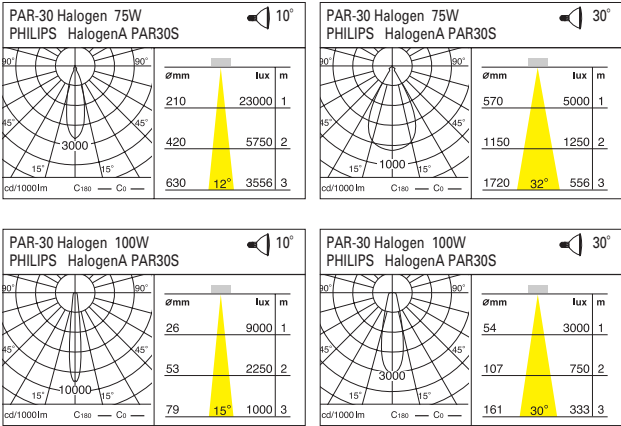
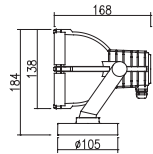
- Housing : AL. Die-Casting, Electrostatic Powder Coating
- Anchor Base : AL. Extrude, Electrostatic Powder Coating
- Accessory : Glass Lens _Clear Tempered Glass
- Fixed Hood _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Louver _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Component : Peg _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Flange _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Mounting Option : Horizontal Surface Mounting
- Wall/ Vertical Surface Mounting
- Concrete Base Mounting
- Stanchion Mounting

Lamp & Socket : PAR-30 75W, 100W _E-27

IP65

E-27

- ☐ Light Gray
- ☒ Black
- ☐ DarkGray

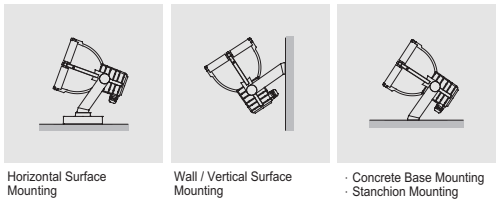


Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquire us.



Examples



Horizontal Surface Mounting

Wall / Vertical Surface Mounting

- Concrete Base Mounting
- Stanchion Mounting

Accessories



Glass Lens

- Clear Tempered Glass

Fixed Hood

- AL. Die-Casting
- Light Gray, Black, Dark Gray

Louver

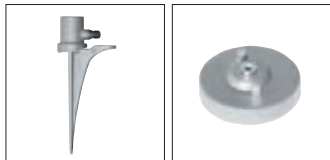
- AL. Die-Casting
- Light Gray, Black, Dark Gray



Hood Type

Louver Type

Component



Peg

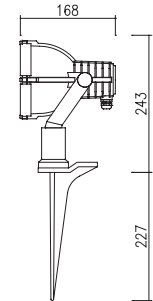
- AL. Die-Casting
- Light Gray, Black, Dark Gray

Flange

- AL. Die-Casting
- Light Gray, Black, Dark Gray



- ☐ Light Gray
- ☒ Black
- ☐ DarkGray

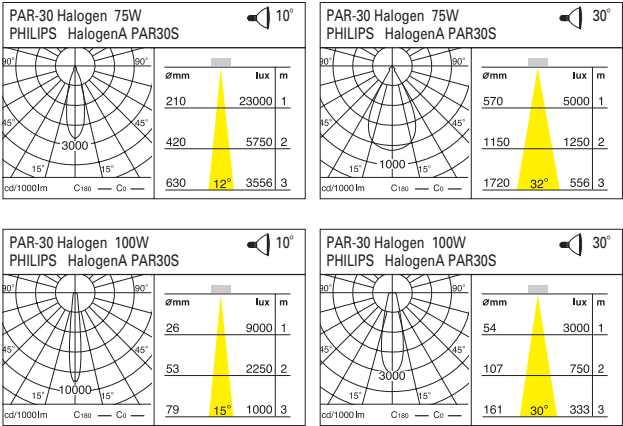


DF-48120

Flood Light

- Housing : AL. Die-Casting, Electrostatic Powder Coating
- Anchor Base : AL. Extrude, Electrostatic Powder Coating
- Accessory : Glass Lens _Clear Tempered Glass
- Fixed Hood _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Louver _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Component : Peg _AL. Die-Casting (Light Gray, Black, Dark Gray)
- Mounting Option : Peg Mounting

Lamp & Socket : PAR-30 75W, 100W _E-27



- Notes**
- We provide the mounting accessories only shown by component.
 - For special orders, please make inquires us.



DF-48130

Flood Light

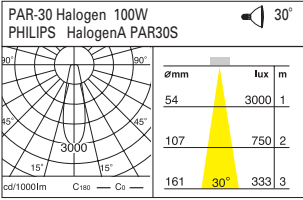
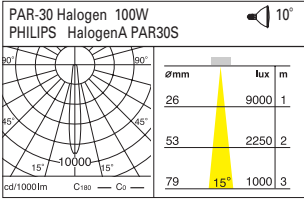
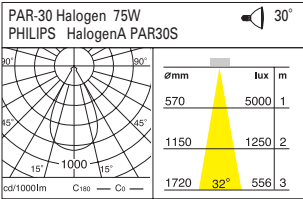
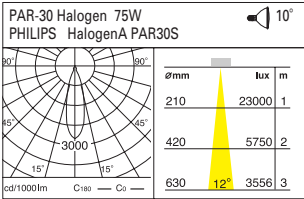
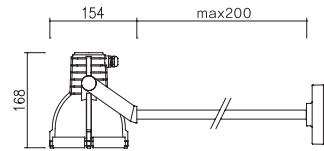
- Housing : AL. Die-Casting, Electrostatic Powder Coating
Anchor Base : AL. Extrude, Electrostatic Powder Coating
Pipe : Steel, Electrostatic Powder Coating
Accessory : Glass Lens _Clear Tempered Glass
Fixed Hood _AL. Die-Casting (Light Gray, Black, Dark Gray)
Louver _AL. Die-Casting (Light Gray, Black, Dark Gray)
Component : Flange _AL. Die-Casting (Light Gray, Black, Dark Gray)
Mounting Option : Wall/ Vertical Surface Mounting

Lamp & Socket : PAR-30 75W, 100W _E-27

IP65

E-27

- ☐ Light Gray
☐ Black
☐ DarkGray

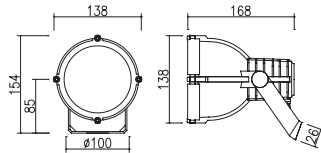


Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquires us.



☐ Light Gray
☒ Black
☐ DarkGray

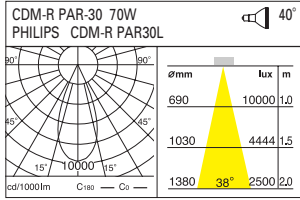
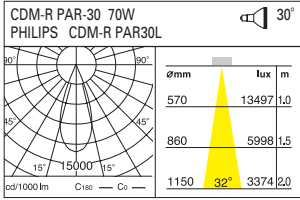
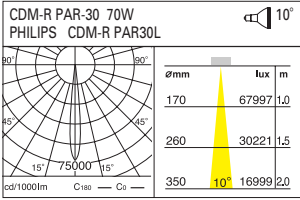
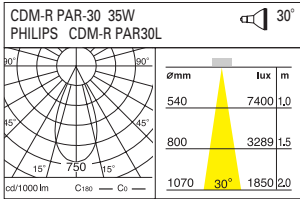
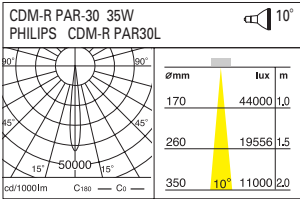


DF-48160

Flood Light

Housing : AL. Die-Casting, Electrostatic Powder Coating
 Anchor Base : AL. Extrude, Electrostatic Powder Coating
 Accessory : Glass Lens _Clear Tempered Glass
 Fixed Hood _AL. Die-Casting (Light Gray, Black, Dark Gray)
 Louver _AL. Die-Casting (Light Gray, Black, Dark Gray)
 Component : Peg _AL. Die-Casting (Light Gray, Black, Dark Gray)
 Wall Embedment Bracket-01 : Steel (Light Gray, Black, Dark Gray)
 Wall Embedment Bracket-03 : Steel (Light Gray, Black, Dark Gray)
 Mounting Option : Horizontal Surface Mounting
 Wall/ Vertical Surface Mounting
 Surface Mounting
 Peg Mounting
 Pole Mounting

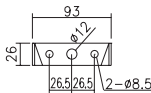
Lamp & Socket : CDM-R PAR-30 35W,70W _E-27



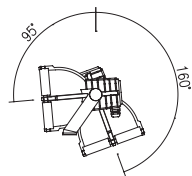
Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries.

Anchor Base

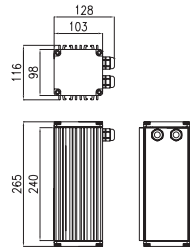


Adjustment Possibilities



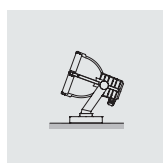
Gear Box-01

Body : AL. Extrude, Electrostatic Powder Coating
 Cover : AL. Die-Casting, Electrostatic Powder Coating

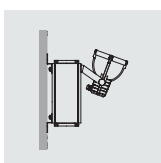




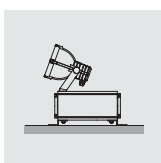
Examples



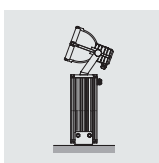
DF-48160-01
Horizontal Surface
Mounting



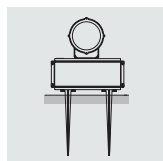
DF-48160-02
Wall / Vertical Surface
Mounting



DF-48160-02
Surface Mounting



DF-48160-03
Surface Mounting



DF-48160-05
Peg Mounting



DF-48160-Pole type
Pole Mounting



Hood Type



Louver Type

Accessories



Glass Lens
- Clear Tempered Glass



Fixed Hood
- AL. Die-Casting
- Light Gray, Black, Dark Gray

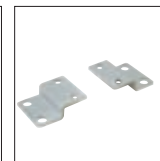


Louver
- AL. Die-Casting
- Light Gray, Black, Dark Gray

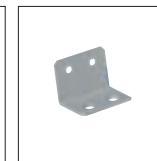
Component



Peg
- AL. Die-Casting
- Light Gray, Black, Dark Gray



Wall Embedment Bracket-01
- Steel
- Light Gray, Black, Dark Gray



Wall Embedment Bracket-03
Steel - Light Gray, Black,
Dark Gray



DF-79010

Flood Light

Housing : AL. Die-Casting, Electrostatic Powder Coating

Gear Box-01 : AL. Extrude, Electrostatic Powder Coating

Anchor Base : AL. Extrude, Electrostatic Powder Coating

Reflector : Narrow Beam _AL. Anodized Specular Silver Valley

Medium Beam _AL. Anodized Specular Silver Sanding

Accessory : Glass Lens _Clear Tempered Glass

Fixed Hood _Steel (Light Gray, Black, Dark Gray)

Louver _Steel (Black only)

Component : Peg _AL. Die-Casting (Light Gray, Black, Dark Gray)

Flange _AL. Die-Casting (Light Gray, Black, Dark Gray)

Wall Embedment Bracket-01 : Steel (Light Gray, Black, Dark Gray)

Wall Embedment Bracket-02 : Steel (Light Gray, Black, Dark Gray)

Mounting Option : Horizontal Surface Mounting

Wall/ Vertical Surface Mounting

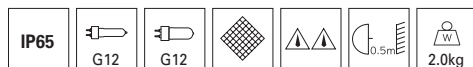
Surface Mounting

Peg Mounting

Pole Mounting

Lamp & Socket : CDM-T, HCI-T 35W,70W,150W _G12

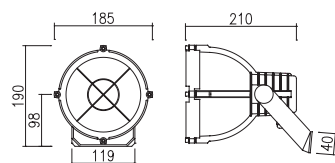
HQI-T 70W,150W _G12



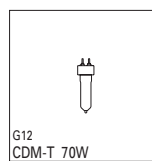
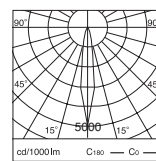
□ Light Gray

■ Black

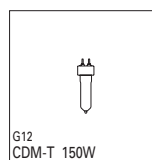
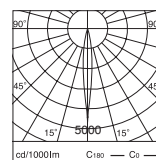
■ DarkGray



Narrow Beam

G12
CDM-T 70W

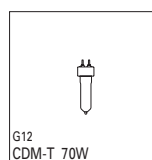
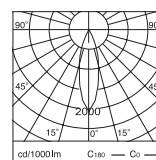
Beam Diameter (mm)	Beam Length (m)	Beam Angle (°)
183	32948	1
365	8237	2
548	3661	3
730	2059	4
913	1318	5

G12
CDM-T 150W

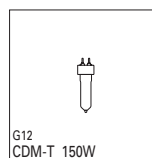
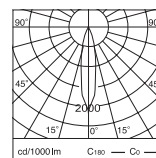
Beam Diameter (mm)	Beam Length (m)	Beam Angle (°)
162	56243	1
324	14061	2
486	6249	3
648	3515	4
810	2250	5



Medium Beam

G12
CDM-T 70W

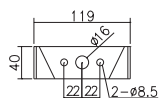
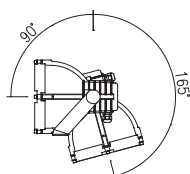
Beam Diameter (mm)	Beam Length (m)	Beam Angle (°)
441	14047	1
882	3512	2
1324	1561	3
1765	878	4
2206	562	5

G12
CDM-T 150W

Beam Diameter (mm)	Beam Length (m)	Beam Angle (°)
342	26525	1
685	6631	2
1027	2947	3
1369	1658	4
1711	1061	5

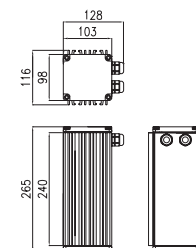
Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

Anchor Base**Adjustment Possibilities****Gear Box-01**

Body : AL. Extrude, Electrostatic Powder Coating

Cover : AL. Die-Casting, Electrostatic Powder Coating





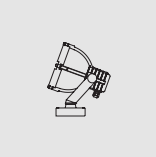
The Angle Adjustment
- Locking teeth providing 10° adjustment intervals
- Angle lock is available

Hood Type
- Reduce Glare
- Giving direction

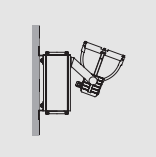
Louver Type
- Reduce Glare
- Giving direction



Examples



DF-79010-01
Horizontal Surface Mounting



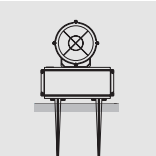
DF-79010-02
Wall / Vertical Surface Mounting



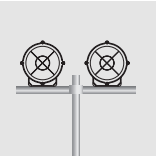
DF-79010-02
Surface Mounting



DF-79010-03
Surface Mounting



DF-79010-05
Peg Mounting



DF-79010-Pole type
Pole Mounting



Hood Type



Louver Type

Accessories



Glass Lens
- Clear Tempered Glass



Fixed Hood
- Steel Plate
- Light Gray, Black, Dark Gray



Louver
- Steel
- Black only

Component



Peg
- AL, Die-Casting
- Light Gray, Black, Dark Gray



Flange
- AL, Die-Casting
- Light Gray, Black, Dark Gray



Wall Embedment Bracket-01
- Steel
- Light Gray, Black, Dark Gray



Wall Embedment Bracket-02
- Steel
- Light Gray, Black, Dark Gray



IP65	E-40						
				1.0m	6.2kg	Light Gray	Black
							DarkGray

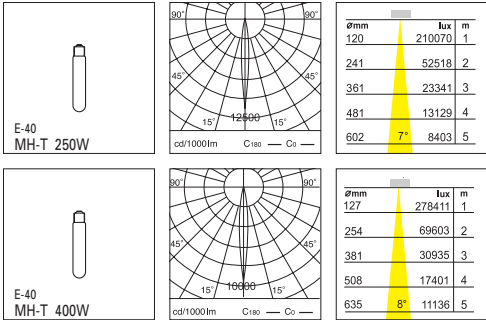
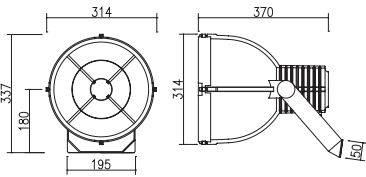


DF-79030

Flood Light

- Housing : AL. Die-Casting, Electrostatic Powder Coating
 Gear Box-02 : AL. Extrude, Electrostatic Powder Coating
 Anchor Base : AL. Extrude, Electrostatic Powder Coating
 Reflector : AL. Anodized Specular Silver
 Accessory : Glass Lens _Clear Tempered Glass
 Fixed Hood _Steel (Light Gray, Black, Dark Gray)
 Louver _Steel (Black only)
 Component : Peg _AL. Die-Casting (Light Gray, Black, Dark Gray)
 Flange _AL. Die-Casting (Light Gray, Black, Dark Gray)
 Wall Embedment Bracket-01 : Steel (Light Gray, Black, Dark Gray)
 Mounting Option : Wall/ Vertical Surface Mounting
 Surface Mounting
 Peg Mounting
 Pole Mounting

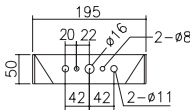
Lamp & Socket : MH-T 175W, 250W, 400W _E-40
 NAV-T 150W, 250W _E-40



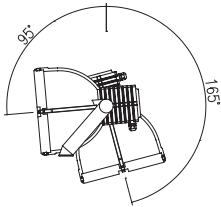
Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

Anchor Base

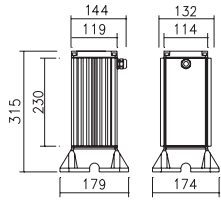


Adjustment Possibilities

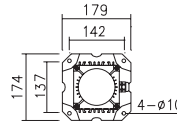


Gear Box-02

- Body : AL. Extrude, Electrostatic Powder Coating
 Cover : AL. Die-Casting, Electrostatic Powder Coating



Gear Box Anchor Base





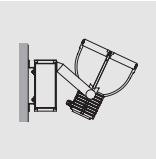
The Angle Adjustment
- Locking teeth providing 10° adjustment intervals
- Angle lock is available

Hood Type
- Reduce Glare
- Giving direction

Louver Type
- Reduce Glare
- Giving direction



Examples



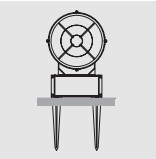
DF-79030-02
Wall / Vertical Surface
Mounting



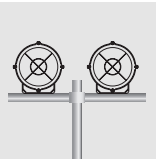
DF-79030-02
Surface Mounting



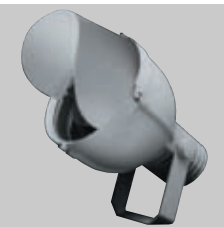
DF-79030-03
Surface Mounting



DF-79030-05
Peg Mounting



DF-79030-Pole type
Pole Mounting



Hood Type



Louver Type

Accessories



Glass Lens
- Clear Tempered Glass



Fixed Hood
- Steel Plate
- Light Gray, Black, Dark Gray



Louver
- Steel
- Black only

Component



Peg
- AL, Die-Casting
- Light Gray, Black, Dark Gray



Flange
- AL, Die-Casting
- Light Gray, Black, Dark Gray



Wall Embedment Bracket-01
- Steel
- Light Gray, Black, Dark Gray



DF-79120 Series

FLOOD LIGHT



These fixtures are square shape flood light is for straight type metal lamp.

DF-79120, 79130

These fixtures are square shape flood light is for straight type metal lamp. Simple and solid, AL. Die-casting body is light and has great durability. These series have an angle sign to easy to show tilt angle and assembling projection on the covers to attach accessories.



Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

*Only use **Electronic Ballast**

*Only install **under canopy**

DF-79120

Flood Light

Housing : AL. Die-Casting, Electrostatic Powder Coating

Gear Box : AL. Die-Casting, Electrostatic Powder Coating

Anchor Base : AL. Die-Casting, Electrostatic Powder Coating

Reflector : AL. Anodized Embossing

Accessory : Glass Lens _Clear Tempered Glass

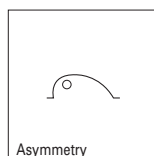
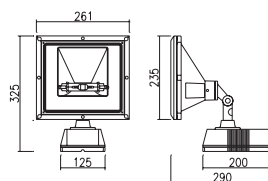
Fixed Hood _Steel (Light Gray, Black, Dark Gray)

Louver _Steel (Black only)

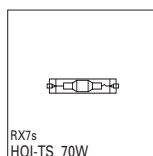
Mounting Option : Horizontal Surface Mounting

Wall/ Vertical Surface Mounting

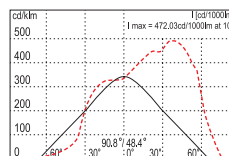
Lamp & Socket : HQI-TS, HCI-TS, CDM-TD, NAV-TS 70W _RX7s



Asymmetry



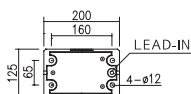
RX7s
HQI-TS 70W



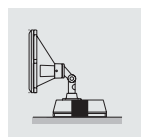
Beam Angle	Beam Diameter (mm)	Beam Area (m²)	Beam Flux (lux)
30°	1928	1774	1
48.4°	3856	444	2
60°	5785	197	3
77.13°	7713	111	4
95.41°	9541	71	5

c180 — c0
c270 - - c90

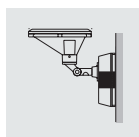
Anchor Base



Examples



Horizontal Surface
Mounting

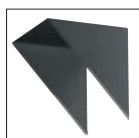


Wall / Vertical Surface
Mounting

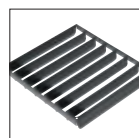
Accessories



Glass Lens
Clear Tempered Glass

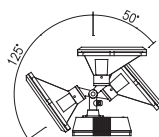


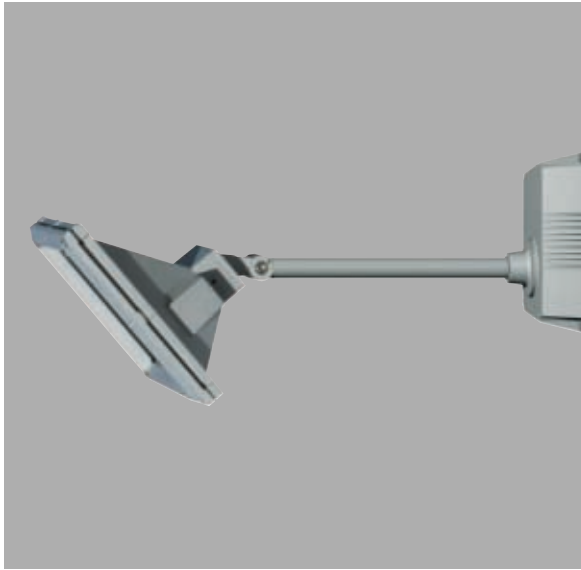
Fixed Hood
Steel - Light Gray, Black,
Dark Gray



Louver
Steel - Black only

Adjustment Possibilities



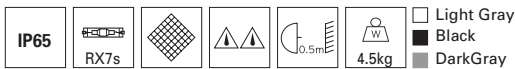


DF-79130

Flood Light

Housing : AL. Die-Casting, Electrostatic Powder Coating
 Gear Box : AL. Die-Casting, Electrostatic Powder Coating
 Anchor Base : AL. Die-Casting, Electrostatic Powder Coating
 Reflector : AL. Anodized Embossing
 Pipe : Aluminium (Length : Order Base)
 Accessory : Glass Lens _Clear Tempered Glass
 Fixed Hood _Steel (Light Gray, Black, Dark Gray)
 Louver _Steel (Black only)
 Mounting Option : Wall/ Vertical Surface Mounting

Lamp & Socket : HQI-TS, HCI-TS, CDM-TD, NAV-TS 70W _RX7s

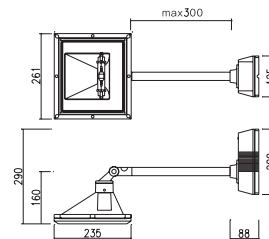


Notes

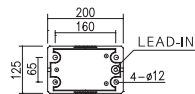
- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

*Only use **Electronic Ballast**

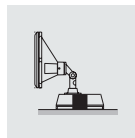
*Only install **under canopy**



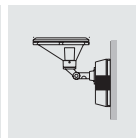
Anchor Base



Examples



Horizontal Surface
Mounting

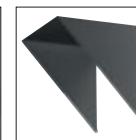


Wall / Vertical Surface
Mounting

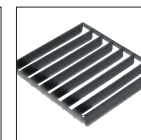
Accessories



Glass Lens
Clear Tempered Glass

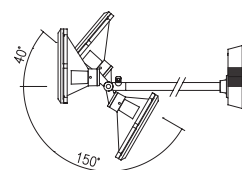


Fixed Hood
Steel - Light Gray, Black,
Dark Gray



Louver
Steel - Black only

Adjustment Possibilities





DF-79200 Series

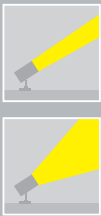
FLOOD LIGHT



These fixtures are round shape flood light including ballast in the body. Easy installation and convenient maintenance.

DF-79200, 79220 Series

These fixtures are round shape flood light including ballast in the body. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability. These series have an angle sign to easily show tilt angle and assembling projection on the covers to attach accessories.



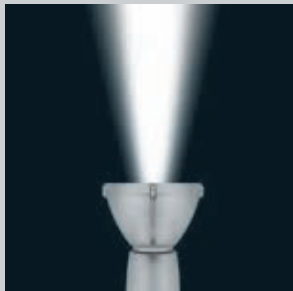
Narrow Reflector
Angle : $\angle 10^\circ$



Medium Reflector
Angle : $\angle 20^\circ \sim 30^\circ$



Narrow Reflector
Angle : $\angle 10^\circ$

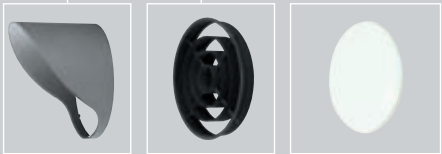


Medium Reflector
Angle : $\angle 20^\circ \sim 30^\circ$

DF-79200 p.280



DF-79220 p.282





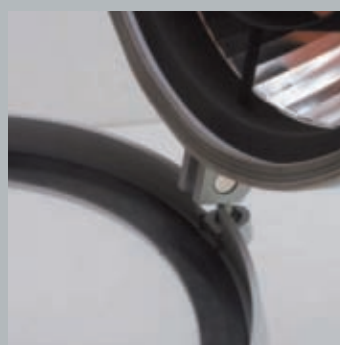
The angle adjustment

- Locking teeth providing 10° adjustment intervals
- Angle lock is available



Safe Connection

- Folder type opening and closing cover



**DF-79200****Flood Light**

Housing : AL. Die-Casting, Electrostatic Powder Coating

Gear Box : AL. Die-Casting , Electrostatic Powder Coating

Reflector : Narrow Beam _AL. Anodized Specular Silver Valley

Medium Beam _AL. Anodized Specular Silver Sanding

Anchor Base : AL. Extrude, Electrostatic Powder Coating

Accessory : Glass Lens _Clear Tempered Glass

Fixed Hood _Steel Plate (Light Gray, Black, Dark Gray)

Louver _Steel (Black only)

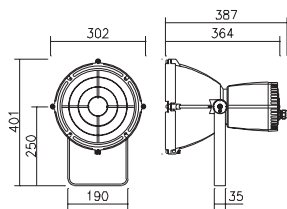
Mounting Options : Wall / Vertical Surface Mounting

Concrete Base Mounting

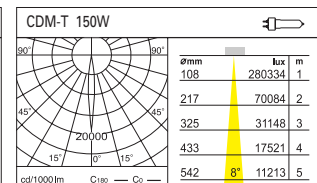
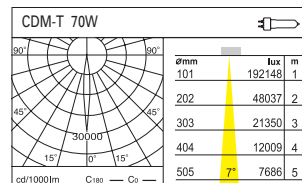
Stanchion Mounting

Pole Mounting

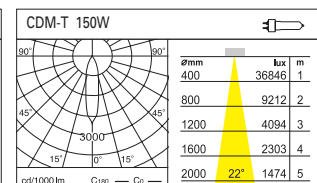
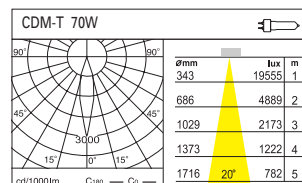
Lamp & Socket : CDM-T 70W, 150W _ G12



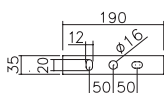
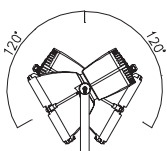
Narrow Beam
including Louver



Medium Beam
excluding Louver

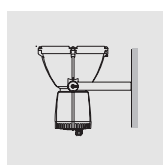
**Notes**

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

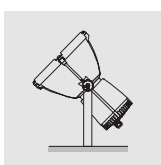
Anchor Base**Adjustment Possibilities**



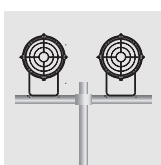
Examples



Wall / Vertical
Surface Mounting



Concrete Base Mounting
Stanchion Mounting



Pole Mounting



Hood Type



Louver Type

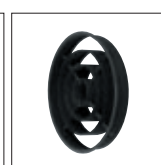
Accessories



Glass Lens
- Clear Tempered Glass



Hood
- Steel Plate
- Black only



Louver
- Steel
- Black only



DF-79220

Flood Light

- Housing : AL. Die-Casting, Electrostatic Powder Coating
- Gear Box : AL. Die-Casting , Electrostatic Powder Coating
- Reflector : Narrow Beam _AL. Anodized Specular Silver Valley
Medium Beam _AL. Anodized Specular Silver Sanding
- Anchor Base : AL. Extrude, Electrostatic Powder Coating
- Accessory : Glass Lens _Clear Tempered Glass
Fixed Hood _Steel Plate (Light Gray, Black, Dark Gray)
Louver _Steel (Black only)
- Mounting Options : Wall / Vertical Surface Mounting
Concrete Base Mounting
Stanchion Mounting
Pole Mounting

Lamp & Socket : CDM-T 250W _ G12

IP65

G12

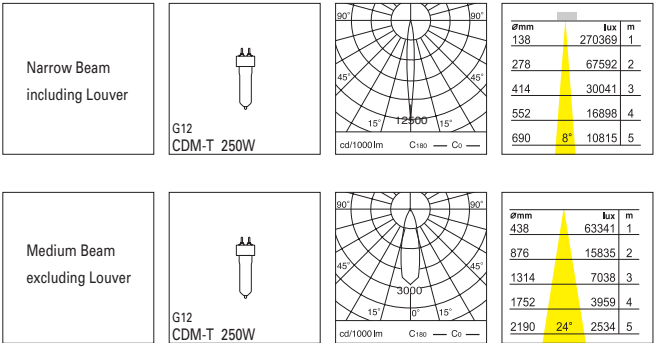
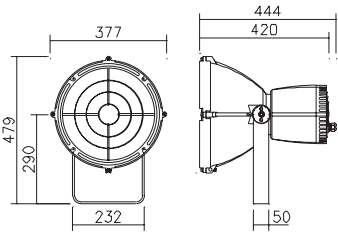
1.0m

12.5kg

Light Gray

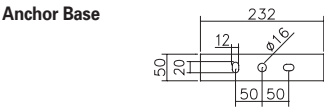
Black

DarkGray

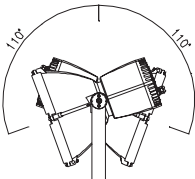


Notes

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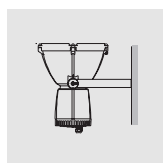


Adjustment Possibilities

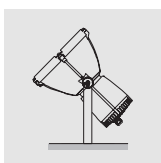




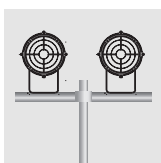
Examples



Wall / Vertical
Surface Mounting



Concrete Base Mounting
Stanchion Mounting



Pole Mounting



Hood Type



Louver Type

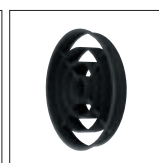
Accessories



Glass Lens
- Clear Tempered Glass



Hood
- Steel Plate
- Black only



Louver
- Steel
- Black only



DD-79800 Series

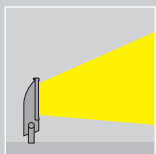
FLOOD LIGHT



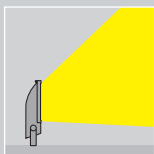
These fixtures are round shape flood light including ballast in the body. Simple and solid, AL. Die-casting body is light and has great durability.

DF-79800, 79820 Series

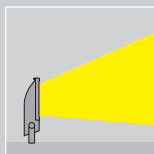
These fixtures are round shape flood light including ballast in the body. Simple and solid, AL. Die-casting body is light and has great durability. Gear box is the back of the product, so it can easy to maintenance. Reduced reflector exposure part to reduce pollution. Hood and louver can be selected by accessory.



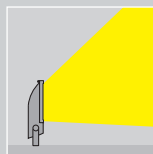
Symmetry Reflector



Asymmetry Reflector



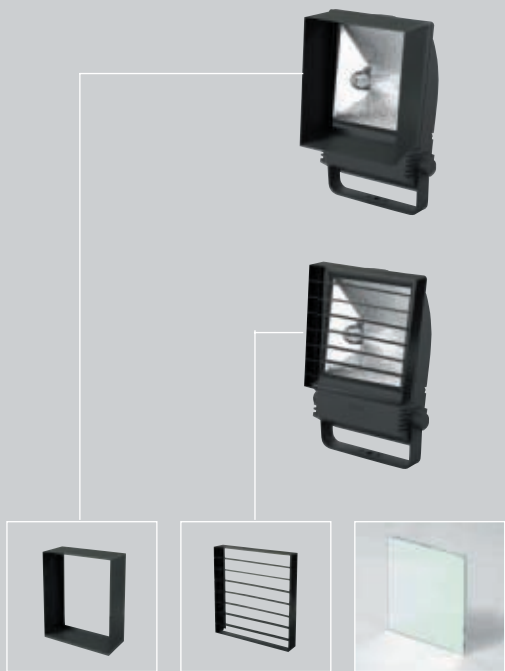
Symmetry Reflector



Asymmetry Reflector

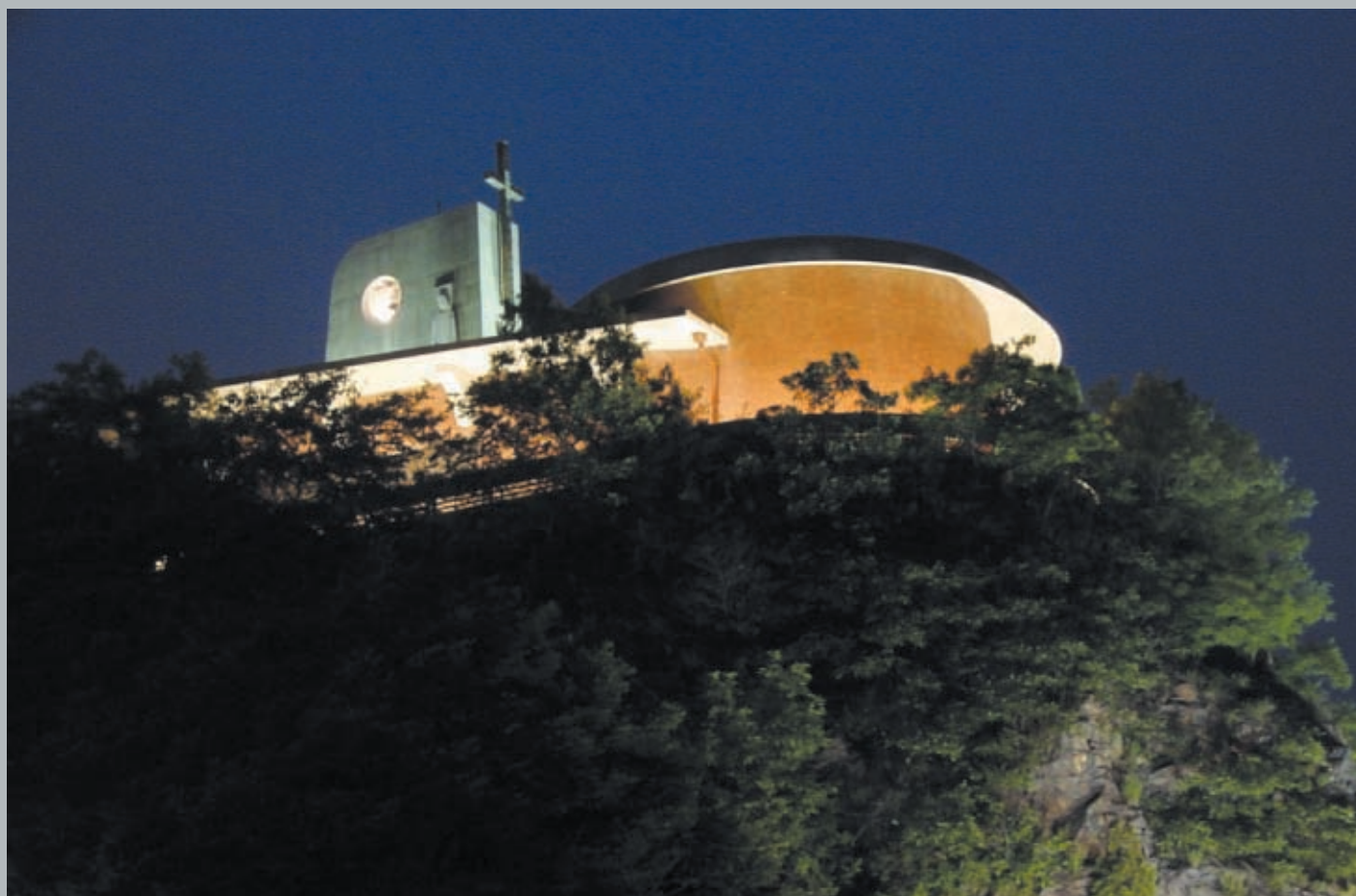


DF-79800 p.288



DF-79820 p.290





The Head Angle Adjustment
- Using nuts to lock head angle and cover the nuts



Safe Connection
- Folder type opening and closing cover



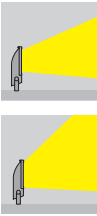
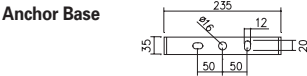
The Installation of Hood and Louver
- Reduce Glare
- Gathering beam angle



- ☐ Light Gray
- ☒ Black
- ☐ DarkGray

Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.



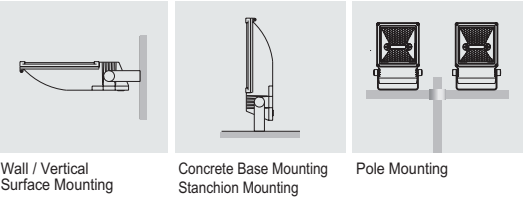
DF-79800 Series

Flood Light

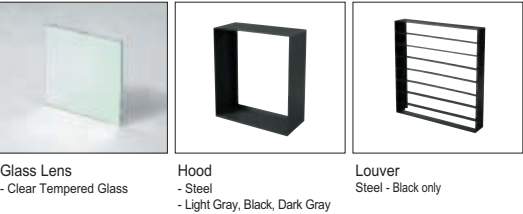
Housing & Gear Box : AL. Die-Casting, Electrostatic Powder Coating
 Reflector : AL. Anodized Embossing
 Anchor Base : AL. Extrude, Electrostatic Powder Coating
 Accessory : Glass Lens _Clear Tempered Glass
 Fixed Hood _Steel (Light Gray, Black, Dark Gray)
 Louver _Steel (Light Gray, Black, Dark Gray)
 Mounting Options : Wall / Vertical Surface Mounting
 Concrete Base Mounting
 Stanchion Mounting
 Pole Mounting

Lamp & Socket : HQI-TS, HCI-TS, CDM-TD, NAV-TS 70W _RX7s
 HQI-TS, HCI-TS, CDM-TD, NAV-TS 150W _RX7s-24

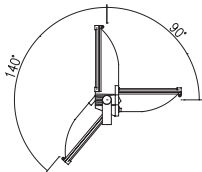
Examples



Accessories



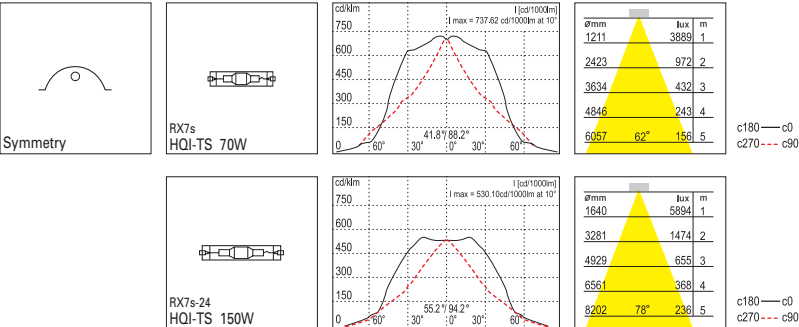
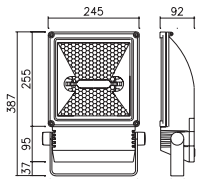
Adjustment Possibilities



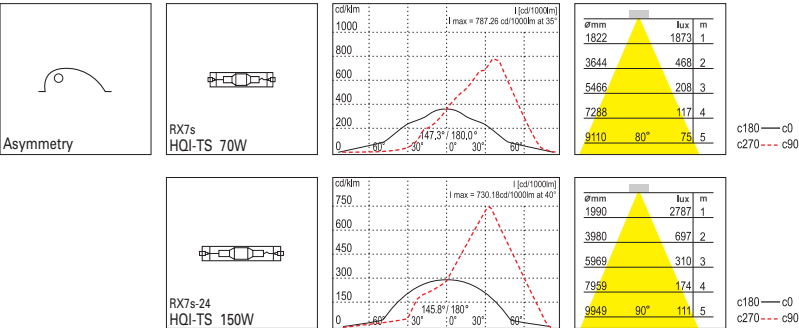
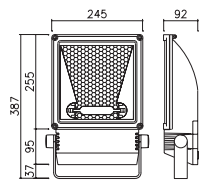
Hood Type Louver Type



DF-79800 HQI-TS, HCI-TS, CDM-TD, NAV-TS
Symmetry



DF-79801 HQI-TS, HCI-TS, CDM-TD, NAV-TS
Asymmetry

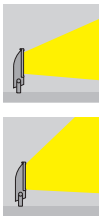
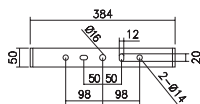




Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

Anchor Base



DF-79820 Series

Flood Light

Housing & Gear Box : AL. Die-Casting, Electrostatic Powder Coating

Reflector : AL. Anodized Embossing

Anchor Base : AL. Extrude, Electrostatic Powder Coating

Accessory : Glass Lens _ Clear Tempered Glass

Fixed Hood _ Steel (Light Gray, Black, Dark Gray)

Louver _ Steel (Light Gray, Black, Dark Gray)

Mounting Options : Wall / Vertical Surface Mounting

Concrete Base Mounting

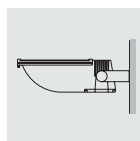
Stanchion Mounting

Pole Mounting

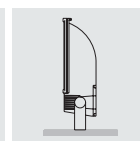
Lamp & Socket : MH-T 175W, 250W, 400W _ E-40

NAV-T 150W, 250W _ E-40

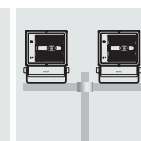
Examples



Wall/Vertical Surface Mounting



Concrete Base Mounting
Stanchion Mounting

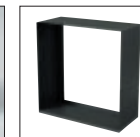


Pole Mounting

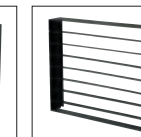
Accessories



Glass Lens
Clear Tempered Glass

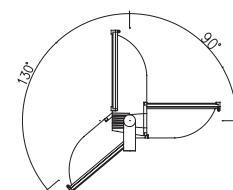


Fixed Hood
Steel - Light Gray, Black, Dark Gray



Louver
Steel - Black only

Adjustment Possibilities



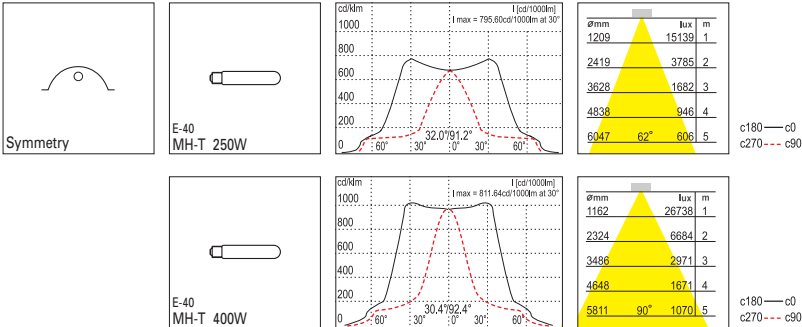
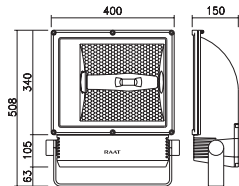
Hood Type



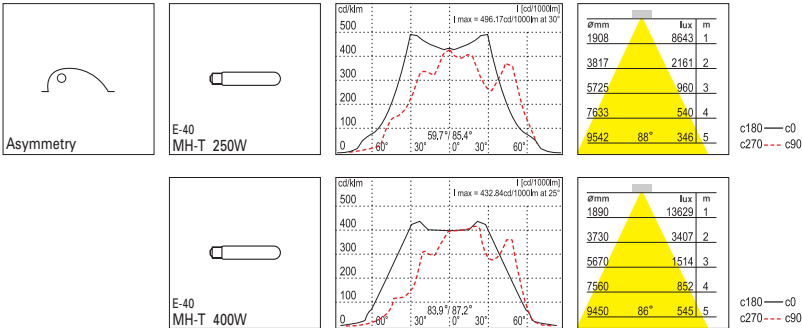
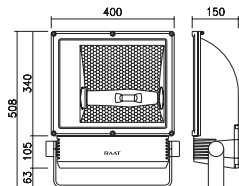
Louver Type



DF-79820 MH-T, NAV-T
Symmetry



DF-79821 MH-T, NAV-T
Asymmetry





DD-48010 Series

GARDEN SPOT

**DF-48010, 48020 series**

These fixtures are round shape garden light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability.

DF-48030, 48040 series

These fixtures are round shape garden light. Easy installation and convenient maintenance. Simple and solid, AL. Die-casting body is light and has great durability.

DF-48010 Series

Flood Light / Garden Spot

Socket Housing : AL. Die-Casting, Electrostatic Powder Coating

Component : DF-48010 / Flange _AL. Die-Casting

DF-48020 / Peg _AL. Die-Casting

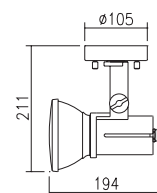
Mounting Options : DF-48010 - Horizontal Surface Mounting
Wall/ Vertical Surface Mounting

DF-48020 - Peg Mounting

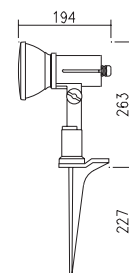
Lamp & Socket : PAR-38 80W,120W _E-27



DF-48010


 Weight : 1.3kg


DF-48020


 Weight : 1.5kg


Light Gray
Black
Dark Gray

Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.

DF-48030 Series

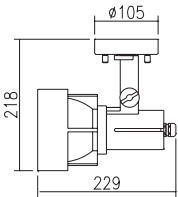
Flood Light / Garden Spot

Socket Housing : AL. Die-Casting, Electrostatic Powder Coating
Accessory : Hood _ AL. Die-Casting
Component : DF-48030 / Flange _AL. Die-Casting
DF-48040 / Peg _AL. Die-Casting
Mounting Options : DF-48030 - Horizontal Surface Mounting
Wall/ Vertical Surface Mounting
DF-48040 - Peg Mounting

Lamp & Socket : PAR-38 80W,120W _E-27



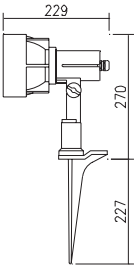
DF-48030



Weight : 1.5kg



DF-48040



Weight : 1.8kg

E-27

F

0.5m

Light Gray

Black

Dark Gray

- Notes**
- We provide the mounting accessories only shown by component.
 - For special orders, please make inquiries us.



DBO-75140 Series

BOLLARD LIGHT

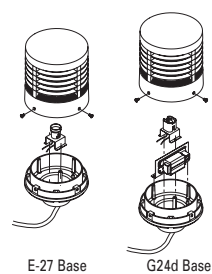


These series have separate AL. Die-Casting gear box inside of the fixtures to avoid corrosion and electric leakage.

DBO-75140 Series

These series have separate AL. Die-Casting gear box inside of the fixtures to avoid corrosion and electric leakage. These can adjust pole length for variety usages. The unified simple design, head and pole, is neat and clean. To avoid glare, some of item use sanding PC.

Assembly Instruction



A ballast and lamp are separately installed in this fixture and seal hermetically in its body. So, its functional strong point is safe for corrosion and a short circuit. But, in the case of G12 Base, a ballast has to install in the pole.

BOLLARD LIGHTS



- IP54**
- Light Gray
 - Black
 - Dark Gray

Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.



DBO-75140, DBO-75150 Series

Bollard Light

- Pole : AL. Extrude , Electrostatic Powder Coating
- Head : AL. Die-Casting , Electrostatic Powder Coating
- Anchor Base : AL. Die-Casting , Electrostatic Powder Coating
- Accessory : Diffuser _PC (sanding)

Lamp & Socket

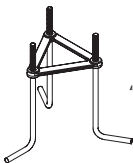
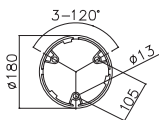
01 Type

- EL 15W, 20W, 23W _E-27
- Krypton 60W, 75W, 100W _E-27
- Dulux-D 18W _G24d-2
- Dulux-D 26W _G24d-3
- CDM-T 35W _G12

02 Type

- EL 15W, 20W, 23W _E-27
- Krypton 60W, 75W, 100W _E-27

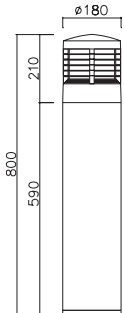
Anchor Base



"L" Anchor



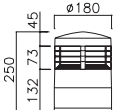
- DBO-75140-01**
- EL 15W, 20W, 23W
 - Krypton 60W, 75W, 100W
 - Dulux-D 18W
 - Dulux-D 26W
 - CDM-T 35W



Weight : 6.6 kg



- DBO-75140-02**
- EL 15W, 20W, 23W
 - Krypton 60W, 75W, 100W

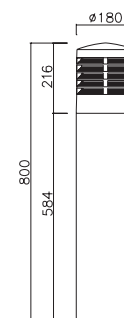


Weight : 3.5 kg





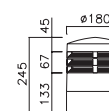
DBO-75150-01 EL 15W, 20W, 23W
Krypton 60W, 75W, 100W
Dulux-D 18W
Dulux-D 26W
CDM-T 35W



 Weight : 6.6 kg



DBO-75150-02 EL 15W, 20W, 23W
Krypton 60W, 75W, 100W



 Weight : 3.5 kg



BOLLARD LIGHTS



- IP54**
- Light Gray
 - Black
 - Dark Gray

Notes

- We provide the mounting accessories only shown by component.
- For special orders, please make inquiries us.



DBO-75160, DBO-75170 Series

Bollard Light

- Pole : AL. Extrude , Electrostatic Powder Coating
- Head : AL. Die-Casting , Electrostatic Powder Coating
- Anchor Base : AL. Die-Casting , Electrostatic Powder Coating
- Reflector : AL. Plate
- Accessory : Diffuser _PC (sanding or clear)

Lamp & Socket

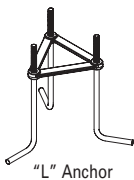
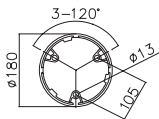
01 Type

- EL 15W, 20W, 23W _E-27
- Krypton 60W, 75W, 100W _E-27
- Dulux-D 18W _G24d-2
- Dulux-D 26W _G24d-3
- CDM-T 35W _G12

02 Type

- EL 15W, 20W, 23W _E-27
- Krypton 60W, 75W, 100W _E-27

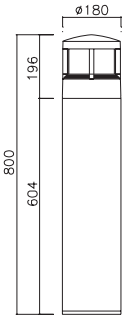
Anchor Base



"L" Anchor



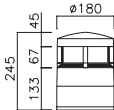
- DBO-75160-01**
- EL 15W, 20W, 23W
 - Krypton 60W, 75W, 100W
 - Dulux-D 18W
 - Dulux-D 26W
 - CDM-T 35W



Weight : 6.6 kg

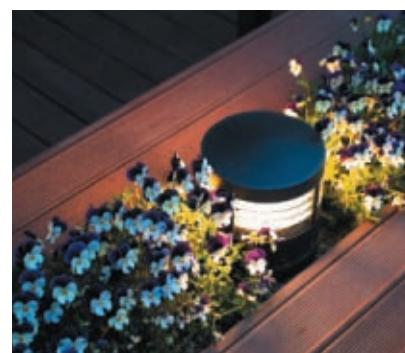


- DBO-75160-02**
- EL 15W, 20W, 23W
 - Krypton 60W, 75W, 100W

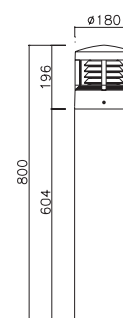


Weight : 3.5 kg





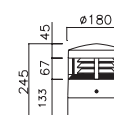
DBO-75170-01 EL 15W, 20W, 23W
Krypton 60W, 75W, 100W
Dulux-D 18W
Dulux-D 26W
CDM-T 35W



 Weight : 6.6 kg

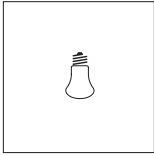
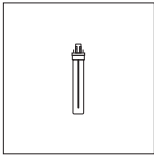
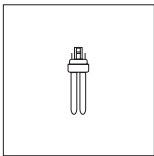
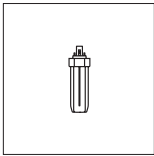
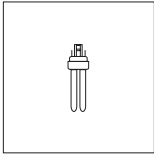


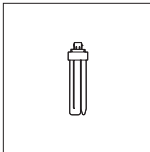
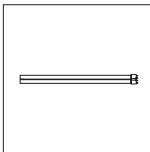
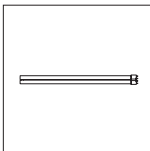
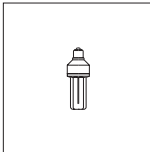
DBO-75170-02 EL 15W, 20W, 23W
Krypton 60W, 75W, 100W

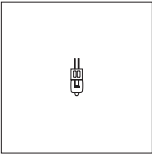
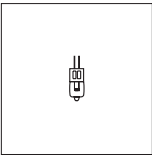
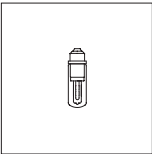
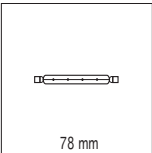
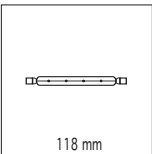
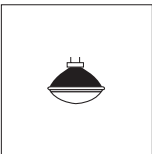


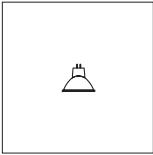
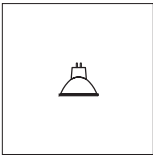
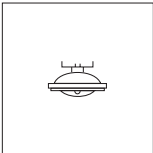
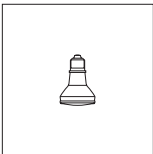
 Weight : 3.5 kg

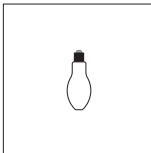
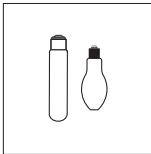
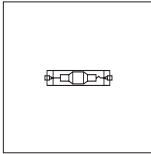
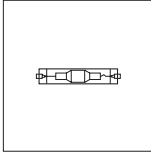
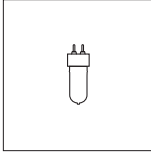
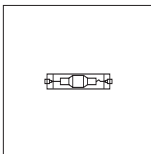
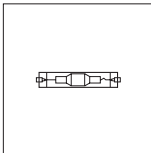
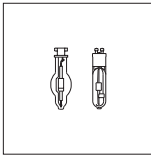


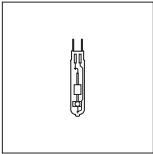
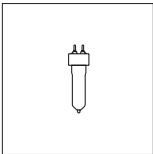
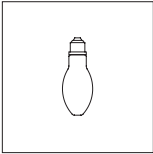
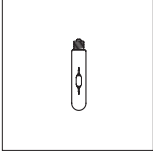
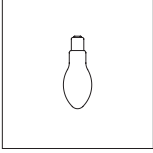
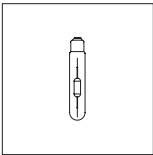
Type	Symbol	Voltage	Wattage	Lamp Holder	Lum-ious Flux (lm)	Color Tem-perature (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
Incandescent Lamp										
A60		230V	60W 100W 60W 100W 60W 100W	E-27	710 lm 1,340 lm	2,800 K 2,800 K	CLASSICTONE Standard CLASSICTONE Standard	CLASSIC CLASSIC	GLS GLS	GLS GLS
A60		230V	60W 75W 100W	E-27	760 lm 1,000 lm 1,420 lm	2,800 K 2,800 K 2,800 K	CLASSICTONE Superlux CLASSICTONE Superlux CLASSICTONE Superlux	KRYTON KRYTON KRYTON	KRYTON KRYTON KRYTON	GLS KRYTON GLS KRYTON GLS KRYTON
Compact Fluorescent Lamp										
TC-S			9W	G23	600 lm 600 lm 600 lm 600 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-S /2P PL-S /2P PL-S /2P PL-S /2P	DULUX-S DULUX-S DULUX-S DULUX-S	Biax™ S-2P Biax™ S-2P Biax™ S-2P Biax™ S-2P	Lynx-S Lynx-S Lynx-S Lynx-S (6,000 K)
			13W	GX23	900 lm 900 lm 900 lm 900 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-S /2P PL-S /2P (4,100 K) PL-S /2P	DULUX-S DULUX-S DULUX-S DULUX-S	Biax™ S-2P Biax™ S-2P (3,500 K) Biax™ S-2P (4,100 K)	Lynx-S Lynx-S Lynx-S Lynx-S (6,000 K)
TC-D			13W	G24d-1	900 lm 900 lm 900 lm 900 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /2P PL-C /2P PL-C /2P PL-C /2P	DULUX-D DULUX-D DULUX-D DULUX-D	Biax™ D-2P Biax™ D-2P Biax™ D-2P Biax™ D-2P	Lynx-D Lynx-D Lynx-D Lynx-D (6,000 K)
			18W	G24d-2	1,200 lm 1,200 lm 1,200 lm 1,200 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /2P PL-C /2P PL-C /2P PL-C /2P	DULUX-D DULUX-D DULUX-D DULUX-D	Biax™ D-2P Biax™ D-2P Biax™ D-2P Biax™ D-2P	Lynx-D Lynx-D Lynx-D Lynx-D (6,000 K)
			26W	G24d-3	1,800 lm 1,800 lm 1,800 lm 1,800 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /2P PL-C /2P PL-C /2P PL-C /2P	DULUX-D DULUX-D DULUX-D DULUX-D	Biax™ D-2P Biax™ D-2P Biax™ D-2P Biax™ D-2P (1,710 lm)	Lynx-D Lynx-D Lynx-D Lynx-D (6,000 K)
TC-T			18W	GX24d-2	1,200 lm 1,200 lm 1,200 lm	2,700 K 3,000 K 4,000 K	PL-T /2P PL-T /2P PL-T /2P	DULUX-T DULUX-T DULUX-T		Lynx-T Lynx-T Lynx-T
			26W	GX24d-3	1,800 lm 1,800 lm 1,800 lm	2,700 K 3,000 K 4,000 K	PL-T /2P PL-T /2P PL-T /2P	DULUX-T DULUX-T DULUX-T		Lynx-T Lynx-T Lynx-T
TC-DEL			13W	G24q-1	900 lm 900 lm 900 lm 900 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /4P PL-C /4P PL-C /4P PL-C /4P	DULUX-D/E DULUX-D/E DULUX-D/E DULUX-D/E	Biax™ D-4P Biax™ D-4P Biax™ D-4P Biax™ D-4P	Lynx-DE Lynx-DE Lynx-DE Lynx-DE (6,000 K)
			18W	G24q-2	1,200 lm 1,200 lm 1,200 lm 1,200 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /4P PL-C /4P PL-C /4P PL-C /4P	DULUX-D/E DULUX-D/E DULUX-D/E DULUX-D/E	Biax™ D-4P Biax™ D-4P Biax™ D-4P Biax™ D-4P	Lynx-DE Lynx-DE Lynx-DE Lynx-DE (6,000 K)
			26W	G24q-3	1,800 lm 1,800 lm 1,800 lm 1,800 lm	2,700 K 3,000 K 4,000 K 6,500 K	PL-C /4P PL-C /4P PL-C /4P PL-C /4P	DULUX-D/E DULUX-D/E DULUX-D/E DULUX-D/E	Biax™ D-4P (1,710 lm) Biax™ D-4P (1,710 lm) Biax™ D-4P (1,710 lm) Biax™ D-4P (1,710 lm)	Lynx-DE Lynx-DE Lynx-DE Lynx-DE (6,000 K)

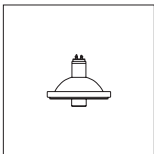
Type	Symbol	Voltage	Wattage	Lamp Holder	Lume-ious Flux (lm)	Color Tem-perature (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
TC-TEL		32W	GX24q-3	2,400 lm	2,700 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P (2,200 lm)	Lynx-TE
				2,400 lm	3,000 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P (2,200 lm)	Lynx-TE
				2,400 lm	4,000 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P (2,200 lm)	Lynx-TE
		42W	GX24q-4	3,200 lm	2,700 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P	Lynx-TE
				3,200 lm	3,000 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P	Lynx-TE
				3,200 lm	4,000 K	PL-T /4P		DULUX-T/E	Biax™ T/E-4P	Lynx-TE
TC-L		36W	2G11	2,900 lm	2,700 K	PL-L		DULUX-L	Biax™ L-4P	Lynx-L
				2,900 lm	3,000 K	PL-L		DULUX-L		Lynx-L
				2,900 lm	3,500 K			DULUX-L		Lynx-L
				2,900 lm	4,000 K	PL-L		DULUX-L	Biax™ L-4P	Lynx-L
				2,900 lm	6,500 K	PL-L		DULUX-L (2,750 lm)	Biax™ L-4P (2,600 lm)	Lynx-L (6,000 K)
TC-L		55W	2G11	4,800 lm	2,700 K	PL-L		DULUX-L	Biax™ L-4P (4,100 lm)	Lynx-L
				4,800 lm	3,000 K	PL-L		DULUX-L		Lynx-L
				4,800 lm	4,000 K	PL-L		DULUX-L	Biax™ L-4P (4,100 lm)	Lynx-L
				4,800 lm	6,500 K	PL-L		DULUX-L (4,550 lm)	Biax™ L-4P (4,100 lm)	Lynx-L (6,000 K)
Self Ballasted Lamp										
		230V	15W	E-27	900 lm	2,700 K	ECOTONE PLEU	DULUX-EL longlife	FLE (800 lm)	Mini-Lynx longlife Triple
					900 lm	4,000 K	ECOTONE PLEU	DULUX-EL longlife		
					900 lm	6,500 K	ECOTONE PLEU	DULUX-EL longlife	FLE (800 lm)	Mini-Lynx longlife Triple
		20W			1,230 lm	2,700 K	ECOTONE PLEU (1,100 lm)	DULUX-EL longlife	FLE (1,200 lm)	Mini-Lynx longlife Triple
					1,230 lm	4,000 K	ECOTONE PLEU (1,100 lm)	DULUX-EL longlife		
					1,230 lm	6,500 K	ECOTONE PLEU (1,100 lm)	DULUX-EL longlife	FLE (1,200 lm)	Mini-Lynx longlife Triple
		23W			1,500 lm	2,700 K	ECOTONE PLEU (1,400 lm)	DULUX-EL longlife	FLE	Mini-Lynx longlife Triple
					1,500 lm	4,000 K	ECOTONE PLEU (1,400 lm)	DULUX-EL longlife		
					1,500 lm	6,500 K	ECOTONE PLEU (1,400 lm)	DULUX-EL longlife	FLE	Mini-Lynx longlife Triple

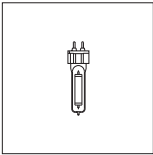
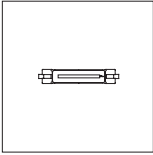
Type	Symbol	Voltage	Wattage	Lamp Holder	Lum-ious Flux (lm) Lum-ious Intensity (cd)	Color Tem-perature (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
Low Voltage Tungsten Halogen Lamp										
QT9-ax		12V	10W 20W	G4	140 lm 320 lm	3,000 K 3,000 K	CAPSULE line PRO CAPSULE line PRO	HALOSTAR STARLITE (130 lm) HALOSTAR STARLITE	Quartz Halogen Quartz Halogen (350 lm)	Low Pressure Capsule (100 lm) Low Pressure Capsule (250 lm)
QT12-ax		12V	50W 75W 90W 100W	GY6.35	950 lm 1,575 lm 1,800 lm 2,200 lm	3,000 K 3,000 K 3,000 K 3,000 K	CAPSULE line PRO CAPSULE line PRO CAPSULE line PRO CAPSULE line PRO	HALOSTAR STARLITE (910 lm) HALOSTAR STARLITE (1,450 lm) HALOSTAR STARLITE	Quartz Halogen (900 lm) Quartz Halogen (1,350 lm) Quartz Halogen	Low Pressure Capsule (900 lm)
High Voltage Tungsten Halogen Lamp										
QT32		230V	100W 150W	E-27	1,500 lm 2,500 lm	2,900 K 2,900 K	HalogenA PRO T32 HalogenA PRO T32	HALOLUX T HALOLUX T		DLX-T DLX-T
QT-DE12	 78 mm	230V	100W 150W	R7s	1,600 lm 2,500 lm	2,900 K 2,900 K	PLUS line PRO PLUS line PRO (2,400 lm)	HALOLINE HALOLINE	Quartzline Quartzline (2,600 lm)	Linear Double Ended Linear Double Ended (2,600 lm)
QT-DE12	 118 mm		150W 200W 300W	R7s	2,400 lm 3,500 lm 5,300 lm	2,900 K 2,900 K 2,900 K	PLUS line PRO (2,250 lm) PLUS line PRO (3,520 lm) PLUS line PRO (5,600 lm)	HALOLINE HALOLINE HALOLINE	Quartzline (2,100 lm) Quartzline (3,100 lm) Quartzline (5,100 lm)	Linear Double Ended (1,875 lm) Linear Double Ended (3,000 lm) Linear Double Ended (5,000 lm)
Reflector incandescent Lamp										
PAR38		230V	80W 120W	E-27 E-27	∠12° 5,400 cd ∠30° 1,800 cd ∠12° 9,300 cd ∠30° 3,100 cd	2,800 K 2,800 K 2,800 K 2,800 K	SPOTONE PAR38 SPOTONE PAR38 SPOTONE PAR38 SPOTONE PAR38	CONCENTRA PAR38 CONCENTRA PAR38 CONCENTRA PAR38 CONCENTRA PAR38	PAR38 PAR38 PAR38 PAR38	PAR38 PAR38 PAR38 PAR38
QT12-ax		230V	300W	GX16d	NSP 22,000 cd MFL 40,000 cd WFL 9,000 cd	3,000 K 3,000 K 3,000 K	SPOTONE PAR56 SPOTONE PAR56 SPOTONE PAR56		PAR56 PAR56 PAR56	PAR56 PAR56 PAR56

Type	Symbol	Voltage	Wattage	Lamp Holder	Lume-ious Flux (lm)	Color Tem-perature (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
Reflector Halogen Lamp										
QR-CBC35		12V	20W	GU4	∠10° 4,000 cd	3,000 K	BRILLIANTline PRO (4,800cd)	DECOSTAR 35 TITAN	Precise™ MR11 (3,960cd)	Dichroic 35 (3,600cd)
					∠36° 700 cd	3,000 K	BRILLIANTline PRO (∠30°-800cd)	DECOSTAR 35 TITAN	Precise™ MR11 (∠26°-1,800cd)	
			35W	GU4	∠10° 6,200 cd	3,000 K	BRILLIANTline PRO (7,000cd)	DECOSTAR 35 TITAN	Precise™ MR11 (6,300cd)	Dichroic 35 (5,700cd)
					∠36° 1,350 cd	3,000 K	BRILLIANTline PRO (∠30°-1,500cd)	DECOSTAR 35 TITAN	Precise™ MR11 (∠26°-490cd)	
QR-CBC51		12V	35W	GU5.3/GX5.3	∠10° 9,100 cd	3,000 K	BRILLIANTline PRO (8,000cd)	DECOSTAR 51 TITAN	Precise™ MR16 (∠26°-6,750cd)	Dichroic 50 (5,000cd)
					∠24° 3,100 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN		
					∠36° 1,500 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN	Precise™ MR16 (830cd)	Dichroic 50 (∠38°-1,200cd)
					∠60° 700 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN		
			50W	GU5.3/GX5.3	∠10° 9,100 cd	3,000 K	BRILLIANTline PRO (13,000cd)	DECOSTAR 51 TITAN	Precise™ MR16 (∠12°-8,550cd)	Dichroic 50 (8,000cd)
					∠24° 3,100 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN	Precise™ MR16 (2,700cd)	
					∠36° 1,500 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN	Precise™ MR16 (1,350cd)	Dichroic 50 (∠38°-1,950cd)
					∠60° 700 cd	3,000 K	BRILLIANTline PRO	DECOSTAR 51 TITAN	Precise™ MR16 (∠55°-630cd)	Dichroic 50 (900cd)
QR-LP111		12V	50W	G53	∠4° 40,000 cd	3,000 K		HALOSPOT 111		
					∠8° 20,000 cd	3,000 K	ALUline PRO111 (23,000cd)	HALOSPOT 111	HALO AR111 (17,800cd)	SA 111 (23,000cd)
					∠24° 4,000 cd	3,000 K	ALUline PRO111	HALOSPOT 111	HALO AR111 (3,500cd)	SA 111
					∠45° 1,400 cd	3,000 K		HALOSPOT 111	HALO AR111 (23,500cd)	SA 111 (1,200cd)
			75W	G53	∠8° 30,000 cd	3,000 K	ALUline PRO111	HALOSPOT 111	HALO AR111	SA 111 (30,000cd)
					∠24° 5,300 cd	3,000 K	ALUline PRO111	HALOSPOT 111	HALO AR111 (1,700cd)	SA 111
					∠45° 2,000 cd	3,000 K	ALUline PRO111	HALOSPOT 111		SA 111 (1,700cd)
			100W	G53	∠8° 48,000 cd	3,000 K		HALOSPOT 111		SA 111
					∠24° 8,500 cd	3,000 K	ALUline PRO111	HALOSPOT 111		SA 111
					∠45° 2,800 cd	3,000 K	ALUline PRO111	HALOSPOT 111		SA 111
QPAR16		230V	50W	GU10/GZ10	∠25° 1,250 cd	2,900 K	TWISTline	HALOPAR 16 (∠35°-950cd)	MR16 TAL	Hi-Spot Home ES50 (800cd)
					∠50° 600 cd	2,900 K	TWISTline			
QPAR20		230V	50W	E-27	∠10° 3,000 cd	2,900 K	PAR 20 HalogenA	HALOPAR 20	HALOGEN PAR 20	Hi-Spot 63
					∠25° 1,000 cd	2,900 K	PAR 20 HalogenA	HALOPAR 20	HALOGEN PAR 20	Hi-Spot 63
QPAR30		230V	75W	E-27	∠10° 6,500 cd	2,900 K	PAR 30S HalogenA	HALOPAR 30	HALOGEN PAR 30	Hi-Spot 95
					∠30° 2,000 cd	2,900 K	PAR 30S HalogenA	HALOPAR 30	HALOGEN PAR 30	Hi-Spot 95
			100W		∠10° 9,000 cd	2,900 K	PAR 30S HalogenA		HALOGEN PAR 30	Hi-Spot 95
					∠30° 3,000 cd	2,900 K	PAR 30S HalogenA		HALOGEN PAR 30	Hi-Spot 95

Type	Symbol	Voltage	Wattage	Lamp Holder	Lume-ious Flux (lm)	Color Tem-perature (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description	
Metal Halide Lamp											
HIE			70W	E-27	5,200 lm	3,100 K	MH (5,600 lm)	HQI-E		HAI-MP	
			100W	E-27	5,500 lm	4,200 K		HQI-E		HAI-MP	
					8,500 lm	3,100 K		HQI-E		HAI-MP	
					8,400 lm	4,200 K		HQI-E		HAI-MP	
			150W	E-27	12,900 lm	3,100 K		HQI-E		HAI-MP	
				12,500 lm	4,200 K		HQI-E		HAI-MP		
HIE			250W	E-40	19,000 lm	5,200 K	HPI Plus (4,300 K)	HQI-E	Arcstream™ Elliptical	HSI-SX	
			400W	E-40	20,000 lm	5,200 K	HPI-T Plus (4,500 K)	HQI-T		Arcstream™ Tubular (6,000 K)	HSI-TSX
					34,000 lm	4,400 K	HPI Plus (4,300 K)	HQI-E		Arcstream™ Elliptical (6,000 K)	HSI-SX
					42,000 lm	4,000 K	HPI-T Plus (4,300 K)	HQI-T		Arcstream™ Tubular	HSI-TSX
					35,000 lm	5,200 K		HQI-BT			
HIT-DE-CE			70W	RX7s	5,100 lm	3,000K	MHW-TD (6,200 lm)	HQI-TS		HSI-TD (5,500 lm)	
					5,700 lm	4,000K	MHN-TD	HQI-TS		HSI-TD (5,800 lm)	
					5,500 lm	5,200K		HQI-TS		HSI-TD (5,400 lm)	
			150W	RX7s-24	11,700 lm	3,000K	MHW-TD (13,800 lm)	HQI-TS		HSI-TD (12,500 lm)	
					12,000 lm	4,000K	MHN-TD (12,900 lm)	HQI-TS		HSI-TD (12,500 lm)	
					12,000 lm	5,200K				HSI-TD (11,000 lm)	
HIT-DE			250W	Fc2	22,000 lm	3,200K	MHN-TD	HQI-TS		HSI-TD (20,000 lm)	
					22,000 lm	4,200K		HQI-TS		HSI-TD	
					22,000 lm	5,100K		HQI-TS		HSI-TD (18,000 lm)	
HIT-CE			70W	G12	5,300 lm	3,000K		HQI-T		HSI-T (5,200 lm)	
			150W	G12	5,800 lm	4,200K		HQI-T		HSI-T (5,200 lm)	
					13,000 lm	3,000K		HQI-T		HSI-T (12,000 lm)	
					13,000 lm	4,200K		HQI-T		HSI-T (12,500 lm)	
Ceramics Metal Halide Lamp											
HIT-DE-CE			35W	RX7s	3,400 lm	3,000 K	CDM-TD	HCI-TS (6,900 lm)	CMH-TD (3,400 lm)	CMI-TD (6,200 lm)	
			70W	RX7s	6,500 lm	3,000 K			CMH-TD (7,000 lm)		
					6,000 lm	4,200 K			CMH-TD (6,200 lm)		
			150W	RX7s-24	13,250 lm	3,000 K			CMH-TD (14,500 lm)		
					14,200 lm	4,200 K			CMH-TD (12,500 lm)		
HIT-DE			250W	Fc2	25,000 lm	3,000 K		HCI-TS			
					23,000 lm	4,200 K		HCI-TS			
HIT-TC-CE			20W	PGJ5/GU6.5	1,650 lm	3,000 K	CDM-Tm	HCI-TF (1,700 lm)	CMH-super mini (1,615 lm)		
			35W	PGJ5/GU6.5	3,000 lm	3,000 K	CDM-Tm	HCI-TF	CMH-super mini (3,400 lm)		
					3,200 lm	4,200 K			CMH-super mini		

Type	Symbol	Voltage	Wattage	Lamp Holder	Lume- ious Flux (lm) Lume- ious Intensity (cd)	Color Tem- pera- ture (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
HIT-TC-CE			20W	G8.5	1,700 lm	3,000 K		HCI-TC	CMH-TC (1,650 lm)	
			35W	G8.5	3,500 lm	3,000 K	CDM-TC	HCI-TC	CMH-TC (3,400 lm)	CMH-TC (3,400 lm)
					3,200 lm	4,200 K	CDM-TC	HCI-TC (3,200 lm)	CMH-TC	
			70W	G8.5	7,300 lm	3,000 K	CDM-TC	HCI-TC	CMH-TC (6,200 lm)	CMH-TC (6,200 lm)
					6,300 lm	4,200 K	CDM-TC	HCI-TC (6,300 lm)	CMH-TC (6,200 lm)	
HIT-CE			20W	G12	1,650 lm	3,000 K			CMH-T	
			35W	G12	3,300 lm	3,000 K	CDM-T	HCI-T (3,400 lm)	CMH-T (3,400 lm)	CMH-T (3,400 lm)
					3,300 lm	4,200 K	CDM-T	HCI-T (3,300 lm)	CMH-T (3,200 lm)	
			70W	G12	6,600 lm	3,000 K	CDM-T	HCI-T (7,000 lm)	CMH-T (6,200 lm)	CMH-T (6,200 lm)
					6,600 lm	4,200 K	CDM-T	HCI-T (6,700 lm)	CMH-T (6,300 lm)	CMH-T (6,000 lm)
			100W	G12	9,500 lm	3,000 K		HCI-T		
					9,300 lm	4,200 K		HCI-T		
			150W	G12	14,000 lm	3,000 K	CDM-T	HCI-T (15,500 lm)	CMH-T	CMH-T (13,500 lm)
					12,700 lm	4,200 K	CDM-T	HCI-T (14,500 lm)	CMH-T (13,000 lm)	CMH-T (13,000 lm)
			250W	G12/G22	23,000 lm	3,000 K	CDM-T	HCI-T (26,000 lm)		
					23,300 lm	4,200 K	CDM-T	HCI-T (25,000 lm)		
			400W	G22	40,000 lm	4,200 K		HCI-T		
HIE			70W	E-27	6,000 lm	3,000 K	CDM-TP/F	HCI-T/P (6,400 lm)		
					6,000 lm	3,500 K	CDM-TP/F			
					6,000 lm	4,200 K	CDM-TP/F	HCI-T/P		
			100W	E-27	8,500 lm	3,000 K		HCI-T/P		
					8,300 lm	4,200 K		HCI-T/P		
			150W	E-27	13,500 lm	3,000 K	CDM-TP/F	HCI-T/P (14,000 lm)		
					13,500 lm	3,500 K	CDM-TP/F			
					13,500 lm	4,200 K	CDM-TP/F	HCI-T/P (13,300 lm)		
HIE			35W	E-27	2,850 lm	3,000 K		HCI-EP		
					2,850 lm	4,200 K		HCI-EP		
			70W	E-27	6,400 lm	3,000 K		HCI-EP		
					6,000 lm	4,200 K		HCI-EP		
			100W	E-27	8,500 lm	3,000 K		HCI-EP		
					8,300 lm	4,200 K		HCI-EP		
			150W	E-27	13,300 lm	3,000 K		HCI-EP		
					13,300 lm	4,200 K		HCI-EP		
HIE			70W	E-27	6,300 lm	3,000 K	CDM-TT	HCI-TT (7,000 lm)	CMH Tubular (6,000 lm)	
					6,400 lm	4,200 K	CDM-TT			
			100W	E-40	9,200 lm	3,000 K			CMH Tubular	
			150W	E-40	13,500 lm	3,000 K	CDM-TT	HCI-TT (14,500 lm)	CMH Tubular (14,000 lm)	
					12,000 lm	4,200 K	CDM-TT			
			250W	E-40	25,000 lm	3,000 K			CMH Tubular	
			400W	E-40	42,000 lm	3,000 K			CMH Tubular	
HIE			70W	E-27	5,600 lm	2,800 K	CDO-ET		KLUX CMH Elliptical	
					5,800 lm	4,200 K				
			100W	E-40	8,300 lm	3,000 K	CDO-ET		KLUX CMH Elliptical	
					5,802 lm	4,202 K				
			150W	E-40	12,500 lm	3,000 K	CDO-ET		KLUX CMH Elliptical	
					5,800 lm	4,200 K				
			250W	E-40	22,500 lm	2,800 K				
			400W	E-40	39,000 lm	3,000 K				
					39,000 lm	3,600 K				
HIE			70W	E-27	6,300 lm	2,800 K	CDO-TT		KLUX CMH Tubular	
			100W	E-40	8,800 lm	2,800 K	CDO-TT		KLUX CMH Tubular	
			150W	E-40	13,500 lm	2,800 K	CDO-TT		KLUX CMH Tubular	
			250W	E-40	22,500 lm	2,800 K	CDO-TT		KLUX CMH Tubular	
			400W	E-40	39,000 lm	3,000 K			KLUX CMH Tubular	
					39,000 lm	3,600 K			KLUX CMH Tubular	

Type	Symbol	Voltage	Wattage	Lamp Holder	Lume-ious Flux (lm)	Color Tem-pera-ture (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
Ceramics Metal Halide Reflector Lamp										
		230V	20W	GX10	∠12° 9,000 cd	3,000K	CDM-R mini		CMH-MR16	BriteSpot ES50 (∠24°-3,500cd)
					∠25° 2,700 cd		CDM-R mini		CMH-MR16	BriteSpot ES50 (∠38°-2,000cd)
					∠40° 1,500 cd		CDM-R mini		CMH-MR16	BriteSpot ES50 (∠60°-1,000cd)
			35W	GX10	∠12° 16,000 cd	3,000K			CMH-MR16	BriteSpot ES50 (∠24°-7,000cd)
					∠25° 5,500 cd				CMH-MR16	BriteSpot ES50 (∠38°-4,000cd)
					∠40° 3,000 cd				CMH-MR16	BriteSpot ES50 (∠60°-2,000cd)
				GX10	∠12° 16,000 cd	4,200K			CMH-MR16	
					∠25° 5,500 cd				CMH-MR16	
					∠40° 3,000 cd				CMH-MR16	
HIPAR20		230V	20W	E-27	∠10° 13,000 cd	3,000K			CMH PAR20	
					∠25° 3,750 cd				CMH PAR20	
			35W	E-27	∠10° 23,000 cd	3,000K	CDM-R PAR20	HCI-PAR20	CMH PAR20	
					∠30° 5,000 cd		CDM-R PAR20	HCI-PAR20	CMH PAR20	
					∠10° 23,000 cd		CDM-R PAR20		CMH PAR20	
HIPAR-L30		230V	20W	E-27	∠10° 24,000 cd	3,000K			CMH PAR30	
					∠30° 4,000 cd				CMH PAR30	
			35W	E-27	∠10° 44,000 cd	3,000K	CDM-R PAR30	HCI-PAR30	CMH PAR30	
					∠30° 7,400 cd		CDM-R PAR30	HCI-PAR30	CMH PAR30	
					∠10° 44,000 cd	4,200K	CDM-R PAR30		CMH PAR30	
					∠30° 7,000 cd		CDM-R PAR30		CMH PAR30	
			70W	E-27	∠10° 70,000 cd	3,000K	CDM-R PAR30	HCI-PAR30	CMH PAR30	
					∠30° 14,000 cd		CDM-R PAR30	HCI-PAR30	CMH PAR30	
					∠40° 12,000 cd	4,200K	CDM-R PAR30	HCI-PAR30	CMH PAR30	
					∠10° 63,000 cd		CDM-R PAR30			
					∠30° 11,000 cd		CDM-R PAR30			
					∠40° 9,000 cd		CDM-R PAR30			
		230V	20W	GX8.5	∠10° 17,000 cd	3,000K	CDM-R 111	HCI-R 111		
					∠24° 4,200 cd		CDM-R 111	HCI-R 111		
					∠40° 2,000 cd		CDM-R 111	HCI-R 111		
			35W	GX8.5	∠10° 35,000 cd	3,000K	CDM-R 111	HCI-R 111		
					∠24° 8,500 cd		CDM-R 111	HCI-R 111		
					∠40° 4,000 cd		CDM-R 111	HCI-R 111		
					∠10° 35,000 cd	4,200K	CDM-R 111	HCI-R 111		
					∠24° 8,500 cd		CDM-R 111	HCI-R 111		
					∠40° 4,000 cd		CDM-R 111	HCI-R 111		
			70W	GX8.5	∠10° 55,000 cd	3,000K	CDM-R 111	HCI-R 111		
					∠24° 15,000 cd		CDM-R 111	HCI-R 111		
					∠40° 9,000 cd		CDM-R 111	HCI-R 111		
					∠10° 55,000 cd	4,200K	CDM-R 111			
					∠24° 15,000 cd		CDM-R 111			
					∠40° 9,000 cd		CDM-R 111			

Type	Symbol	Voltage	Wattage	Lamp Holder	Lume-ious Flux (lm) Lume-ious Intensity (cd)	Color Tem-pera- ture (K)	PHILIPS Description	OSRAM Description	G.E Description	SYLVANIA Description
Compact High Pressure Sodium Lamp										
HST			50W	G12-1	2,400 lm	2,550 K	SDW-TG			
			100W		4,900 lm	2,550 K				
HST-DE-CE			70W	RX7s	6,800 lm	2,000 K		NAV-TS		
			150W	RX7s-24	15,000 lm	2,000 K				



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DD-30010.06	095	DD-30041.01	083	DD-31121.06	113
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