

Hera®

General Catalogue



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Hera®

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Subject to technical changes without prior notice.

Position as per 07/2010

Hera®
Light Years Ahead.

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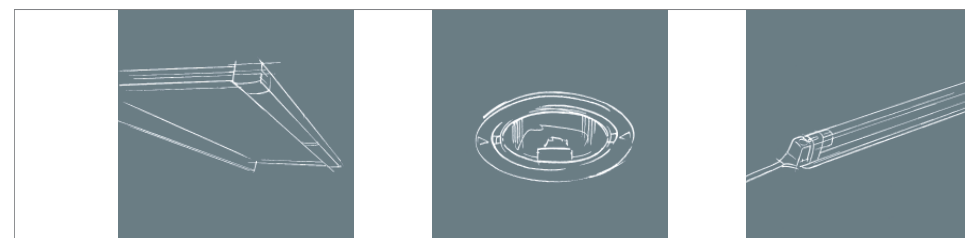
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Subject index

Product	Page	Product	Page	Product	Page
A		H		R	
AirLight _____	40	Halogen + KLR + LED _____	144	R 68-LED / Q 68-LED _____	52
Alpha _____	141	HVL CS _____	131	RGB Light Control System _____	112
ARF 68/ARF 78 _____	64	I		S	
ARF 68-LED 2/ARF 78-LED 2 _____	54	IR-S/IR-DS _____	137	SD/GD 316 _____	132
ARF-Q78/ARF-QB _____	66	IR Switch 24V _____	136	SEH/SAH/SAQ _____	133
ARF-Q LED _____	56	K		SET 60LT _____	116
ARF Switch _____	134	KB 12 _____	62	SET 105LT _____	119
B		KB 12-LED _____	50	SIL/SIL-S _____	94
Basic Line _____	26	KLL 78-LED _____	58	SIL-LED _____	95
Bergamo _____	71	L		SlimLite® CS _____	16
Boston _____	92	Lamps / Halogen + LED _____	144	SlimLite® CS Accessories _____	20
Boston R _____	93	Lamps / Fluorescent _____	142	SlimLite® CS Coved Lighting _____	23
C		Las Vegas _____	70	SlimLite® CS LED _____	14
Corner Lighting _____	25	LED 24/15W _____	127	SlimLite® CS Reflector _____	22
D		LED 24/30W _____	128	SlimLite® CS Seamless _____	18
Delta _____	139	LED 24/60W _____	129	SlimLite®-Profile _____	24
Dimmer 1-10V _____	138	LED 350/9W _____	124	Socket _____ from 139	
DK 3 _____	105	LED 350/2x9W _____	125	Switch _____ from 133	
DK 3-LED _____	104	LED 350/2x9W dim _____	126	T	
E		LED ADD-ON _____	88	Transformer / Halogen _____ from 116	
EBS 4 _____	135	LED Eye _____	44	Transformer / LED 350mA _____	124
EH 24 _____	60	LED Flat-Stick _____	80	Transformer / LED 24V _____ from 127	
EH 24-LED 2 _____	46	LED Line _____	74	Triangular Luminaire UL 1 _____	107
EH 52 _____	61	LED ON TOP _____	83	Triangular Luminaire UL 1 LED _____	106
ER-LED / EQ-LED _____	48	LED Point _____	82	U	
F		LED RGB Line _____	110	UL 1 _____	107
FD 44 _____	30	LED Stick 2 _____	76	UL 1-LED _____	106
FD 5 _____	32	LED Twin-Stick 2 _____	78	V	
FD 7 _____	34	Luxor _____	140	Vario _____	102
FD 8 (T5) _____	36	M		Vario LED _____	100
FD 8 (T8) _____	38	MBL 120 _____	122	Vega K 70 _____	118
Futura Plus R _____	96	MBL/F 60 _____	117	W	
G		MBL/F 105 _____	120	WX 150 _____	123
Gamma _____	90	Memphis Cornice _____	85		
GDS 1-LED _____	81	Memphis Under-Cabinet _____	91		
Glass Shelf Luminaire GS 2 _____	84	Mini AMP _____	130		
		MK 2 _____	28		
		P			
		Puck LED 2 _____	89		
		Puma 105 _____	121		

Contents



Introduction		5 – 11
Linear luminaires		12 – 41
Recessed luminaires		42 – 67
Over-cabinet luminaires		68 – 71
Cornice luminaires		72 – 85
Under-cabinet luminaires		86 – 107
RGB colour change		108 – 113
Accessories		114 – 144
Appendix		145 – 153
Index by article number		154 – 159

We are working for your success



Satisfied customers worldwide

Your satisfaction is our main business objective. That's why your requirements set the goalposts for our activities. Hera's lighting solutions are based on what you need – a building block for your marketing success!



Market-driven standard range – individual tailor-made solutions

At Hera choice is the name of the game. You can choose from our wide range of standard products, or opt for your own special solution. We are continuously improving our products and adjusting our standard range to meet current market requirements. But we are also happy to design your own individual lighting solution – for home or business. You are in good hands!



Staff who understand you

Hera's development team of qualified technicians and engineers, along with our top quality equipment, is at your disposal. Regular training is a matter of course for our staff, enabling them to give you the best possible advice for the job in hand. In addition, the close links between research and development, sales and production guarantee that your needs will be translated into marketable, innovative products – fast. Try us!



Tried and tested quality

Our policy at Hera is to offer all our customers consistently high quality. All our products are tested in our laboratory to ensure that they conform to the highest standards of stability, reliability and safety.



Always at the cutting edge of technology

We have complied for many years now with the certification requirements of DIN EN ISO 9001:2000, which is audited each year. Hera luminaires are designed and manufactured in accordance with European standard EN 60598. We also meet the VDE 0710 standard for furniture lighting.



Punctual delivery

Our word is our bond. Thanks to computerised systems we can usually deliver standard items within 3 working days. Also, almost 100% of our custom-made products leave our plant in time for delivery on the agreed date. And if at any time you want it even faster, we will do our very best to respond to your needs.



Minimal tools required = cost savings on mounting

A part of our company philosophy is that our products should be fast and easy to install and replace. Our solutions have all been tried and tested, and are easy to operate. Minimal need for tools and clear mounting instructions ensure trouble-free installation. This also minimises your costs.



Best quality at attractive prices

You don't have to compromise on quality: Hera stands for products of unvarying quality – at affordable prices.

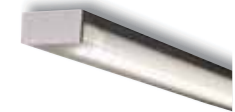
Examples of Application – Kitchen and Bathroom



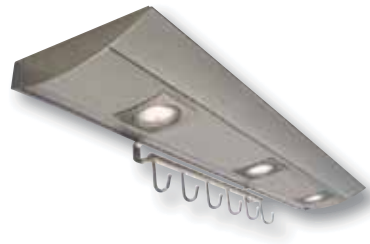
EQ-LED
Page 48



LED ADD-ON
Page 88



Futura Plus R
Page 96



Memphis
Page 91



LED Twin-Stick 2
Page 78



Memphis
Page 85



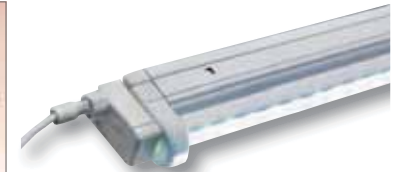
Examples of Application – Shopfittings and Exhibitions



FD 8
Page 36



SlimLite® CS LED
Page 14



Basic Line
Page 26



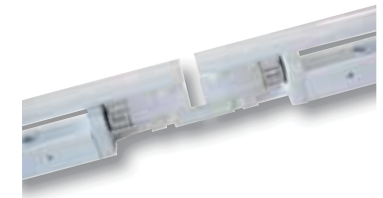
LED Eye 255
Page 44



LED Twin-Stick 2
Page 78



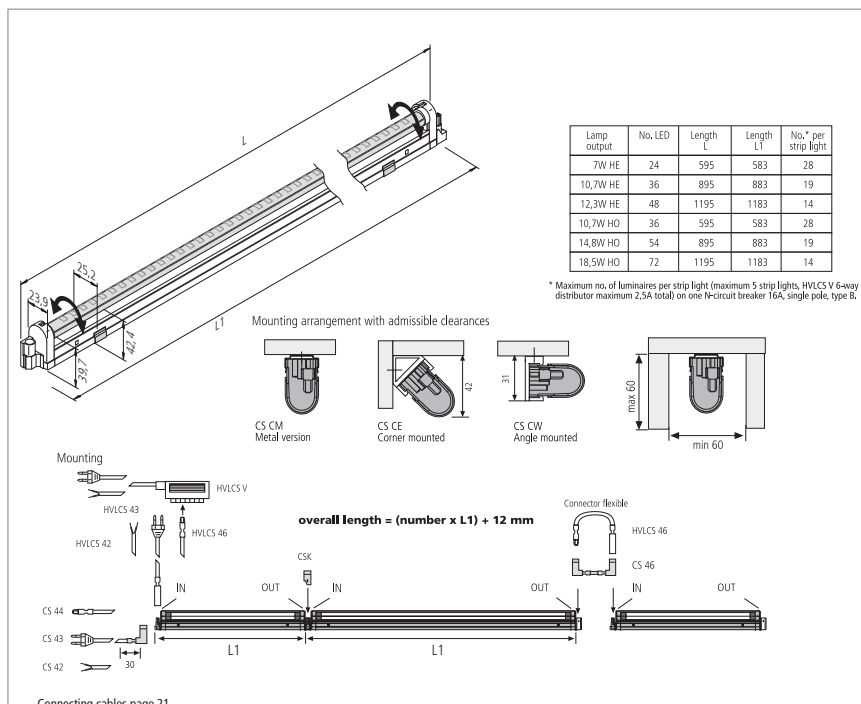
SlimLite® CS Seamless
Page 18



Linear luminaires

General diffused lighting over areas of any length is one of the outstanding characteristics of Hera's linear luminaires. Plugs and sockets along with various sizes of luminaire make it possible to fit strip lighting in almost any length required. Flexible connections provide continuous light, including corner and curved applications.

SlimLite® CS LED



SlimLite® CS LED



Swivel and Tilt LED Linear Luminaire for 230V

- Application:** suitable for shopfittings, counters, shelving units, display cabinets, behind lighting screens etc.
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely log-life 200mW LED, ϕ life 30,000 hours
- Energy efficiency:** good, 67 - 77lm/W (7 - 18,5W)
- Colour rendering:** good, Ra = 90
- Special features:** LEDs swivel and tilt 180°; rigid connector for minimal spacing between luminaires; vertical plug-in system allows later removal from the strip light; many accessories.



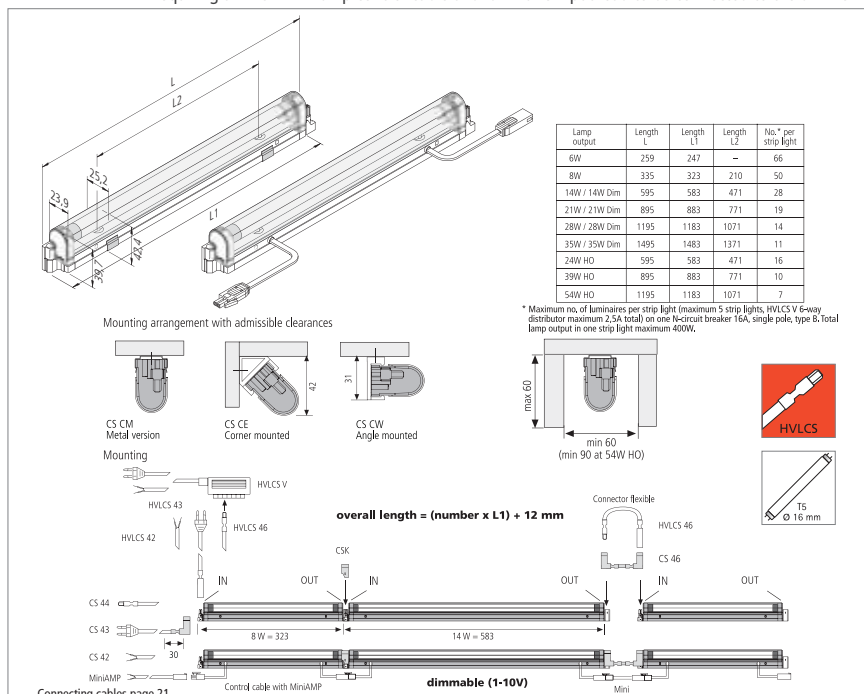
Article No.	Description	Illustration	Features	Approx. weight
610 012 901 02 *	SlimLite CS LED HE 595mm 7,0W ww		- light colour ww (warm white) approx. 3200K - aluminium casing - incl. mounting clip CS CM	400 g
610 012 902 02 *	SlimLite CS LED HE 895mm 10,7W ww			580 g
610 012 903 02 *	SlimLite CS LED HE 1195mm 12,3W ww			750 g
610 012 901 01 *	SlimLite CS LED HE 595mm 7,0W nw		- light colour nw (neutral white) approx. 4100K - aluminium casing - incl. mounting clip CS CM	400 g
610 012 902 01 *	SlimLite CS LED HE 895mm 10,7W nw			580 g
610 012 903 01 *	SlimLite CS LED HE 1195mm 12,3W nw			750 g
610 012 911 02 *	SlimLite CS LED HO 595mm 10,7W ww		- light colour ww (warm white) approx. 3200K - aluminium casing - incl. mounting clip CS CM	400 g
610 012 912 02 *	SlimLite CS LED HO 895mm 14,8W ww			580 g
610 012 913 02 *	SlimLite CS LED HO 1195mm 18,5W ww			750 g
610 012 911 01 *	SlimLite CS LED HO 595mm 10,7W nw		- light colour nw (neutral white) approx. 4100K - aluminium casing - incl. mounting clip CS CM	400 g
610 012 912 01 *	SlimLite CS LED HO 895mm 14,8W nw			580 g
610 012 913 01 *	SlimLite CS LED HO 1195mm 18,5W nw			750 g
Accessories	Connecting cables page 21			

* available from October

SlimLite® CS



HE - high efficiency Fluorescent luminaire with a high light output, designed to be efficient and economical
HO - high output Fluorescent luminaire with over 50% greater luminous flux output per lamp
DIM 1-10V Dimmable luminaire with 1-10V control cables (Mini AMP plug and coupler; dimming area 10-100%); the luminaires cannot be operated with a leading or trailing edge dimmer. They can either be operated with the dimmer shown on page 138 or a 1-10V flush-mounted dimmer, requiring a 1-10V mini amp control cable and luminaire input lead to be connected to the dimmer.



SlimLite® CS

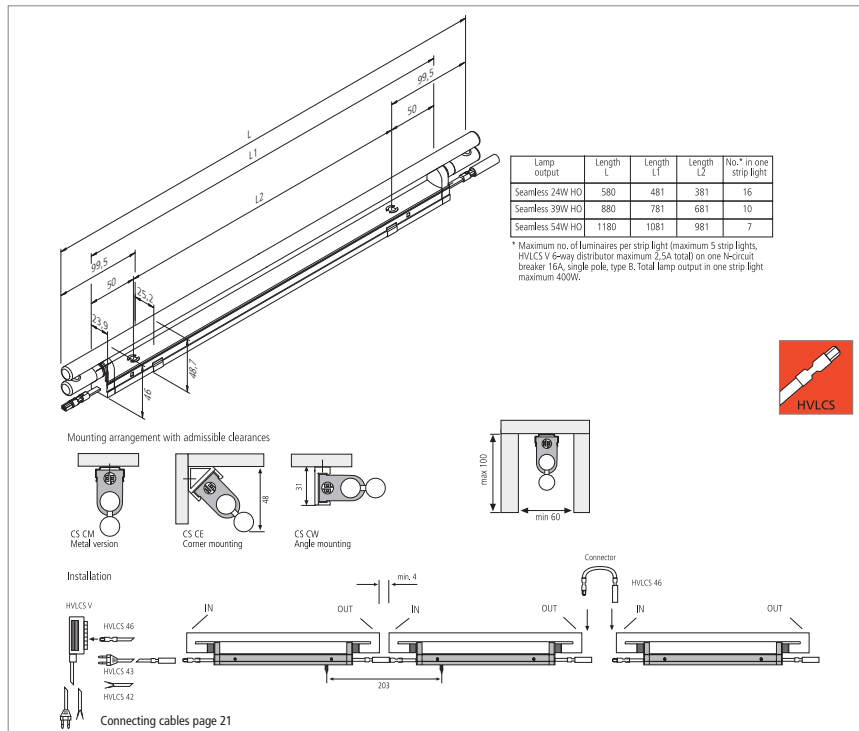


Compact luminaire with aluminium casing and 8mm plug-in system

Connection: 220 – 240V / 50 – 60Hz
Lamp: extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours or high output fluorescent lamp, ø life 24,000 hours
Energy efficiency: very good, 86 – 94lm/W (14 – 35W)
Colour rendering: good, Ra = 80 – 89
Special features: flicker-free instant start and power-saving due to electronic ballast; ideal for food industry applications due to plexiglass cover (splinter shield); rigid connector for minimal spacing between luminaires; vertical plug-in system allows later removal from the strip light; many accessories; dimmable version 1-10V; from 8 W version „screw-through“.

Article No.	Description	Illustration	Features	Approx. weight
501 150 100 00	SlimLite CS 259mm 6W		• please order T5 lamps (from page 142) separately • plexiglass cover see below • from 8W „screw-through“ • aluminium casing • incl. mounting clip CS CM	120 g
501 150 200 00	SlimLite CS 335mm 8W			150 g
501 150 300 00	SlimLite CS 595mm 14W HE			260 g
501 150 400 00	SlimLite CS 895mm 21W HE			360 g
501 150 500 00	SlimLite CS 1195mm 28W HE			475 g
501 150 600 00	SlimLite CS 1495mm 35W HE			565 g
501 151 300 00	SlimLite CS 595mm 24W HO			260 g
501 151 400 00	SlimLite CS 895mm 39W HO			360 g
501 151 500 00	SlimLite CS 1195mm 54W HO			475 g
501 152 030 00	SlimLite CS 595mm 14W dimmable (1-10V)			340 g
501 152 040 00	SlimLite CS 895mm 21W dimmable (1-10V)		• please order T5 HE lamps (from page 142) separately • plexiglass cover see below • „screw-through“ • aluminium casing, incl. mounting clip CS CM • Dim range 10-100% • Dimmer page 138	440 g
501 152 050 00	SlimLite CS 1195mm 28W dimmable (1-10V)			555 g
501 152 060 00	SlimLite CS 1495mm 35W dimmable (1-10V)			645 g
215 032 205 01	Mini AMP 1-10V mains cable 1m		• with ferrules • for dimmable version 1 - 10V	35 g
215 032 202 60	Mini AMP 1-10V connecting cable 0,15m			10 g
215 032 202 70	Mini AMP 1-10V connecting cable 0,3m			15 g
215 032 202 80	Mini AMP 1-10V connecting cable 0,6m			25 g
215 032 202 90	Mini AMP 1-10V connecting cable 1,2m			45 g
215 032 202 02	Mini AMP 1-10V connecting cable 1,8m			65 g
203 011 802 01	CS-PL plexiglass cover 6W		• for HE, HO and dimmable version	20 g
203 011 802 02	CS-PL plexiglass cover 8W			30 g
203 011 802 03	CS-PL plexiglass cover 14/24W			55 g
203 011 802 04	CS-PL plexiglass cover 21/39W			80 g
203 011 802 05	CS-PL plexiglass cover 28/54W			110 g
203 011 802 06	CS-PL plexiglass cover 35W			130 g
202 040 103 41	CS CM mounting clip metal version		• 2 clips and 2 screws • 3 clips and 6 screws	20 g
202 040 103 42	CS CE mounting clip corner mounting 45°			20 g
202 040 103 43	CS CW mounting clip angle mounting 90°			20 g
Accessories	Connecting cables page 21			

SlimLite® CS Seamless



SlimLite® CS Seamless



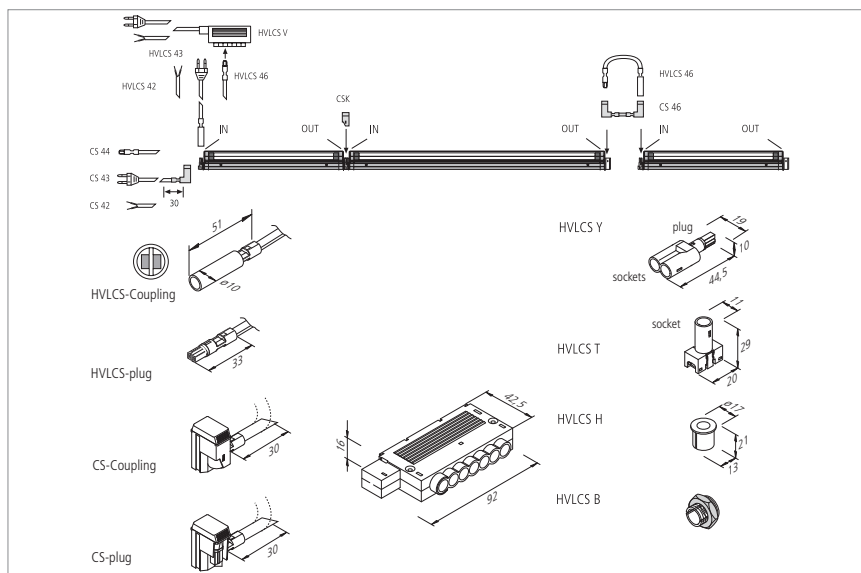
Compact luminaire with aluminium casing without Dark Zones

- Application:** suitable for shopfittings, counters, shelving units, display cabinets, behind lighting screens etc. without dark zones
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) **Seamless high output** fluorescent lamp, ø life 12,000 hours
- Energy efficiency:** good - very good, 73 - 82lm/W (24 - 54W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving and suitable for frequent on/off switching via an electronic ballast; vertical plug-in system allows later removal from the strip light; many accessories; „screw-through“ ability for mounting without any extra clips.

The SlimLite® CS Seamless is the ideal lighting system for creating long, seamless light-bands, with virtually no dark spots. This model can be adapted to any room layout, is available in three different lengths and therefore offers an endless range of design possibilities. Depending on the output of each lamp, a total of 7 to 16 lamps can be linked up. Another advantage of this system is that it can be screwed in, making the installation easy as child's play without the use of additional clips.

Article No.	Description	Illustration	Features	Approx. weight.
501 153 300 00	SlimLite CS Seamless 580 mm 24W HO		• please order T5 Seamless HO lamps separately • „screw-through“ • aluminium casing • incl. mounting clip CS CM	260 g
501 153 400 00	SlimLite CS Seamless 880 mm 39W HO			360 g
501 153 500 00	SlimLite CS Seamless 1180 mm 54W HO			475 g
201 010 121 11	Fluorescent lamp T5 HO 24W/830 ww Seamless		• L = 580mm • Luminous flux max.: 1750lm	50 g
201 010 121 01	Fluorescent lamp T5 HO 24W/840 cw Seamless			50 g
201 010 121 12	Fluorescent lamp T5 HO 39W/830 ww Seamless			75 g
201 010 121 02	Fluorescent lamp T5 HO 39W/840 cw Seamless		• L = 880mm • Luminous flux max.: 3100lm	75 g
201 010 121 13	Fluorescent lamp T5 HO 54W/830 ww Seamless			105 g
201 010 121 03	Fluorescent lamp T5 HO 54W/840 cw Seamless			105 g
202 040 103 41	CS CM mounting clip metal version		• 2 clips and 2 screws	20 g
202 040 103 42	CS CE mounting clip corner mounting 45°			20 g
202 040 103 43	CS CW mounting clip angle mounting 90°			20 g
Accessories:	Connecting cables page 21			

SlimLite® CS Accessories



SlimLite® CS Accessories



Article No.	Description	Illustration	Features	Approx. weight.
215 260 218 01	CS 42/1800 mains cable with AE 1,8m		horizontal luminaire connection with AE (ferrules), Euro (Euro plug), Schuko (Shockproof plug loose) or HVLC plug	70 g
215 260 230 01	CS 42/3000 mains cable with AE 3m			100 g
215 260 318 01	CS 43/1800 mains cable with Euro 1,8m			90 g
215 260 330 01	CS 43/3000 mains cable with Schuko 3m			130 g
215 260 418 01	CS 44/1800 mains cable with HVLC 1,8m			70 g
215 260 601 01	CS 46/ 150 connecting cable 0,15m			15 g
215 260 603 01	CS 46/ 300 connecting cable 0,3m			20 g
215 260 606 01	CS 46/ 600 connecting cable 0,6m			30 g
215 260 612 01	CS 46/1200 connecting cable 1,2m		- to connect a CS on a XL outlet - to connect a XL on a CS outlet	50 g
215 260 618 01	CS 46/1800 connecting cable 1,8m			70 g
215 260 000 01	CSK connecting coupling			4 g
215 120 507 01	adaptor cable XL-plug / CS-socket 0,15m			15 g
215 120 507 02	adaptor cable CS-plug / XL-socket 0,15m			15 g
215 120 507 11	adaptor cable XLB-plug / HVLC-socket 0,1m			15 g
215 120 507 12	adaptor cable HVLC-plug / XLB-socket 0,1m			15 g
215 440 220 02	HVLC 42/2000 mains cable with AE 2m		- vertical luminaire connection with AE (ferrules) or Euro (Euro plug) - further HVLC accessories on page 131	70 g
215 440 320 01	HVLC 43/2000 mains cable with Euro 2m			90 g
215 441 120 01	HVLC V/2000 6-way distributor with Euro 2m			120 g
215 440 601 01	HVLC 46/ 150 connecting cable 0,15m			20 g
215 440 605 01	HVLC 46/ 500 connecting cable 0,5m			30 g
215 440 610 01	HVLC 46/1000 connecting cable 1m			45 g
215 440 615 01	HVLC 46/1500 connecting cable 1,5m			60 g
215 440 620 01	HVLC 46/2000 connecting cable 2m			75 g
215 441 300 01	HVLC Y-distributor		- with one plug and 2 sockets - can be snapped onto any part of the cable	4 g
215 441 400 01*	HVLC T-Adaptor with one socket			3 g
215 441 500 01	HVLC H Wood flush-type socket			1 g
215 441 501 11	HVLC B metal flush-type socket with nut			4 g

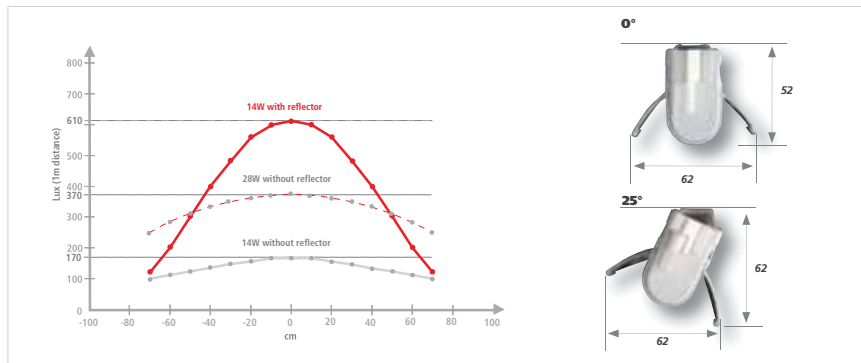
* necessary crimping tool on request

SlimLite® CS Reflector



Reflector for SlimLite® CS

- for SlimLite CS HE, HO and dimmable version
- beam angle 50°
- standard installation mount clip 0°
(also use together with mount clip CS CE corner mounting 45° or CS CW angle mounting 90°)
- for an asymmetrical lighting it is also possible to fix this luminaire at a 25° angle



Article No.	Description	Illustration	Features	Approx. weight
204 040 101 00	CS- Reflector 180mm 6W		• Mount clip (0° or 25°- see below) • for HE, HO and dimmable version	15 g
204 040 102 00	CS- Reflector 256mm 8W			20 g
204 040 103 00	CS- Reflector 516mm 14/24W			40 g
204 040 104 00	CS- Reflector 816mm 21/39W			65 g
204 040 105 00	CS- Reflector 1116mm 28/54W			90 g
204 040 106 00	CS- Reflector 1416mm 35W		• 3 clips + 3 screws	115 g
202 040 103 44	CS CR mount clip for 0° reflector			20 g
202 040 103 45	CS CR mount clip for 25° reflector			20 g

SlimLite® CS Coved Lighting



Mounting bracket for SlimLite® CS coved lighting

- for SlimLite® CS HE, HO and dimmable version with reflector 25°



Article No.	Description	Illustration	Features	Approx. weight
202 040 111 01	CS mounting bracket for coved lighting		• 60x60x60mm	75 g

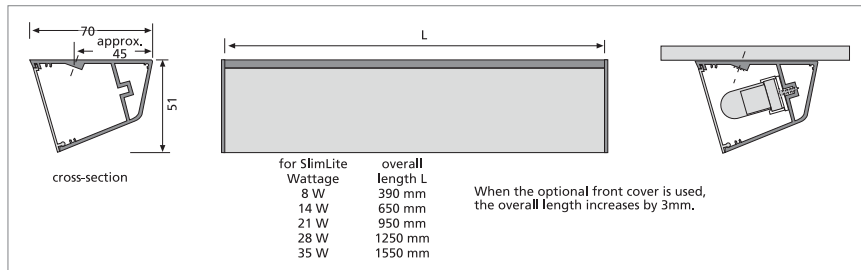
SlimLite®-Profile

IP 20



Mounting profile for SlimLite®-models

- suitable for shopfittings, counters, shelving units, showcases etc.
- for SlimLite® SLX, XL, XL HO, XL Dim, CS, CS HO and CS Dim



Article No.	Description	Illustration	Features	Approx. weight
501 140 101 01	SlimLite-Profile 390mm anodised aluminium		• please order SlimLite lamps separately • incl. cover	520 g
501 140 201 01	SlimLite-Profile 650mm anodised aluminium			870 g
501 140 301 01	SlimLite-Profile 950mm anodised aluminium			1270 g
501 140 401 01	SlimLite-Profile 1250mm anodised aluminium			1670 g
501 140 501 01	SlimLite-Profile 1550mm anodised aluminium			2070 g
502 008 010 01	Front cover set SlimLite-Profile anodised aluminium		• version left + right + screws	25 g

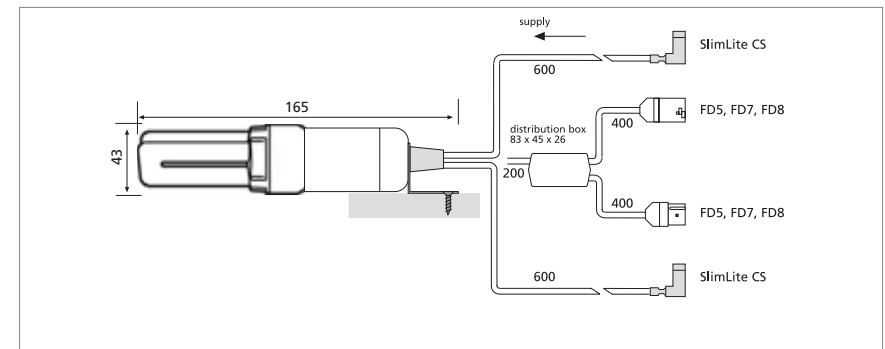
Corner Lighting

IP 20



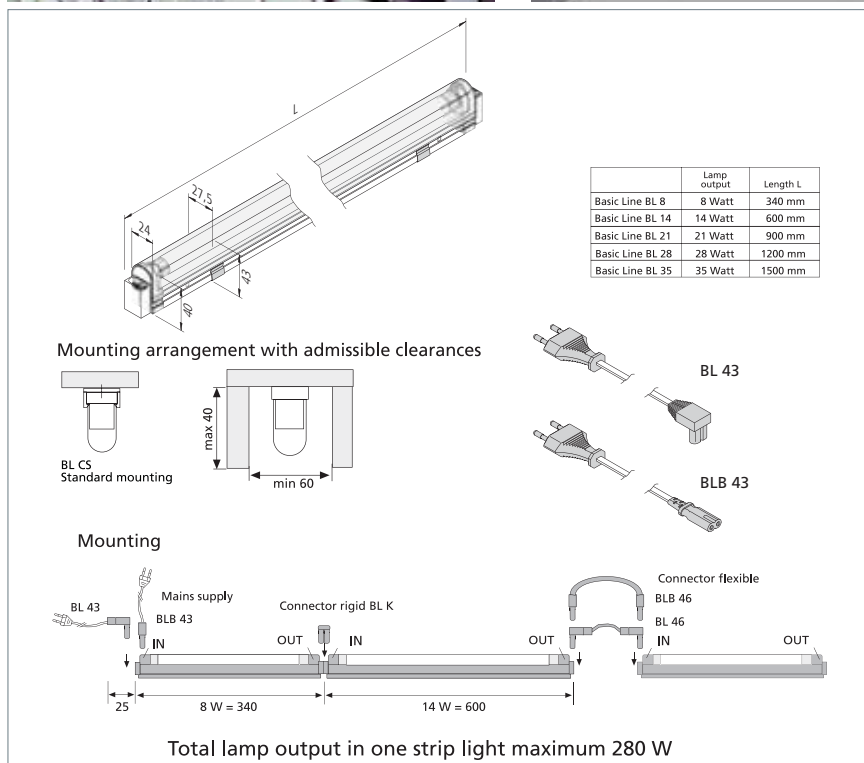
Corner lighting for coved lighting

- Connection: 220 – 240V / 50 – 60Hz
- Lamp output: 8W (DULUX Star)
- integrated directly into the light strip with plug-in system
- simple assembly with mounting bracket



Article No.	Description	Features	Approx. weight
501 133 002 00	Corner lighting 8W/840 E27 for SlimLite cs	• incl. mounting bracket • colour appearance cw (cool white)	155 g
501 133 003 00	Corner lighting 8W/840 E27 for FD5, FD7, FD8		200 g

Basic Line



Basic Line



Compact luminaire with aluminium casing for T5 Lamp

- Application:** universally suitable for shop-fittings, counters, shelving units, display cabinets, use behind lighting screens etc.
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** very good, 86 – 94lm/W (14 – 35W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving due to an electronic ballast (cold start electronic ballast optimised for switching on/off max. 3-4 times a day); plexiglass cover (splinter shield) makes product ideal for use in the food industry; rigid connectors for minimum spacing between luminaires; vertical plug-in system allows later removal from the strip light.



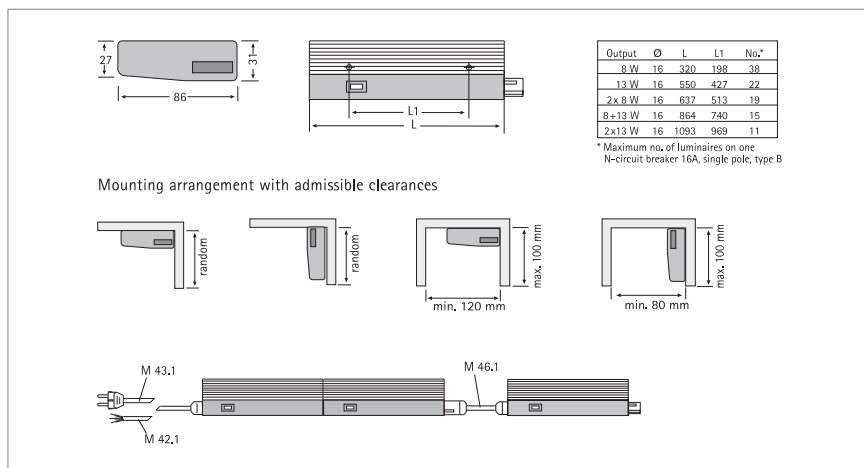
Article-No.	Description	Illustration	Features	Approx. weight
202 220 110 00	Basic Line BL 340mm 8W		• please order T5 lamps (from page 142) separately • plexiglass cover see below	230 g
202 220 120 00	Basic Line BL 600mm 14W			360 g
202 220 130 00	Basic Line BL 900mm 21W			490 g
202 220 140 00	Basic Line BL 1200mm 28W			640 g
202 220 150 00	Basic Line BL 1500mm 35W			800 g
215 140 318 01	BL 43/1800 mains cable with Euro plug 1,8m		• horizontal luminaire connection	95 g
215 140 601 01	BL 46/ 150 connecting cable 0,15m			20 g
215 140 603 01	BL 46/ 300 connecting cable 0,3m			30 g
215 140 606 01	BL 46/ 600 connecting cable 0,6m			40 g
215 140 612 01	BL 46/1200 connecting cable 1,2m			80 g
215 140 618 01	BL 46/1800 connecting cable 1,8m			120 g
215 141 318 01	BLB 43/1800 mains cable with Euro plug 1,8m		• vertical luminaire connection	95 g
215 141 601 01	BLB 46/ 150 connecting cable 0,15m			20 g
215 141 603 01	BLB 46/ 300 connecting cable 0,3m			30 g
215 141 606 01	BLB 46/ 600 connecting cable 0,6m			40 g
215 141 612 01	BLB 46/1200 connecting cable 1,2m			80 g
215 141 618 01	BLB 46/1800 connecting cable 1,8m			120 g
215 140 000 01	BLK connecting coupling			10 g
203 012 501 01	BL plexiglass cover 8W			20 g
203 012 502 01	BL plexiglass cover 14W			45 g
203 012 503 01	BL plexiglass cover 21W			60 g
203 012 504 01	BL plexiglass cover 28W			90 g
203 012 505 01	BL plexiglass cover 35W			110 g

MK 2



Flat Linear Luminaire with Plexiglass Cover

- Application:** flat linear luminaire for illuminating kitchen worktops, etc.
Connection: 220 – 240V / 50 – 60Hz
Lamp: long-life T5 (ø 16mm) fluorescent lamp, ø life 7,000 hours
Energy efficiency: good, 56 – 64lm/W (8 – 13W)
Colour rendering: good, Ra = 80 – 89
Special features: flicker-free instant start, energy-saving and suitable for frequent on/off switching via an electronic ballast; integrated plug and socket in casing for uninterrupted strip lights; with integrated switch.



MK 2



MK 2 – the extremely flat linear luminaire for installation under hanging kitchen cupboards without lighting screens, for example. The luminaires are available in five lengths from 320 to 1095 mm and can be combined to produce the desired length, without gaps. Connecting cables are available for mounting the luminaires with clearance, if desired.

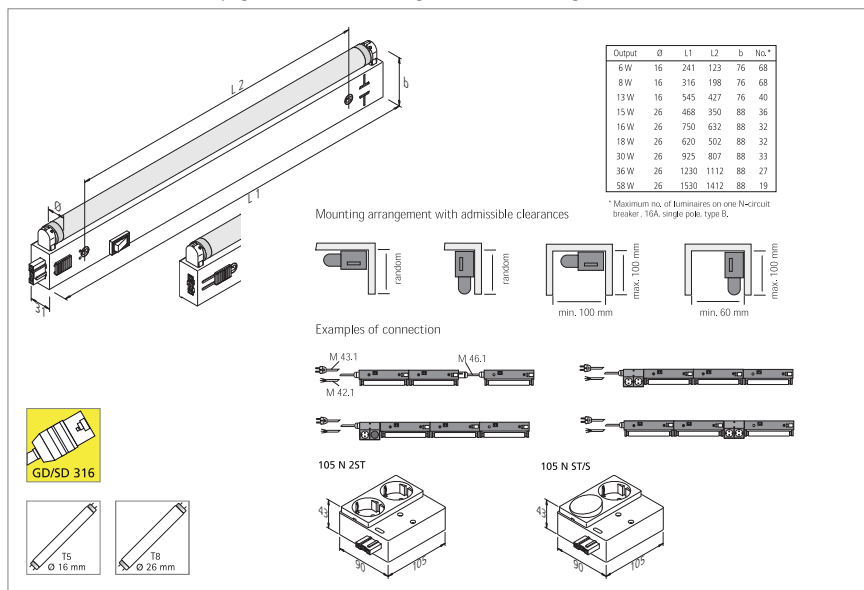
Article No.	Description	Illustration	Features	Approx. weight	
501 000 501 02	MK 2 320mm 8W		- incl. electronic ballast - incl. T5 lamp ww (warm white) - incl. switch - incl. plexiglass cover	600 g	
501 000 502 02	MK 2 550mm 13W			900 g	
501 000 503 02	MK 2 637mm 2x8W			1150 g	
501 000 504 02	MK 2 866mm 8+13W			1300 g	
501 000 505 02	MK 2 1095mm 2x13W			1900 g	
501 000 531 02	MK 2 320mm 8W silver		- incl. electronic ballast - incl. T5 lamp ww (warm white) - incl. switch - incl. plexiglass cover - silver-coloured casing	600 g	
501 000 532 02	MK 2 550mm 13W silver			900 g	
501 000 533 02	MK 2 637mm 2x8W silver			1150 g	
501 000 534 02	MK 2 866mm 8+13W silver			1300 g	
501 000 535 02	MK 2 1095mm 2x13W silver			1900 g	
215 100 105 01	M42.1/ 500 mains cable 0.5m		with ferrules	70 g	
215 100 102 01	M42.1/1000 mains cable 1m			120 g	
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g	
215 100 101 01	M42.1/2000 mains cable 2m			220 g	
215 100 104 01	M42.1/3000 mains cable 3m			320 g	
215 100 204 01	M43.1/1000 mains cable 1m		with shockproof right angle plug D/F/B	170 g	
215 100 203 01	M43.1/1500 mains cable 1.5m			220 g	
215 100 201 01	M43.1/2000 mains cable 2m			270 g	
215 100 202 01	M43.1/3000 mains cable 3m			370 g	
215 100 401 01	M46.1/ 200 connecting cable 0.2m		mountable	50 g	
215 100 404 01	M46.1/ 300 connecting cable 0.3m			60 g	
215 100 402 01	M46.1/ 500 connecting cable 0.5m			80 g	
215 100 403 01	M46.1/1000 connecting cable 1m			130 g	
215 100 405 01	M46.1/1500 connecting cable 1.5m			180 g	
215 100 406 01	M46.1/2000 connecting cable 2m			230 g	
215 100 407 01	M46.1/3000 connecting cable 3m			320 g	
502 004 000 04	G 316 M socket	further information on page 132		25 g	
502 005 000 04	S 316 M plug			25 g	

FD 44



Flat Universal Linear Luminaire

- Application:** flat universal luminaire, e.g. in the kitchen, especially suitable for shallow lighting screens
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long life T8 (ø 26mm) fluorescent lamp, ø life 20,000 hours / or T5 (ø 16mm) fluorescent lamp, ø life 7,000 hours
- Energy efficiency:** good – very good, 45 – 90 lm/W (6-58W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** overall height only 31mm; flicker-free instant start, energy-saving due to an electronic ballast (30-58W: cold start electronic ballast optimised for switching on/off max. 3-4 times a day); can be mounted in rows without additional plug connectors; flush mounting socket outlet; with integrated switch.



FD 44



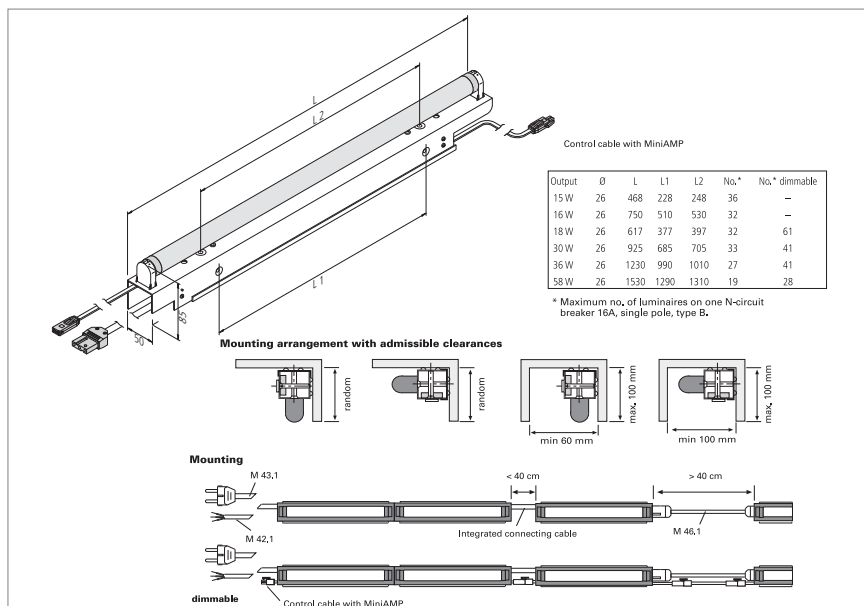
Article No.	Description	Illustration	Features	Approx weight
500 065 010 02	FD 44 241mm 6W (T5)		- incl. switch - incl. T5/T8 lamp ww (warm white) - incl. electronic ballast	420 g
500 065 020 02	FD 44 316mm 8W (T5)			490 g
500 065 040 02	FD 44 468mm 15W (T8)			690 g
500 065 030 02	FD 44 545mm 13W (T5)			740 g
500 065 060 02	FD 44 620mm 18W (T8)			900 g
500 065 050 02	FD 44 750mm 16W (T8)			1000 g
500 065 070 02	FD 44 925mm 30W (T8)			1460 g
500 065 080 02	FD 44 1230mm 36W (T8)			1820 g
500 065 090 02	FD 44 1530mm 58W (T8)			2110 g
500 065 110 00	FD 44 241mm 6W (T5) no switch		- without switch - T5/T8 lamp (from page 142) please order separately - incl. electronic ballast	400 g
500 065 120 00	FD 44 316mm 8W (T5) no switch			460 g
500 065 140 00	FD 44 468mm 15W (T8) no switch			620 g
500 065 130 00	FD 44 545mm 13W (T5) no switch			660 g
500 065 160 00	FD 44 620mm 18W (T8) no switch			810 g
500 065 150 00	FD 44 750mm 16W (T8) no switch			900 g
500 065 170 00	FD 44 925mm 30W (T8) no switch			1340 g
500 065 180 00	FD 44 1230mm 36W (T8) no switch			1660 g
500 065 190 00	FD 44 1530mm 58W (T8) no switch			1920 g
215 100 105 01	M42.1/ 500 mains cable 0.5m		- with ferrules - with shockproof right-angle plug D/F/B - mountable	70 g
215 100 102 01	M42.1/1000 mains cable 1m			120 g
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g
215 100 101 01	M42.1/2000 mains cable 2m			220 g
215 100 104 01	M42.1/3000 mains cable 3m			320 g
215 100 204 01	M43.1/1000 mains cable 1m			170 g
215 100 203 01	M43.1/1500 mains cable 1.5m			220 g
215 100 201 01	M43.1/2000 mains cable 2m			270 g
215 100 202 01	M43.1/3000 mains cable 3m			370 g
215 100 401 01	M46.1/ 200 connecting cable 0.2m			50 g
215 100 404 01	M46.1/ 300 connecting cable 0.3m	60 g		
215 100 402 01	M46.1/ 500 connecting cable 0.5m	80 g		
215 100 403 01	M46.1/1000 connecting cable 1m	130 g		
215 100 405 01	M46.1/1500 connecting cable 1.5m	180 g		
215 100 406 01	M46.1/2000 connecting cable 2m	230 g		
215 100 407 01	M46.1/3000 connecting cable 3m	320 g		
502 004 000 04	G 316 M socket	further information on page 132		25 g
502 005 000 04	S 316 M plug			25 g
506 220 320 01	105-44N-2ST socket, 2-way			175 g
506 230 320 00	105-44N-ST/S socket, 1-way with central switch			170 g

FD 5

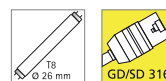
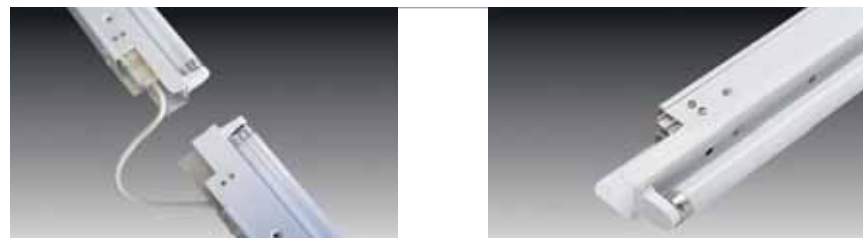


Linear Luminaire with integrated Connecting Cable

- Application:** diffused strip light for direct and indirect lighting in shop-fittings and exhibitions
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long-life T8 (ø 26mm) fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** good – very good, 63 – 79lm/W (15 – 58W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start, energy-saving due to an electronic ballast (not dimmable 30-58W: cold start electronic ballast optimised for switching on/off max. 3-4 times a day); dimmable version (1 – 10V) also available; integrated, flexible connection system; for horizontal and vertical mounting.



FD 5



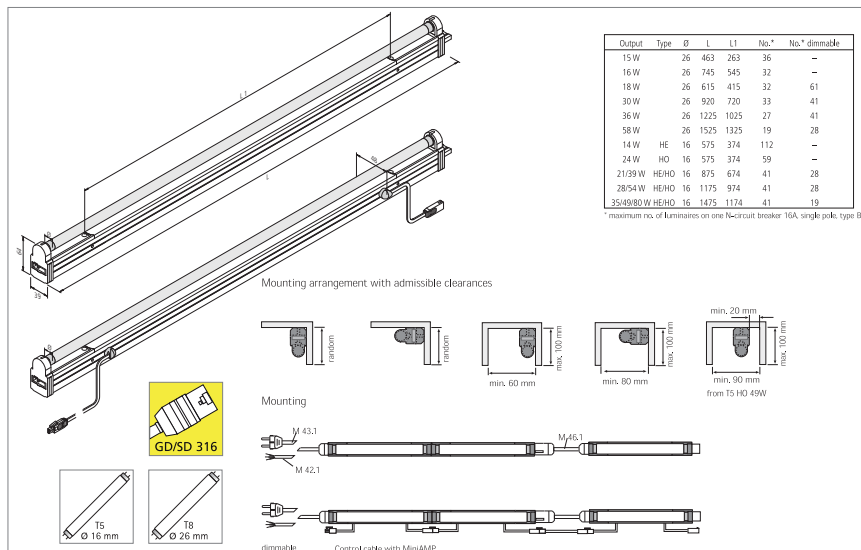
FD 5 – the flexible strip light for direct or indirect illumination. The integrated plug-in system with flexible connecting cable allows variable distances between luminaires of from 0 to 40 cm. Thanks to the through-wiring, light strips are easily viable. The luminaires are available in six lengths from 468 to 1530 mm with output levels from 15 to 58 W.

Article No.	Description	Illustration	Features	Approx. weight
501 071 301 00	FD 5 468mm 15W		• please order T8 lamp (page 143) separately • incl. electronic ballast	750 g
501 071 303 00	FD 5 620mm 18W			1000 g
501 071 302 00	FD 5 750mm 16W			1100 g
501 071 304 00	FD 5 925mm 30W			1500 g
501 071 305 00	FD 5 1230mm 36W			1950 g
501 071 306 00	FD 5 1530mm 58W			2300 g
501 070 902 02	FD 5 620mm 18W dimmable (1-10V)		• please order T8 lamp (page 143) separately • incl. electronic ballast • dimmable (1 – 10V) • Dimmer (page 138)	1250 g
501 070 903 00	FD 5 925mm 30W dimmable (1-10V)			1650 g
501 070 904 02	FD 5 1230mm 36W dimmable (1-10V)			2100 g
501 070 905 00	FD 5 1530mm 58W dimmable (1-10V)			2450 g
501 071 202 00	FD 5 620mm 18W dimmable (DALI)		• please order T8 lamp (page 143) separately • incl. electronic ballast • dimmable (DALI)	1250 g
501 071 203 00	FD 5 925mm 30W dimmable (DALI)			1650 g
501 071 204 00	FD 5 1230mm 36W dimmable (DALI)			2100 g
501 071 205 00	FD 5 1530mm 58W dimmable (DALI)			2450 g
215 100 105 01	M42.1/ 500 mains cable 0.5m		• with ferrules	70 g
215 100 102 01	M42.1/1000 mains cable 1m			120 g
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g
215 100 101 01	M42.1/2000 mains cable 2m			220 g
215 100 104 01	M42.1/3000 mains cable 3m			320 g
215 100 204 01	M43.1/1000 mains cable 1m		• with shockproof right angle plug D/F/B	170 g
215 100 203 01	M43.1/1500 mains cable 1.5m			220 g
215 100 201 01	M43.1/2000 mains cable 2m			270 g
215 100 202 01	M43.1/3000 mains cable 3m			370 g
215 100 401 01	M46.1/ 200 connecting cable 0.2m		• mountable	50 g
215 100 404 01	M46.1/ 300 connecting cable 0.3m			60 g
215 100 402 01	M46.1/ 500 connecting cable 0.5m			80 g
215 100 403 01	M46.1/1000 connecting cable 1m			130 g
215 100 405 01	M46.1/1500 connecting cable 1.5m			180 g
215 100 406 01	M46.1/2000 connecting cable 2m			230 g
215 100 407 01	M46.1/3000 connecting cable 3m			320 g
502 004 000 04	G 316 M socket			25 g
502 005 000 04	S 316 M plug			25 g



Linear Luminaire with Aluminium Casing

- Application:** quality linear luminaire for visible mounting in furniture, shelves, display cabinets, etc.
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long-life T5 (ø 16mm) high efficiency fluorescent lamp or T8 (ø 26mm) fluorescent lamp, ø life 20,000 hours / or high output fluorescent lamp, ø life 24,000 hours
- Energy efficiency:** good – very good, 63 – 94lm/W (15 – 58W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start, energy-saving due to an electronic ballast (not dimmable T8 30-58W: cold start electronic ballast optimised for switching on/off max. 3-4 times a day); dimmable version (1 – 10V) and with "intelligent" electronic ballast for different wattages (high efficiency or high output) also available; integrated contact slide allows later removal from the strip light; for horizontal and vertical mounting.



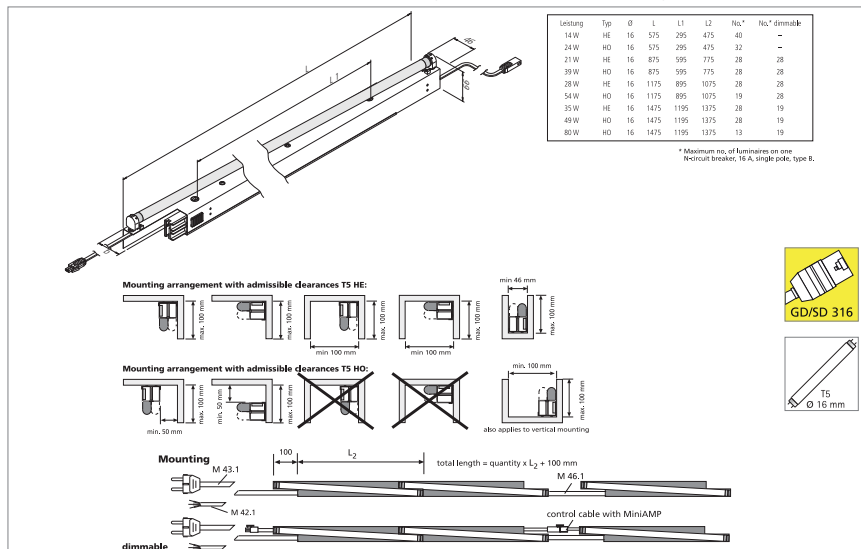
Article No.	Description	Illustration	Features	Approx. weight
501 093 104 00	FD 7 470mm 15W (T8)		• please order T8 lamp (page 143) separately • incl. electronic ballast	500 g
501 093 106 00	FD 7 620mm 18W (T8)			600 g
501 093 105 00	FD 7 750mm 16W (T8)			700 g
501 093 107 00	FD 7 925mm 30W (T8)			950 g
501 093 108 00	FD 7 1230mm 36W (T8)			1100 g
501 093 109 00	FD 7 1530mm 58W (T8)		• please order T8 lamp (page 143) separately • incl. electronic ballast • dimmable (1–10V) • Dimmer (page 138)	1500 g
501 092 200 10	FD 7 620mm 18W (T8) dimmable			850 g
501 092 201 10	FD 7 925mm 30W (T8) dimmable			1000 g
501 092 202 10	FD 7 1230mm 36W (T8) dimmable			1150 g
501 092 203 10	FD 7 1530mm 58W (T8) dimmable			1550 g
501 092 211 01	FD 7 575mm 14W (T5)		• please order T5 lamp (from page 142) separately • incl. electronic ballast	600 g
501 093 322 00	FD 7 875mm 21W (T5)			950 g
501 093 323 00	FD 7 1175mm 28W (T5)			1100 g
501 093 324 00	FD 7 1475mm 35W (T5)			1500 g
501 092 205 10	FD 7 875mm 21/39W (T5) dimmable		• please order T5 lamp (from page 142) separately • incl. electronic ballast • dimmable (1–10V) • Dimmer (page 138)	950 g
501 092 206 10	FD 7 1175mm 28/54W (T5) dimmable			1100 g
501 092 204 10	FD 7 1475mm 35/49/80W (T5) dimmable			1500 g
501 092 205 20	FD 7 875mm 21/39W (T5) dimmable			950 g
501 092 206 20	FD 7 1175mm 28/54W (T5) dimmable			1100 g
501 092 218 02	FD 7 1475mm 35/49/80W (T5) dimmable		• please order T5 lamp (from page 142) separately • incl. electronic ballast • dimmable (DALI)	1500 g
215 100 105 01	M42.1/ 500 mains cable 0.5 m			70 g
215 100 102 01	M42.1/1000 mains cable 1m			120 g
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g
215 100 101 01	M42.1/2000 mains cable 2m			220 g
215 100 104 01	M42.1/3000 mains cable 3m		• with ferrules	320 g
215 100 204 01	M43.1/1000 mains cable 1m			170 g
215 100 203 01	M43.1/1500 mains cable 1.5m			220 g
215 100 201 01	M43.1/2000 mains cable 2m			270 g
215 100 202 01	M43.1/3000 mains cable 3m			370 g
215 100 401 01	M46.1/ 200 connecting cable 0.2m		• with shockproof right angle plug D/F/B	50 g
215 100 404 01	M46.1/ 300 connecting cable 0.3m			60 g
215 100 402 01	M46.1/ 500 connecting cable 0.5m			80 g
215 100 403 01	M46.1/1000 connecting cable 1m			130 g
215 100 405 01	M46.1/1500 connecting cable 1.5m			180 g
215 100 406 01	M46.1/2000 connecting cable 2m		• mountable	230 g
215 100 407 01	M46.1/3000 connecting cable 3m			320 g
502 004 000 04	G316 M socket			25 g
502 005 000 04	S316 M plug			25 g

FD 8 (T5)



Diagonal Luminaire for Strip Lights without Dark Zones

- Application:** diagonal linear luminaire for optimal illumination of displays, slides and light boxes without dark zones
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours / or high output fluorescent lamp, ø life 24,000 hours
- Energy efficiency:** good – very good, 73 – 94lm/W (14 – 80W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start, energy-saving and suitable for frequent on/off switching via an electronic ballast; dimmable version also available (1 – 10V), and various wattages (high efficiency or high output). Subsequent removal from the light strip possible due to the integrated contact slide.



FD 8 (T5)



Article No.	Description	Illustration	Features	Approx. weight
501 100 401 00	FD 8 575mm 14W (T5) HE		• please order T5 HE lamp (from page 142) separately	650 g
501 100 402 00	FD 8 875mm 21W (T5) HE		• incl. electronic ballast	1200 g
501 100 403 00	FD 8 1175mm 28W (T5) HE			1650 g
501 100 404 00	FD 8 1475mm 35W (T5) HE			1950 g
501 100 501 00	FD 8 575mm 24W (T5) HO		• please order T5 HO lamp (page 142) separately	650 g
501 100 502 00	FD 8 875mm 39W (T5) HO		• incl. electronic ballast	1200 g
501 100 503 00	FD 8 1175mm 54W (T5) HO			1650 g
501 100 504 00	FD 8 1475mm 49W (T5) HO			1950 g
501 100 505 00	FD 8 1475mm 80W (T5) HO			1950 g
501 100 203 00	FD 8 875mm 21/39W (T5) dimmable			• please order T5 lamp (page 142) separately
501 100 204 00	FD 8 1175mm 28/54W (T5) dimmable	• incl. electronic ballast		1750 g
501 100 205 00	FD 8 1475mm 35/49/80W (T5) dimmable	• dimmable (1 – 10V)		2050 g
501 100 603 00	FD 8 875mm 21/39W (T5) dimmable	• Dimmer (page 138)		
501 100 604 00	FD 8 1175mm 28/54W (T5) dimmable			
501 100 605 00	FD 8 1475mm 35/49/80W (T5) dimmable		• please order T5 lamp (page 142) separately	1300 g
215 032 205 01	Mini AMP 1-10V mains cable 1m		• incl. electronic ballast	1750 g
215 032 202 60	Mini AMP 1-10V connecting cable 0,15m		• dimmable (DALI)	2050 g
215 032 202 70	Mini AMP 1-10V connecting cable 0,3m			
215 032 202 80	Mini AMP 1-10V connecting cable 0,6m			
215 032 202 90	Mini AMP 1-10V connecting cable 1,2m		• with ferrules	35 g
215 032 202 02	Mini AMP 1-10V connecting cable 1,8m		• for dimmable version 1 - 10V and DALI	10 g
215 100 105 01	M42.1/ 500 mains cable 0,5m			15 g
215 100 102 01	M42.1/1000 mains cable 1m			25 g
215 100 103 01	M42.1/1500 mains cable 1,5m			45 g
215 100 101 01	M42.1/2000 mains cable 2m			65 g
215 100 104 01	M42.1/3000 mains cable 3m			70 g
215 100 204 01	M43.1/1000 mains cable 1m			120 g
215 100 203 01	M43.1/1500 mains cable 1,5m			170 g
215 100 201 01	M43.1/2000 mains cable 2m			220 g
215 100 202 01	M43.1/3000 mains cable 3m		• with shockproof right angle plug D/F/B	320 g
215 100 401 01	M46.1/ 200 connecting cable 0,2m			170 g
215 100 404 01	M46.1/ 300 connecting cable 0,3m			220 g
215 100 402 01	M46.1/ 500 connecting cable 0,5m			270 g
215 100 403 01	M46.1/1000 connecting cable 1m			370 g
215 100 405 01	M46.1/1500 connecting cable 1,5m			50 g
215 100 406 01	M46.1/2000 connecting cable 2m			60 g
215 100 407 01	M46.1/3000 connecting cable 3m			80 g
502 004 000 04	G 316 M socket			130 g
502 005 000 04	S 316 M plug			180 g
				230 g
				320 g
				25 g
		further information on page 132		25 g

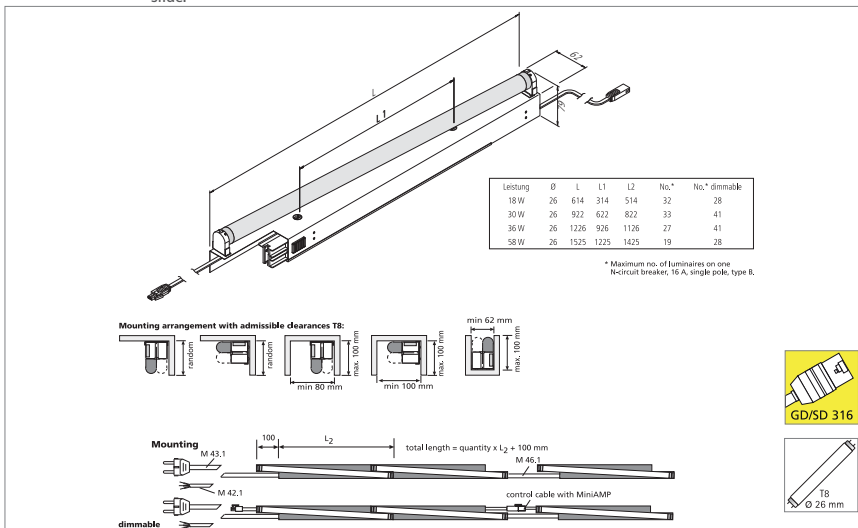
further information on page 132

FD 8 (T8)



Diagonal Luminaire for Strip Lights without Dark Zones

- Application:** diagonal linear luminaire for optimal illumination of displays, slides and light boxes without dark zones
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long-life T8 (ø 26mm) fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** good – very good, 75 – 90lm/W (18 – 58W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start, Energy-saving due to an electronic ballast (not dimmable 30-58W: cold start electronic ballast optimised for switching on/off max. 3-4 times a day); dimmable version also available (1 – 10V). Subsequent removal from the light strip possible due to the integrated contact slide.



FD 8 (T8)



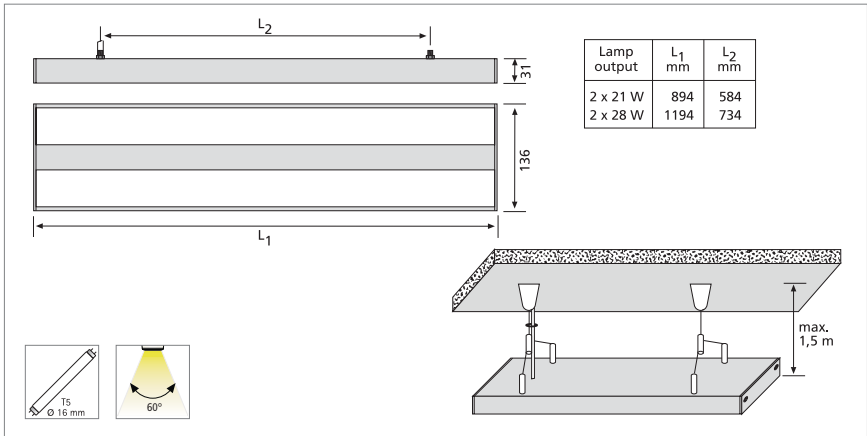
Article No.	Description	Illustration	Features	Approx. weight
501 100 306 00	FD 8 620mm 18W (T8)		• please order T8 lamp (page 143) separately • incl. electronic ballast	850 g
501 100 307 00	FD 8 925mm 30W (T8)			1400 g
501 100 308 00	FD 8 1230mm 36W (T8)			1750 g
501 100 309 00	FD 8 1530mm 58W (T8)			2100 g
501 100 106 30	FD 8 620mm 18W (T8) dimmable		• please order T8 lamp (page 143) separately • incl. electronic ballast • dimmable (1 – 10V) • Dimmer (page 138)	1250 g
501 100 107 30	FD 8 925mm 30W (T8) dimmable			1700 g
501 100 108 30	FD 8 1230mm 36W (T8) dimmable			2150 g
501 100 109 30	FD 8 1530mm 58W (T8) dimmable			2450 g
215 032 205 01	Mini AMP 1-10V mains cable 1m		• with ferrules • for dimmable version 1 - 10V and DALI	35 g
215 032 202 60	Mini AMP 1-10V connecting cable 0,15m			10 g
215 032 202 70	Mini AMP 1-10V connecting cable 0,3m			15 g
215 032 202 80	Mini AMP 1-10V connecting cable 0,6m			25 g
215 032 202 90	Mini AMP 1-10V connecting cable 1,2m			45 g
215 032 202 02	Mini AMP 1-10V connecting cable 1,8m		• with ferrules	65 g
215 100 105 01	M42.1/ 500 mains cable 0,5m			70 g
215 100 102 01	M42.1/1000 mains cable 1m			120 g
215 100 103 01	M42.1/1500 mains cable 1,5m			170 g
215 100 101 01	M42.1/2000 mains cable 2m			220 g
215 100 104 01	M42.1/3000 mains cable 3m		• with shockproof right angle plug D/F/B	320 g
215 100 204 01	M43.1/1000 mains cable 1m			170 g
215 100 203 01	M43.1/1500 mains cable 1,5m			220 g
215 100 201 01	M43.1/2000 mains cable 2m			270 g
215 100 202 01	M43.1/3000 mains cable 3m			370 g
215 100 401 01	M46.1/ 200 connecting cable 0,2m		• mountable	50 g
215 100 404 01	M46.1/ 300 connecting cable 0,3m			60 g
215 100 402 01	M46.1/ 500 connecting cable 0,5m			80 g
215 100 403 01	M46.1/1000 connecting cable 1m			130 g
215 100 405 01	M46.1/1500 connecting cable 1,5m			180 g
215 100 406 01	M46.1/2000 connecting cable 2m	230 g		
215 100 407 01	M46.1/3000 connecting cable 3m	320 g		
502 004 000 04	G 316 M socket			25 g
502 005 000 04	S 316 M plug			25 g

further information on page 132



Fluorescent pendant

- Application:** decorative pendant for the kitchen or shops over counter tops and tables
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** very good, 90 - 93lm/W (21 - 28W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start, energy-saving and suitable for frequent on/off switching via an electronic ballast; also ideal for food industry applications due to plexiglass cover (splinter shield)



Article No.	Description	Features	Approx. weight
501 220 101 02	AirLight 60 890mm 2x21W ww	• Anodised aluminium • colour appearance ww (warm white)	2200 g
501 220 102 02	AirLight 60 1190mm 2x28W ww		2700 g
501 220 101 01	AirLight 60 890mm 2x21W cw	• Anodised aluminium • colour appearance cw (cool white)	2200 g
501 220 102 01	AirLight 60 1190mm 2x28W cw		2700 g



Recessed luminaires

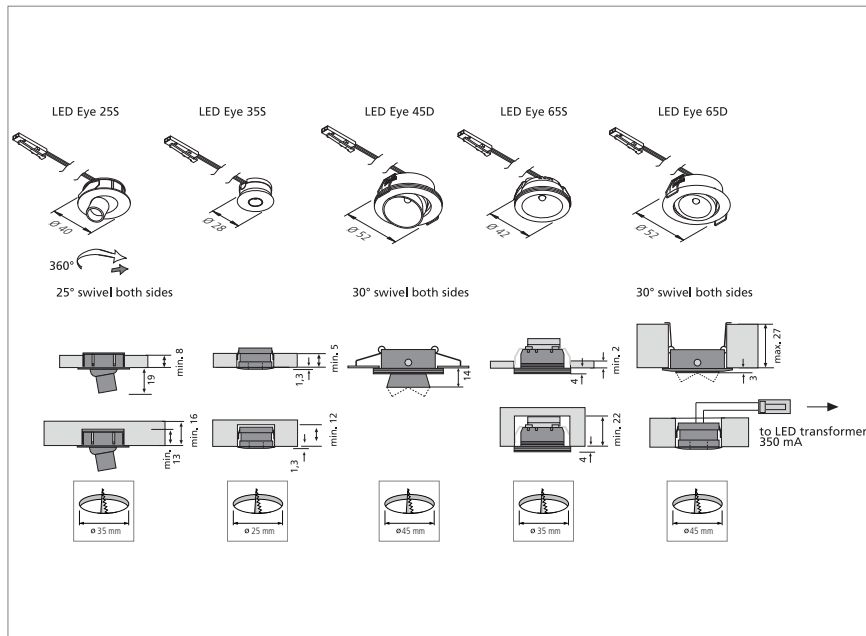
Hera's recessed luminaires offer brilliant lighting solutions for even the smallest of spaces. The outstanding feature of these systems is their shallow recess depth for different diameter luminaires, which makes them suitable for almost any need. Flat designs, some with a flush finish, emphasise the understated look.

LED Eye



Small LED Recessed Luminaire

Application: recessed spotlight for shelves and display cases at home and work
Connection: LED transformer DC 350mA
Lamp: extremely long-life 1 x 1W Power-LED, ϕ life 50,000 hours
Energy efficiency: good - very good, ww: 60lm/W; cw: 80lm/W
Colour rendering: ww: good, Ra = 90; cw: satisfactory, Ra = 75
Special features: minimal power consumption; no UV-rays; 5 versions with 25°, 35°, 45° and 65° beam angles; swivel for through-hole or rigid for blind hole.



LED Eye

LED
Halogen



ϕ 25 mm:
LED Eye 355
 ϕ 35 mm:
LED Eye 255 + 65S
 ϕ 45 mm:
LED Eye 45D + 65D

LED Eye – the spotlight for small spaces in a variety of different fixtures. Accentuated lighting in furniture, shelving and display cases, with “cool” light and a virtually unlimited life. Perfect for illuminating heat-sensitive areas and products in shops or bathrooms, kitchens and living areas. Includes 1W Power-LED.

Article No.	Description	Illustration	Features	Approx. weight
610 010 105 07	LED Eye 255 1W ww anodized alu		• supply cable 1.8m with LED plug • light colour ww (warm white) or cw (cool white) • beam angle 25° • blind hole	40 g
610 010 105 03	LED Eye 255 1W ww black			40 g
610 010 115 07	LED Eye 255 1W cw anodized alu			40 g
610 010 115 03	LED Eye 255 1W cw black			40 g
610 010 100 27	LED Eye 355 1W ww anodized alu		• supply cable 1.8m with LED plug • light colour ww (warm white) or cw (cool white) • beam angle 35° • blind hole	30 g
610 010 100 28	LED Eye 355 1W ww stainless steel			30 g
610 010 110 27	LED Eye 355 1W cw anodized alu			30 g
610 010 110 28	LED Eye 355 1W cw stainless steel			30 g
610 010 102 07	LED Eye 45D 1W ww aluminium		• supply cable 1.8m with LED plug • light colour ww (warm white) or cw (cool white) • beam angle 45° • through-hole	60 g
610 010 112 07	LED Eye 45D 1W cw aluminium			60 g
610 010 103 07	LED Eye 65S 1W ww aluminium		• supply cable 1.8m with LED plug • light colour ww (warm white) or cw (cool white) • beam angle 65° • blind hole	40 g
610 010 113 07	LED Eye 65S 1W cw aluminium			40 g
610 010 104 07	LED Eye 65D 1W ww aluminium		• supply cable 1.8m with LED plug • light colour ww (warm white) or cw (cool white) • beam angle 65° • through-hole	50 g
610 010 114 07	LED Eye 65D 1W cw aluminium			50 g
215 250 610 01	LED 350 connecting cable 1m			12 g
215 250 620 01	LED 350 connecting cable 2m			20 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug		• for 1 – 3 LED Eye (further information on page 124)	175 g
615 003 009 04	Transformer LED 350/9W 9-way distributor with Euro plug		• for 4 – 9 LED Eye (further information on page 124)	190 g

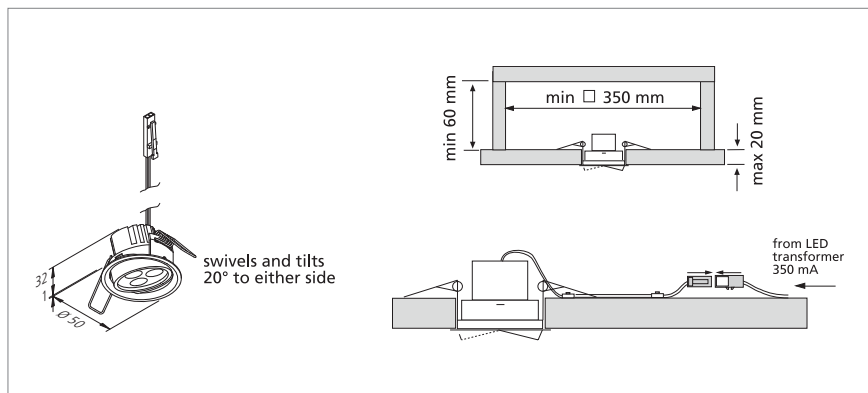
EH 24-LED 2



Photo: Schröder Küchen

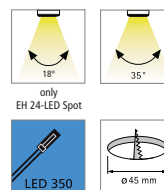
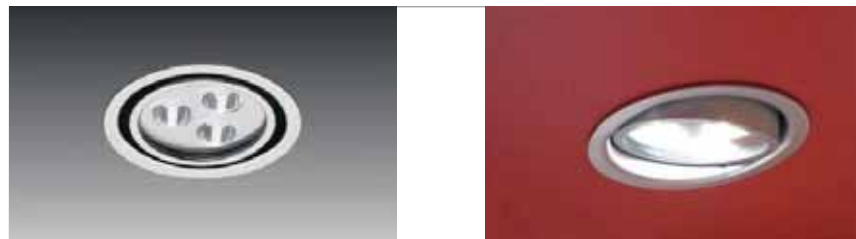
Recessed Swivel and Tilt LED Luminaire

- Application:** recessed spotlight for "cool" light in kitchen, bathroom and shop
- Connection:** LED-transformer DC 350mA
- Lamp:** extremely long-life 3 x 1W power-LEDs, ø life 60,000 hours
- Energy efficiency:** very good, ww: 80lm/W; cw: 90lm/W
- Colour rendering:** ww: good, Ra = 85; cw: satisfactory, Ra = 70
- Special features:** low power consumption; no UV rays; swivels and tilts 20° to both sides; metal casing; available in five casing colours.



EH 24-LED 2

LED
Halogen



EH 24-LED 2 – highly flexible, diffused illumination with "cool" light. Ideal for furniture and display cabinets, when products must be illuminated, but not heated. Ready-to-connect, swivel and tilt spotlight available in "cool white" and "warm white", with 3 power – LEDs of 1W each = 3 W total.

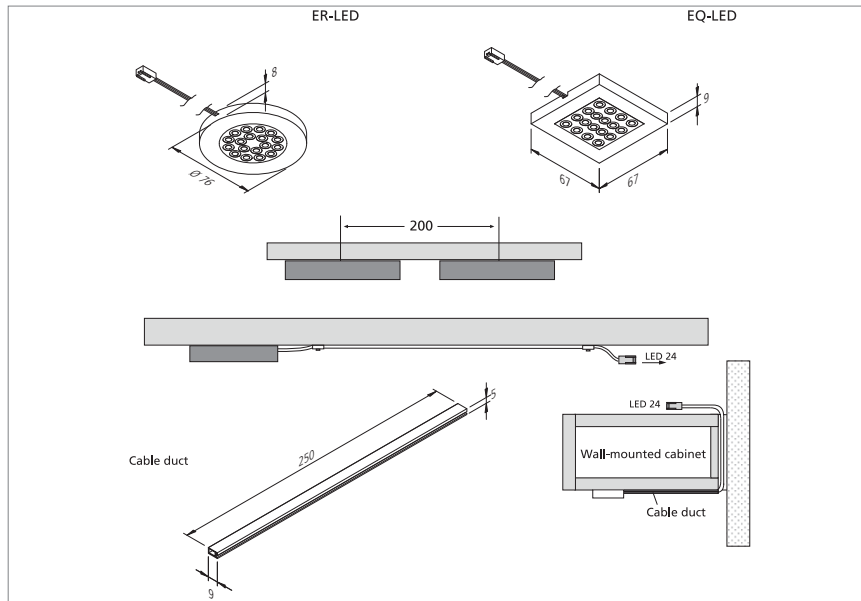
Article No.	Description	Illustration	Features	Approx. weight
610 002 602 01	EH 24-LED Spot 3x1W ww white		- light colour ww (warm white) - supply cable 1.8m with LED 350 plug - Spot with beam angle from 18°	90 g
610 002 602 04	EH 24-LED Spot 3x1W ww chrome			90 g
610 002 602 06	EH 24-LED Spot 3x1W ww matt chrome			90 g
610 002 602 08	EH 24-LED Spot 3x1W ww stainless steel			90 g
610 002 601 01	EH 24-LED Spot 3x1W cw white		- light colour cw (cool white) - supply cable 1.8m with LED 350 plug - Spot with beam angle from 18°	90 g
610 002 601 04	EH 24-LED Spot 3x1W cw chrome			90 g
610 002 601 06	EH 24-LED Spot 3x1W cw matt chrome			90 g
610 002 601 08	EH 24-LED Spot 3x1W cw stainless steel			90 g
610 002 502 01	EH 24-LED 2 3x1W ww white		- light colour ww (warm white) - supply cable 1.8m with LED 350 plug	90 g
610 002 502 04	EH 24-LED 2 3x1W ww chrome			90 g
610 002 502 06	EH 24-LED 2 3x1W ww matt chrome			90 g
610 002 502 08	EH 24-LED 2 3x1W ww stainless steel			90 g
610 002 501 01	EH 24-LED 2 3x1W cw white		- light colour cw (cool white) - supply cable 1.8m with LED 350 plug	90 g
610 002 501 04	EH 24-LED 2 3x1W cw chrome			90 g
610 002 501 06	EH 24-LED 2 3x1W cw matt chrome			90 g
610 002 501 08	EH 24-LED 2 3x1W cw stainless steel			90 g
215 250 610 01	LED 350 Connecting cable 1m			12 g
215 250 620 01	LED 350 Connecting cable 2m			20 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug		for 1 – 3 EH 24-LED 2 (further information on page 124)	175 g
615 003 009 23	Transformer LED 350/2x9W 2x3-way distributor with Euro plug			220 g

ER-LED / EQ-LED



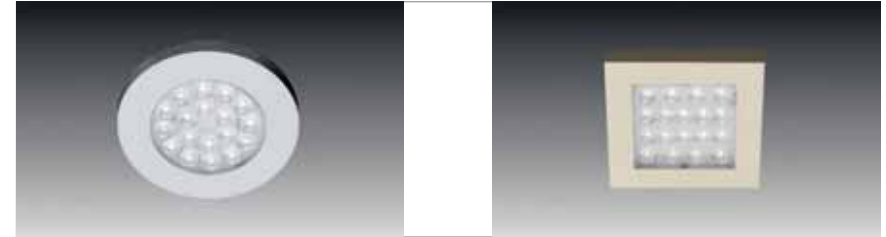
Flat Surface-Mounted LED Luminaire

- Application:** surface-mounted spotlight for „cool“ light in kitchen, bathroom and shop
- Connection:** LED-transformer DC 24 V
- Lamp:** extremely long-life 18 x 67mm LED, Ø life 30,000 hours
- Energy efficiency:** good, ww: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww: Ra = 90; cw: Ra = 85
- Special features:** low power consumption; no UV rays; no hole is necessary because of the low height of 8 or 9mm.



ER-LED / EQ-LED

LED
Halogen



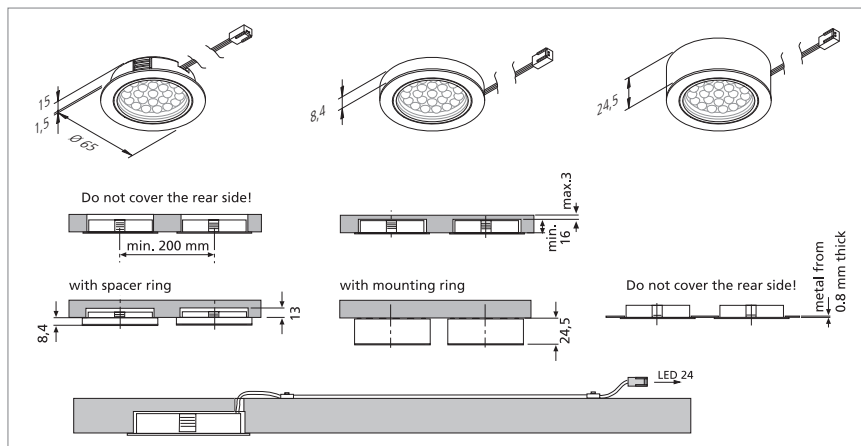
Article No.	Description	Illustration	Features	Approx. weight
610 012 002 06	ER-LED 1,2W ww matt chrome		• Colour appearance ww (warm white)	50 g
610 012 002 08	ER-LED 1,2W ww stainless steel		• Supply cable 2,5m with LED 24 plug	50 g
610 012 001 06	ER-LED 1,2W cw matt chrome		• Colour appearance cw (cool white)	50 g
610 012 001 08	ER-LED 1,2W cw stainless steel		• Supply cable 2,5m with LED 24 plug	50 g
610 547 038 02	set of 3 ER-LED 1,2W ww stainless steel		• Colour appearance ww (warm white)	320 g
610 547 058 02	set of 5 ER-LED 1,2W ww stainless steel		• Supply cable 2,5m with LED 24 plug	420 g
610 547 078 02	set of 7 ER-LED 1,2W ww stainless steel		• incl. Transformer LED 24/15W	520 g
610 547 038 01	set of 3 ER-LED 1,2W cw stainless steel		• Colour appearance cw (cool white)	320 g
610 547 058 01	set of 5 ER-LED 1,2W cw stainless steel		• Supply cable 2,5m with LED 24 plug	420 g
610 547 078 01	set of 7 ER-LED 1,2W cw stainless steel		• incl. Transformer LED 24/15W	520 g
610 012 012 06	EQ-LED 1,2W ww matt chrome		• Colour appearance ww (warm white)	55 g
610 012 012 08	EQ-LED 1,2W ww stainless steel		• Supply cable 2,5m with LED 24 plug	55 g
610 012 011 06	EQ-LED 1,2W cw matt chrome		• Colour appearance cw (cool white)	55 g
610 012 011 08	EQ-LED 1,2W cw stainless steel		• Supply cable 2,5m with LED 24 plug	55 g
610 547 238 02	set of 3 EQ-LED 1,2W ww stainless steel		• Colour appearance ww (warm white)	335 g
610 547 258 02	set of 5 EQ-LED 1,2W ww stainless steel		• Supply cable 2,5m with LED 24 plug	445 g
610 547 278 02	set of 7 EQ-LED 1,2W ww stainless steel		• incl. Transformer LED 24/15W	555 g
610 547 238 01	set of 3 EQ-LED 1,2W cw stainless steel		• Colour appearance cw (cool white)	335 g
610 547 258 01	set of 5 EQ-LED 1,2W cw stainless steel		• Supply cable 2,5m with LED 24 plug	445 g
610 547 278 01	set of 7 EQ-LED 1,2W cw stainless steel		• incl. Transformer LED 24/15W	555 g
215 300 610 01	LED 24 connecting cable 1m			9 g
215 300 625 01	LED 24 connecting cable 2,5m			22 g
215 080 402 21	Cable duct adhesive white		• 250 x 9 x 5 mm (L x B x H)	7 g
215 080 402 26	Cable duct adhesive matt chrome			7 g
215 080 402 28	Cable duct adhesive stainless steel			7 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor		• mains cable 2m with Euro plug	167 g
			• for 1 – 12 spotlights (further information page 127)	
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• mains cable 2m with Euro plug	240 g
			• with radio telecontrol to dimm and to switch	
			• further information from page 127	
615 003 007 02	Transformer LED 24/15W DC 24V dimmable (1-10V)		• mains cable 2m with Euro plug	200 g
			• dimmable (1-10V)	
			• dimmer cable 0,3m with Mini AMP-plug	
			• further information from page 127	
506 180 401 01	Mounting dimmer switch (1-10V)		• mains cable 2m with Mini AMP-socket	95 g
			• other dimmer page 138	

KB 12-LED



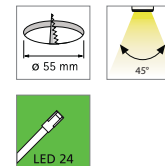
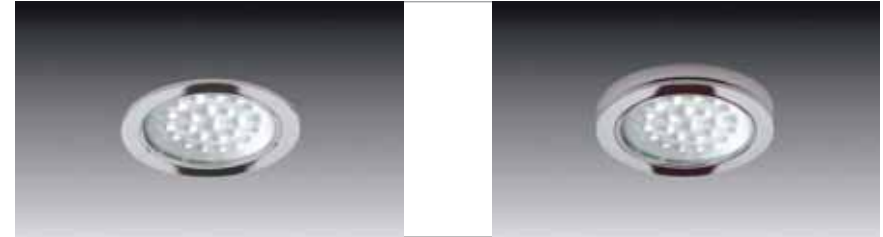
Recessed LED spotlight for installation in wood and metal

- Application:** recessed spotlight for „cool“ light in kitchen, bathroom and shop
- Connection:** LED-transformer DC 24 V
- Lamp:** extremely long-life 24 x 67mW LED, ø life 30,000 hours
- Energy efficiency:** good, ww: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww: Ra = 90; cw: Ra = 85
- Special features:** low power consumption; no UV rays; versatile accessories with spacer ring for an installation depth of only 13 mm and mounting ring for mounting with no cavity; Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.



KB 12-LED

LED
Halogen



KB 12-LED – bright LED recessed spotlight for the 55 cut-out. Extremely simple to install due to 24V DC voltage. Unused sockets on the distributor do NOT have to be provided with short-circuit plugs.

Article No.	Description	Illustration	Features	Approx. weight
610 011 102 04	KB 12-LED 1,6W ww chrome		• colour appearance ww (warm white) • supply cable 2,5m with LED 24 plug • incl. satinised tempered glass cover	70 g
610 011 102 06	KB 12-LED 1,6W ww matt chrome			70 g
610 011 102 08	KB 12-LED 1,6W ww stainless steel			70 g
610 011 101 04	KB 12-LED 1,6W cw chrome			70 g
610 011 101 06	KB 12-LED 1,6W cw matt chrome			70 g
610 011 101 08	KB 12-LED 1,6W cw stainless steel		• colour appearance cw (cool white) • supply cable 2,5m with LED 24 plug • incl. satinised tempered glass cover	70 g
610 544 302 08	set of 3 KB 12-LED 1,6W ww stainless steel			420 g
205 020 104 03	Spacer ring (K48) chrome		• reduces installation depth to 13mm	4 g
205 020 104 06	Spacer ring (K48) matt chrome			4 g
205 020 104 10	Spacer ring (K48) stainless steel			4 g
515 000 390 04	Mounting ring (K64) chrome		• incl. screws	11 g
515 000 390 06	Mounting ring (K64) matt chrome			11 g
515 000 390 08	Mounting ring (K64) stainless steel			11 g
215 300 610 01	LED 24 connecting cable 1m			9 g
215 300 625 01	LED 24 connecting cable 2,5m			22 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor		• mains cable 2m with Euro plug • for 1 – 12 spotlights (further information page 127)	167 g
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• mains cable 2m with Euro plug • with radio telecontrol to dimm and to switch • further information from page 127	240 g
615 003 007 02	Transformer LED 24/15W DC 24V dimmable (1-10V)		• mains cable 2m with Euro plug • dimmable (1-10V) • dimmer cable 0,3m with Mini AMP-plug • further information from page 127	200 g
506 180 401 01	Mounting dimmer switch (1-10V)		• dimmer cable 2m with Mini AMP-socket • other dimmer page 138	95 g

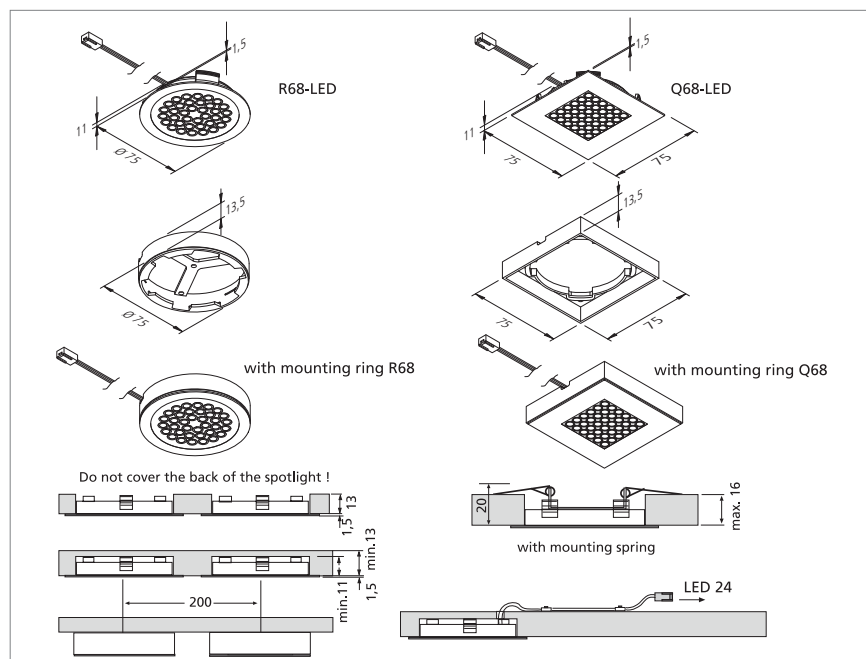
NEW

R 68-LED / Q 68-LED



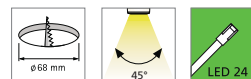
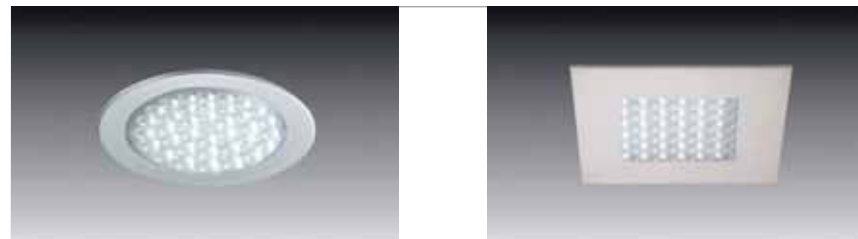
Flat Recessed LED Luminaire for the 68 Cut-out

Application: energy-saving recessed spotlight for kitchen, bathroom and shop
Connection: LED-transformer DC 24 V
Lamp: extremely long-life 36 x 70mW LED, Ø life 30,000 hours
Energy efficiency: good, ww: 55lm/W; cw: 65lm/W
Colour rendering: good, ww: Ra = 90; cw: Ra = 85
Special features: low power consumption; no UV rays; flush mounting in 16mm panels.



R 68-LED / Q 68-LED

LED
Halogen



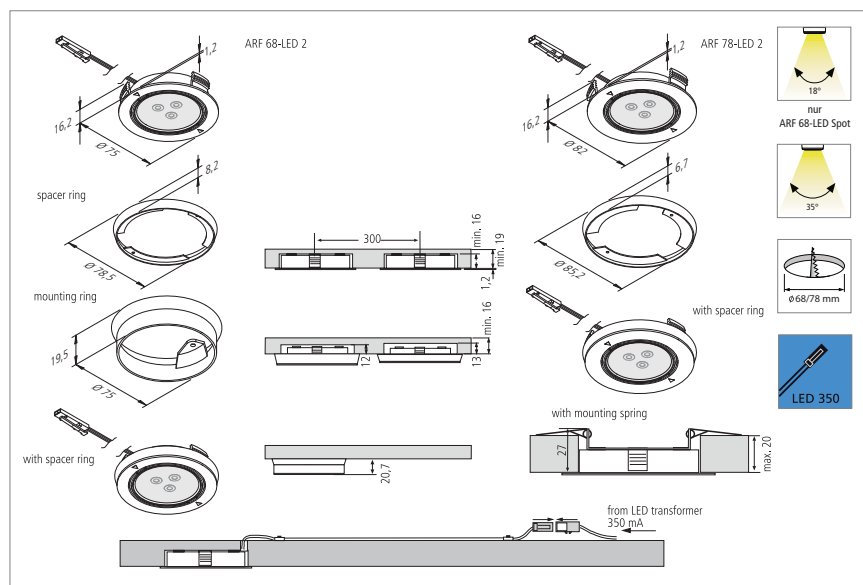
Article No.	Description	Illustration	Features	Approx. weight
610 012 602 06	R 68-LED 2,5W ww matt chrome		• colour appearance ww (warm white)	80 g
610 012 602 08	R 68-LED 2,5W ww stainless steel		• supply cable 2,5m with LED 24 plug	80 g
610 012 601 06	R 68-LED 2,5W cw matt chrome		• colour appearance cw (cool white)	80 g
610 012 601 08	R 68-LED 2,5W cw stainless steel		• supply cable 2,5m with LED 24 plug	80 g
610 549 038 02	set of 3 R 68-LED 2,5W ww stainless steel		• incl. transformer LED 24/15W DC 24V	410 g
610 549 058 02	set of 5 R 68-LED 2,5W ww stainless steel		• colour appearance ww (warm white)	570 g
205 010 211 06	Mounting ring R 68 matt chrome		• incl. screw	12 g
205 010 211 08	Mounting ring R 68 stainless steel			12 g
610 012 622 06	Q 68-LED 2,5W ww matt chrome		• colour appearance ww (warm white)	85 g
610 012 622 08	Q 68-LED 2,5W ww stainless steel		• supply cable 2,5m with LED 24 plug	85 g
610 012 621 06	Q 68-LED 2,5W cw matt chrome		• colour appearance cw (cool white)	85 g
610 012 621 08	Q 68-LED 2,5W cw stainless steel		• supply cable 2,5m with LED 24 plug	85 g
610 549 238 02	set of 3 Q 68-LED 2,5W ww stainless steel		• incl. transformer LED 24/15W DC 24V	425 g
610 549 258 02	set of 5 Q 68-LED 2,5W ww stainless steel		• colour appearance ww (warm white)	595 g
205 010 212 06	Mounting ring Q 68 matt chrome		• incl. screws	15 g
205 010 212 08	Mounting ring Q 68 stainless steel			15 g
615 000 301 01	Mounting spring ARF 68/78/Q		• for mounting in lightweight design ceilings	24 g
215 300 610 01	LED 24 connecting cable 1m			9 g
215 300 625 01	LED 24 connecting cable 2,5m			22 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor		• mains cable 2m with Euro plug	167 g
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• with radio telecontrol to dimm and to switch	240 g
615 003 007 02	Transformer LED 24/15W DC 24V dimmable (1-10V)		• mains cable 2m with Euro plug	200 g
506 180 401 01	Mounting dimmer switch (1-10V)		• dimmer cable 0,3m with Mini AMP-plug	95 g
			• further information from page 127	
			• other dimmer page 138	

ARF 68-LED 2 / ARF 78-LED 2



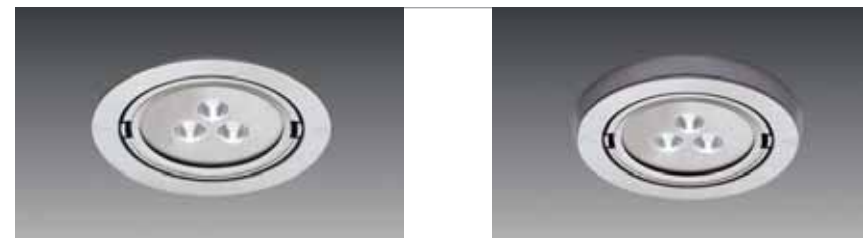
Flat Recessed LED Luminaire

Application: "cool light" to illuminate delicate products
Connection: LED-transformer DC 350mA
Lamp: extremely long-life 3 x 1W power-LEDs, ϕ life 60,000 hours
Energy efficiency: very good, ww: 80lm/W; cw: 90lm/W
Colour rendering: ww: good, Ra = 85; cw: satisfactory, Ra = 70
Special features: low power consumption; no UV rays; accessories include spacer ring to reduce recess depth to 12mm or 13mm (ARF 78-LED 2) respectively, and mounting ring for mounting without cut-out (only ARF 68-LED 2); Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.



ARF 68-LED 2 / ARF 78-LED 2

LED
Halogen



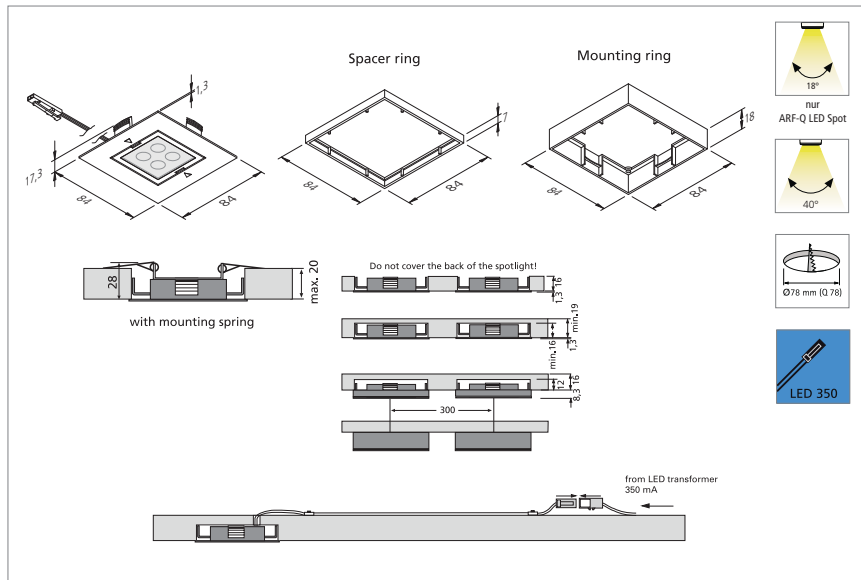
Article No.	Description	Illustration	Features	Approx. weight
610 011 302 04	ARF 68-LED Spot 3x1W ww chrome		• for the 68 cut-out • light colour ww (warm white) • supply cable 1.8m with LED 350 plug • Spot with beam angle from 18°	90 g
610 011 302 06	ARF 68-LED Spot 3x1W ww matt chrome			90 g
610 011 302 08	ARF 68-LED Spot 3x1W ww stainless steel			90 g
610 011 301 04	ARF 68-LED Spot 3x1W cw chrome			90 g
610 011 301 06	ARF 68-LED Spot 3x1W cw matt chrome		• for the 68 cut-out • light colour cw (cool white) • supply cable 1.8m with LED 350 plug • Spot with beam angle from 18°	90 g
610 011 301 08	ARF 68-LED Spot 3x1W cw stainless steel			90 g
610 011 202 04	ARF 68-LED 2 3x1W ww chrome			90 g
610 011 202 06	ARF 68-LED 2 3x1W ww matt chrome			90 g
610 011 202 08	ARF 68-LED 2 3x1W ww stainless steel		• for the 68 cut-out • light colour ww (warm white) • supply cable 1.8m with LED 350 plug	90 g
610 011 201 04	ARF 68-LED 2 3x1W cw chrome			90 g
610 011 201 06	ARF 68-LED 2 3x1W cw matt chrome		• for the 68 cut-out • light colour cw (cool white) • supply cable 1.8m with LED 350 plug	90 g
610 011 201 08	ARF 68-LED 2 3x1W cw stainless steel			90 g
610 503 732 08	set of 3 ARF 68-LED 2 3x1W ww stainless steel		• incl. transformer LED 350/9W	445 g
610 503 752 08	set of 5 ARF 68-LED 2 3x1W ww stainless steel		• incl. transformer LED 350/2x9W	670 g
610 005 902 04	ARF 78-LED 2 3x1W ww chrome		• for the 78 cut-out • light colour ww (warm white) • supply cable 1.8m with LED 350 plug	95 g
610 005 902 06	ARF 78-LED 2 3x1W ww matt chrome			95 g
610 005 902 08	ARF 78-LED 2 3x1W ww stainless steel			95 g
610 005 901 04	ARF 78-LED 2 3x1W cw chrome		• for the 78 cut-out • light colour cw (cool white) • supply cable 1.8m with LED 350 plug	95 g
610 005 901 06	ARF 78-LED 2 3x1W cw matt chrome			95 g
610 005 901 08	ARF 78-LED 2 3x1W cw stainless steel			95 g
610 503 832 08	set of 3 ARF 78-LED 2 3x1W ww stainless steel		• incl. transformer LED 350/9W	460 g
610 503 852 08	set of 5 ARF 78-LED 2 3x1W ww stainless steel		• incl. transformer LED 350/2x9W	700 g
205 020 108 02	Spacer ring (K105) chrome		• for ARF 68-LED 2 • reduces the recess depth to 12mm	4 g
205 020 108 12	Spacer ring (K105) matt chrome			4 g
205 020 108 08	Spacer ring (K105) stainless steel			4 g
205 020 108 64	Spacer ring (K129) chrome		• for ARF 78-LED 2 • reduces the recess depth to 13mm	5 g
205 020 108 66	Spacer ring (K129) matt chrome			5 g
205 020 108 68	Spacer ring (K129) stainless steel			5 g
515 000 370 04	Mounting ring (K106) chrome		• for ARF 68-LED 2 • incl. fastening screws	14 g
515 000 370 06	Mounting ring (K106) matt chrome			14 g
515 000 370 08	Mounting ring (K106) stainless steel			14 g
615 000 301 01	Mounting spring ARF 68/78/Q		• for mounting in lightweight design ceilings	24 g
215 250 610 01	LED 350 connecting cable 1m			12 g
215 250 620 01	LED 350 connecting cable 2m			20 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug		• for 1-3 ARF-LED 2 (further information on page 124)	175 g
615 003 009 23	Transformer LED 350/2x9W 2x3-way distributor with Euro plug		• for 2-6 ARF-LED 2 (further information on page 125)	220 g

ARF-Q LED



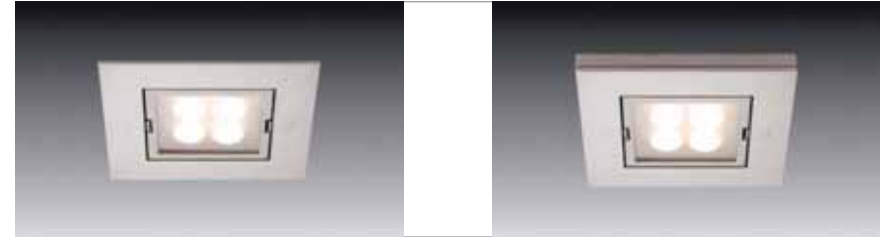
Square recessed LED luminaire for the 78 cut-out

Application: „cool light“ to illuminate delicate products
Connection: LED-transformer DC 350mA
Lamp: extremely long-life 4 x 1W power-LED, ϕ life 60,000 hours
Energy efficiency: very good, ww: 80lm/W; cw: 90lm/W
Colour rendering: ww: good, Ra = 85; cw: satisfactory, Ra = 70
Special features: contemporary square shape; low power consumption; no UV rays; versatile accessories with spacer ring for an installation depth of only 12 mm and mounting ring for mounting with no cavity; Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.



ARF-Q LED

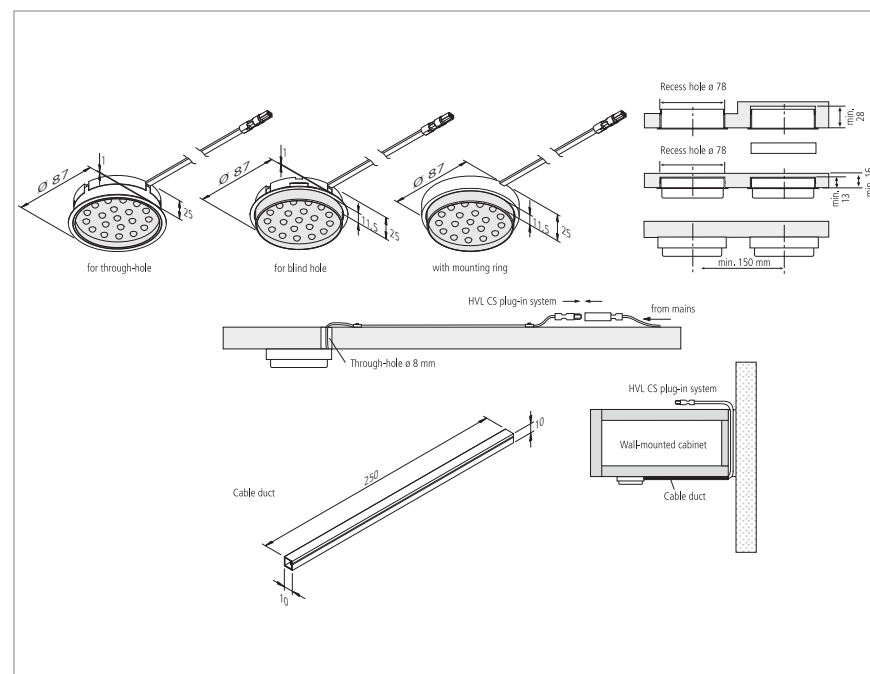
LED
Halogen



NEW

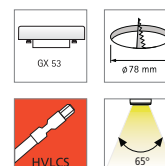
Article No.	Description	Illustration	Features	Approx. weight
610 012 402 04	ARF-Q LED Spot 4x1W ww chrome		• light colour ww (warm white)	95 g
610 012 402 06	ARF-Q LED Spot 4x1W ww matt chrome		• supply cable 1.8m with LED 350 plug	95 g
610 012 402 08	ARF-Q LED Spot 4x1W ww stainless steel		• incl. tempered glass cover	95 g
610 012 401 04	ARF-Q LED Spot 4x1W cw chrome		• Spot with beam angle from 18°	95 g
610 012 401 06	ARF-Q LED Spot 4x1W cw matt chrome		• light colour cw (cool white)	95 g
610 012 401 08	ARF-Q LED Spot 4x1W cw stainless steel		• supply cable 1.8m with LED 350 plug	95 g
610 011 002 04	ARF-Q LED 4x1W ww chrome		• incl. tempered glass cover	95 g
610 011 002 06	ARF-Q LED 4x1W ww matt chrome		• Spot with beam angle from 18°	95 g
610 011 002 08	ARF-Q LED 4x1W ww stainless steel		• light colour ww (warm white)	95 g
610 011 001 04	ARF-Q LED 4x1W cw chrome		• supply cable 1.8m with LED 350 plug	95 g
610 011 001 06	ARF-Q LED 4x1W cw matt chrome		• incl. satinised tempered glass cover	95 g
610 011 001 08	ARF-Q LED 4x1W cw stainless steel		• light colour cw (cool white)	95 g
610 502 922 18	set of 2 ARF-Q LED 4x1W ww stainless steel		• incl. transformer LED 350/9W	365 g
610 502 921 18	set of 2 ARF-Q LED 4x1W cw stainless steel		• colour appearance ww (warm white)	365 g
610 502 942 08	set of 4 ARF-Q LED 4x1W ww stainless steel		• supply cable 1.8m with LED 350 plug	600 g
610 502 941 08	set of 4 ARF-Q LED 4x1W cw stainless steel		• colour appearance cw (cool white)	600 g
205 020 115 04	Spacer ring (K 199) chrome		• reduces the installation depth to 12mm	6 g
205 020 115 06	Spacer ring (K 199) matt chrome			6 g
205 020 115 08	Spacer ring (K 199) stainless steel			6 g
515 000 380 04	Mounting ring (K 200) chrome		• incl. screws	17 g
515 000 380 06	Mounting ring (K 200) matt chrome			17 g
515 000 380 08	Mounting ring (K 200) stainless steel			17 g
615 000 301 01	Mounting spring ARF 68/78/Q		• for mounting in lightweight design ceilings	24 g
215 250 610 01	LED 350 connecting cable 1m			12 g
215 250 620 01	LED 350 connecting cable 2m			20 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug		• for 1 – 2 ARF-Q LED (further information on page 124)	175 g
615 003 009 23	Transformer LED 350/2x9W 2x3-way distributor with Euro plug		• for 2 – 4 ARF-Q LED (further information on page 125)	220 g

KLL 78-LED



KLL 78-LED

LED
Halogen



Compact LED Luminaire for 230V

- Connection:** 220 – 240V / 50 – 60Hz
Lamp: extremely long-life GX 53-LED 3W 20 SMD, ø life 30,000 hours
Energy efficiency: good, 75lm/W (3W)
Colour rendering: good, Ra = 82
Special features: integrated electronic ballast; with easy-to-mount HVL CS plug-in system (cut-out ø 8mm) and clamping fins for fast, easy installation.

KLL 78-LED – the recessed solution with low energy consumption and minimal heat generation. General diffused lighting, no flickering when switched on, an energy-saver due to the integrated electronic ballast. Different supply cables, connecting cables, and optional distributor make this a very versatile product.

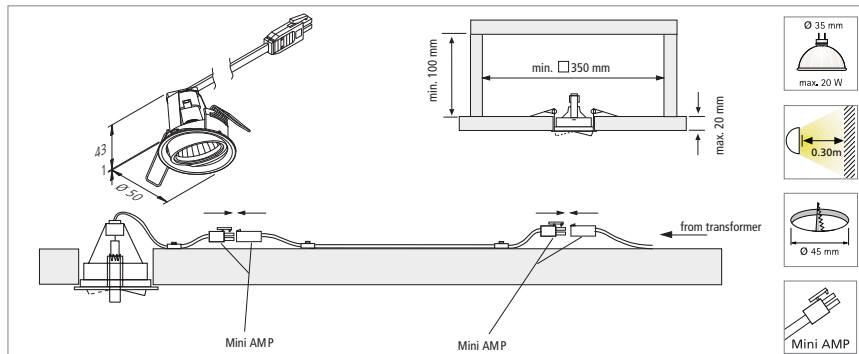
Article No.	Description	Illustration	Features	Approx. weight
610 012 326 02	KLL 78-LED/D ww matt chrome		- through-hole (fully recessed) - supply cable 2m with HVL CS plug - light colour ww (warm white) or cw (cool white)	165 g
610 012 326 01	KLL 78-LED/D cw matt chrome			165 g
610 012 328 02	KLL 78-LED/D ww stainless steel			165 g
610 012 328 01	KLL 78-LED/D cw stainless steel			165 g
610 012 336 02	KLL 78-LED/S ww matt chrome		- blind hole (semi-recessed) - supply cable 2m with HVL CS plug - light colour ww (warm white) or cw (cool white)	160 g
610 012 336 01	KLL 78-LED/S cw matt chrome			160 g
610 012 338 02	KLL 78-LED/S ww stainless steel			160 g
610 012 338 01	KLL 78-LED/S cw stainless steel			160 g
610 012 316 02	KLL 78-LED/A ww matt chrome		- mounted - supply cable 2m with HVL CS plug - light colour ww (warm white) or cw (cool white)	165 g
610 012 316 01	KLL 78-LED/A cw matt chrome			165 g
610 012 318 02	KLL 78-LED/A ww stainless steel			165 g
610 012 318 01	KLL 78-LED/A cw stainless steel			165 g
215 440 320 01	HVLCS 43/2000 mains cable 2m		with Euro plug	90 g
215 441 120 01	HVLCS V/2000 mains cable 2m + 6-way distributor			120 g
215 440 605 01	HVLCS 46/ 500 connecting cable 0.5m			30 g
215 440 610 01	HVLCS 46/1000 connecting cable 1m			45 g
215 440 615 01	HVLCS 46/1500 connecting cable 1.5m		further information on page 131	60 g
215 440 620 01	HVLCS 46/2000 connecting cable 2m			75 g
215 080 402 08	Cable duct adhesive stainless steel			15 g
215 080 402 06	Cable duct adhesive matt chrome			15 g
222 010 102 12	Tungsten carbide hole saw D=78mm		incl. 10mm adapter / for wood up to 30mm	470 g

EH 24



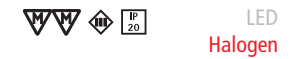
Swivel and Tilt Recessed Halogen Luminaire for Cool Beam Reflector Lamp ø 35 mm

- Application:** ideal for kitchen, living room and bedroom furniture and shop-fittings
- Connection:** halogen-transformer 12V
- Lamp:** cool beam reflector lamp (ø 35mm), ø life 2,000 hours / max. 20W
- Energy efficiency:** satisfactory; 13 – 16lm/W (10 – 20W)
- Colour rendering:** very good, Ra = 100
- Special features:** halogen spot which swivels and tilts 20° to either side; suitable for installation in panels 10mm to max. 20mm thick; simple clamp-fitting and ready-to-use low voltage plug-in system.



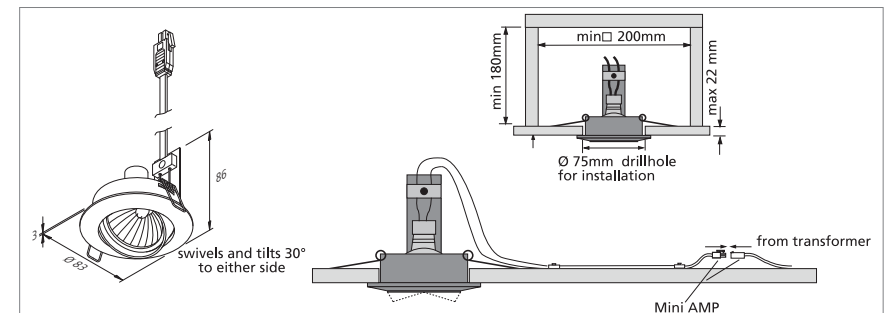
Article No.	Description	Illustration	Features	Approx. weight
610 001 300 91	EH 24 white		- cool beam reflector lamp ø 35mm (page 144) please order separately - supply cable 0.1m with Mini AMP plug	50 g
610 001 300 94	EH 24 chrome			50 g
610 001 300 95	EH 24 gold			50 g
610 001 300 96	EH 24 matt chrome			50 g
610 001 300 98	EH 24 stainless steel			50 g
215 032 202 20	Mini AMP connecting cable 0.5m		further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m			40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
Accessories:	Transformers for halogen spotlights page 116–123			

EH 52



Swivel and Tilt Recessed Halogen Luminaire for Cool Beam Reflector Lamp ø 51 mm

- Application:** to accentuate particular areas in residential and business premises
- Connection:** halogen transformer 12V
- Lamp:** cool beam reflector lamp, ø 51mm, ø life 2,000 hours / max. 35W
- Energy efficiency:** satisfactory, 16 – 17lm/W (20 – 35W)
- Colour rendering:** very good, Ra = 100
- Special features:** swivels and tilts to either side at an angle of 30°; metal spotlight casing.



EH 52 – perfect for recessing in ceilings to highlight certain areas, pictures, artworks or items on display. The spot can be swivelled and tilted in two different directions. For use in homes, offices, meeting rooms, art galleries and shop premises. High level of luminous power due to cool light reflector lamps to max. 35 W.

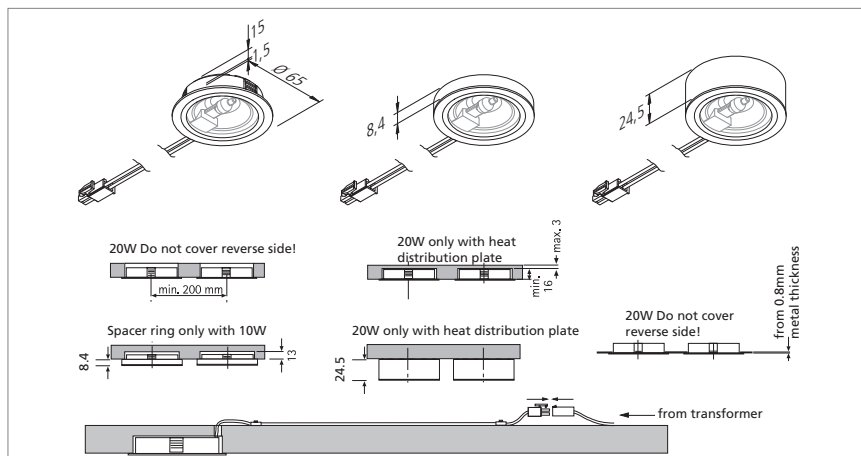
Article No.	Description	Illustration	Features	Approx. weight
610 001 901 04	EH 52 chrome		• for the 75 cut-out • cool beam reflector lamp Ø 51 (page 144) please order separately • supply cable 0.1m with Mini AMP plug	175 g
610 001 901 06	EH 52 matt chrome			175 g
610 001 901 08	EH 52 stainless steel			175 g
215 032 202 20	Mini AMP connecting cable 0.5m		• further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m			40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
Accessories:	Transformers for halogen spotlights page 116-123			

KB 12



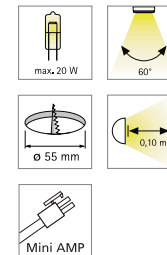
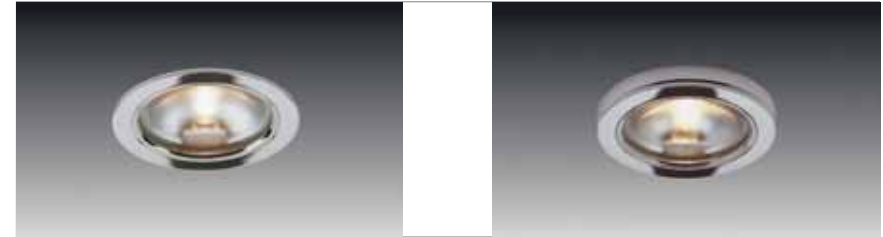
Recessed Halogen Spotlight for Wood and Metal

Application: wide range of applications for screwless installation in living rooms/bedrooms, kitchens and shops
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE®", ø life 4,000 hours / max. 20W
Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: screwless installation; latchable in metal of 0.8 to 1.5mm thickness; rated IP44 when mounted in blind hole; with a variety of accessories for individual requirements; Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.



KB 12

LED
Halogen



KB 12 – brilliant spot for installation in different materials. The accessories include a spacer ring to reduce the recess depth of 10W to 13 mm, and a mounting ring. With heat distribution plate WVP for use in blind hole and for 20W surface-mounted spotlight. Universal recessed halogen luminaire for furniture in kitchens, bedrooms or living rooms as well as shelving units or retail display cabinets.

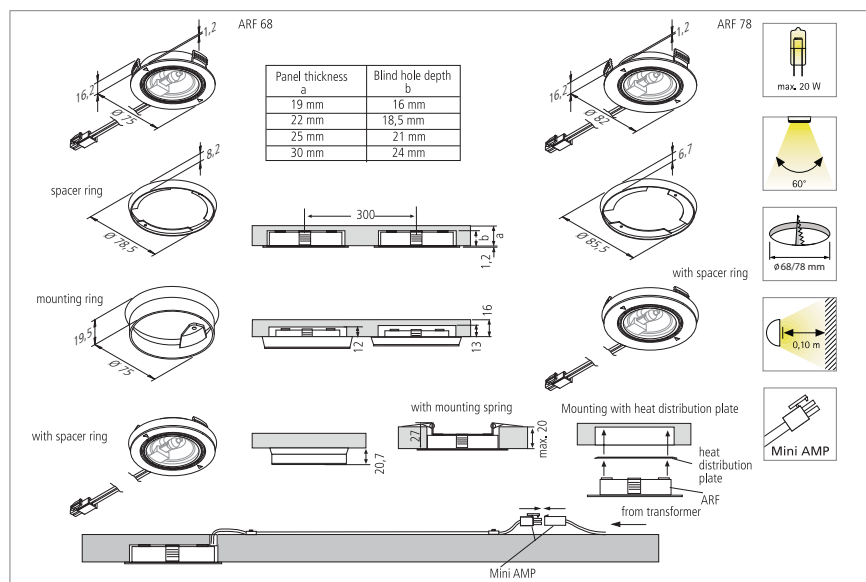
Article No.	Description	Illustration	Features	Approx. weight
610 004 111 24	KB 12 10W chrome		- supply cable 1.8m with Mini AMP plug included loose - incl. satinised tempered glass cover - incl. WVP (heat distribution plate) for use in blind holes or with mounting ring (for 20W version)	70 g
610 004 111 26	KB 12 10W matt chrome			70 g
610 004 111 28	KB 12 10W stainless steel			70 g
610 004 121 21	KB 12 20W white			70 g
610 004 121 23	KB 12 20W black			70 g
610 004 121 24	KB 12 20W chrome			70 g
610 004 121 25	KB 12 20W gold			70 g
610 004 121 26	KB 12 20W matt chrome			70 g
610 004 121 28	KB 12 20W stainless steel			70 g
610 508 430 78	set of 3 KB 12 20W stainless steel		- incl. transformer Puma 105 - supply cable 1.8m with Mini AMP plug included loose - incl. satinised tempered glass cover and WVP (heat distribution plate) for use in blind holes	420 g
205 020 104 03	Spacer ring (K48) chrome		- reduces the recess depth to 13mm - for 10W version only	4 g
205 020 104 06	Spacer ring (K48) matt chrome			4 g
205 020 104 10	Spacer ring (K48) stainless steel			4 g
515 000 390 01	Mounting ring (K64) white			11 g
515 000 390 03	Mounting ring (K64) black		incl. fastening screws	11 g
515 000 390 04	Mounting ring (K64) chrome			11 g
515 000 390 05	Mounting ring (K64) gold			11 g
515 000 390 06	Mounting ring (K64) matt chrome			11 g
515 000 390 08	Mounting ring (K64) stainless steel			11 g
215 032 202 20	Mini AMP connecting cable 0.5m		further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m			40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
Accessories:	Transformers for halogen spotlights page 116–123			

ARF 68 / ARF 78



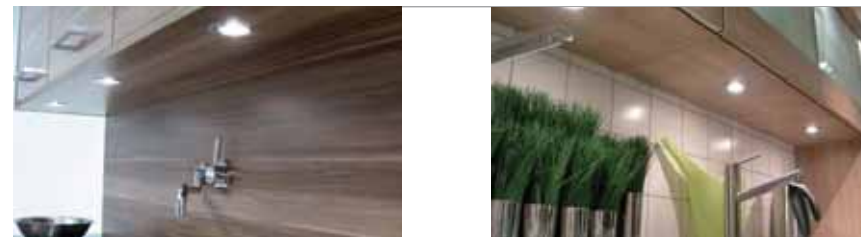
Cool Recessed Halogen Spotlight for the 68 / 78 Cut-out

Application: special spotlight for heat-sensitive structural materials in kitchen, bathroom, bedroom and living room
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE®", ø life 4,000 hours / max. 20W
Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: accessories include mounting ring for installation without a cut-out (only ARF 68), and spacer ring to reduce the recess depth to 12mm or 13mm (ARF 78) respectively; with heat distribution plate to protect the structural materials; Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.



ARF 68 / ARF 78

LED
Halogen



Article No.	Description	Illustration	Features	Approx. weight
610 003 802 41	ARF 68 20W white		• for the 68 cut-out	75 g
610 003 802 43	ARF 68 20W black		• supply cable 1.8m with Mini AMP plug included loose	75 g
610 003 802 44	ARF 68 20W chrome		• incl. satinised tempered glass cover	75 g
610 003 802 45	ARF 68 20W gold		• incl. WVP (heat distribution plate) for use in blind holes	75 g
610 003 802 47	ARF 68 20W matt chrome			75 g
610 003 802 46	ARF 68 20W stainless steel			75 g
610 507 803 78	set of 3 ARF 68 20W stainless steel		• incl. transformer Puma 105W • supply cable 1.8m with Mini AMP plug included loose • incl. satinised tempered glass cover • incl. WVP (heat distribution plate) for use in blind holes	435 g
610 004 020 04	ARF 78 20W chrome		• for the 78 cut-out	80 g
610 004 020 06	ARF 78 20W matt chrome		• supply cable 1.8m with Mini AMP plug included loose	80 g
610 004 020 08	ARF 78 20W stainless steel		• incl. satinised tempered glass cover • incl. WVP (heat distribution plate)	80 g
610 507 623 08	set of 3 ARF 78 20W stainless steel		• incl. transformer Puma 105W • supply cable 1.8m with Mini AMP plug included loose • incl. satinised tempered glass cover • incl. WVP (heat distribution plate) for use in blind holes	450 g
205 020 108 01	Spacer ring (K105) white		• for ARF 68 • reduces the recess depth to 12mm	4 g
205 020 108 05	Spacer ring (K105) black			4 g
205 020 108 02	Spacer ring (K105) chrome			4 g
205 020 108 03	Spacer ring (K105) gold			4 g
205 020 108 12	Spacer ring (K105) matt chrome			4 g
205 020 108 08	Spacer ring (K105) stainless steel			4 g
205 020 108 64	Spacer ring (K129) chrome		• for ARF 78 • reduces the recess depth to 13mm	5 g
205 020 108 66	Spacer ring (K129) matt chrome			5 g
205 020 108 68	Spacer ring (K129) stainless steel			5 g
515 000 370 01	Mounting ring (K106) white		• for ARF 68 • incl. fastening screws	14 g
515 000 370 03	Mounting ring (K106) black			14 g
515 000 370 04	Mounting ring (K106) chrome			14 g
515 000 370 05	Mounting ring (K106) gold			14 g
515 000 370 06	Mounting ring (K106) matt chrome			14 g
515 000 370 08	Mounting ring (K106) stainless steel			14 g
215 032 202 20	Mini AMP connecting cable 0.5m		• further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m			40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
615 000 301 01	Mounting spring ARF 68/78/Q		• for mounting in lightweight design ceilings	24 g
222 010 102 12	Tungsten carbide hole saw D=78mm		• incl. 10mm adapter/for wood up to 30mm	470 g
Accessories:	Transformers for halogen spotlights page 116-123			

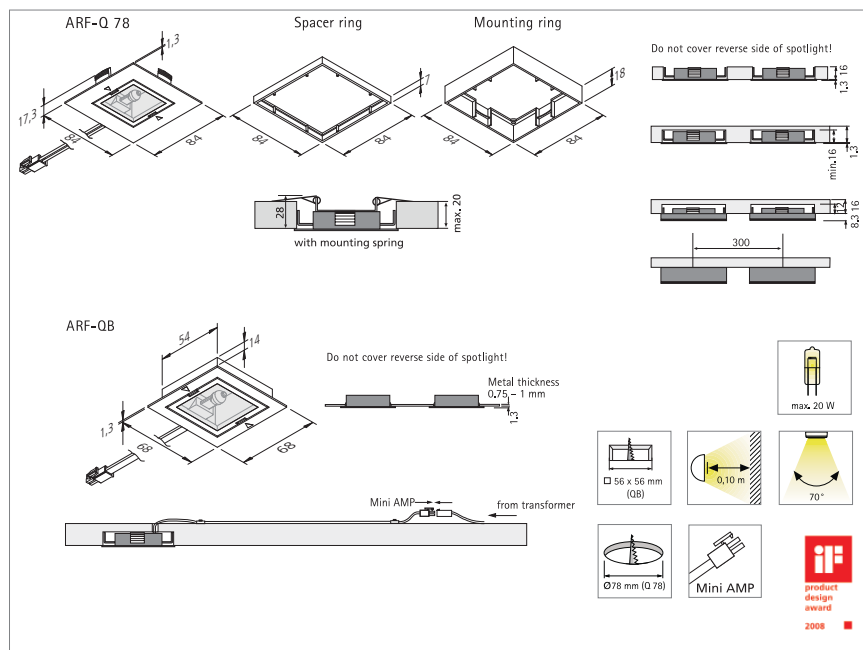
NEW

ARF-Q78 / ARF-QB



Square recessed halogen luminaire to fit 78mm cut-out

Application: special spotlight for heat-sensitive materials in kitchen, bathroom, bedroom and lounge
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE®"
 ø life 4,000 hours / max. 20W



ARF-Q78 / ARF-QB

LED
Halogen



Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: contemporary square design; minimal heat generation; ideal for installation in sensitive materials.
 ARF-QB – with narrower edge for application in metal (square cut-out required); Outer casing made of high-tech plastic (high-temperature resistant, dimensionally stable and non-brittle) guarantees safe support even after years of use.

Article No.	Description	Illustration	Features	Approx. weight
610 004 720 04	ARF-Q78 20W chrome		- supply cable 1.8m with Mini AMP plug included loose - incl. clear tempered glass cover - incl. WVP (heat distribution plate)	80 g
610 004 720 06	ARF-Q78 20W matt chrome			80 g
610 004 720 08	ARF-Q78 20W stainless steel			80 g
610 503 030 28	set of 3 ARF-Q78 20W stainless steel		- incl. transformer Puma 105 - supply cable 1.8m with Mini AMP plug included loose - incl. satinised tempered glass cover - incl. WVP (heat distribution plate)	450 g
205 020 115 04	Spacer ring (K199) chrome		reduces the recess depth to 12mm	6 g
205 020 115 06	Spacer ring (K199) matt chrome			6 g
205 020 115 08	Spacer ring (K199) stainless steel			6 g
515 000 380 04	Mounting ring (K200) chrome		incl. fastening screws	17 g
515 000 380 06	Mounting ring (K200) matt chrome			17 g
515 000 380 08	Mounting ring (K200) stainless steel			17 g
222 010 102 12	Tungsten carbide hole saw D=78mm		incl. 10mm adapter / for wood up to 30mm	470 g
610 004 750 06	ARF-QB 20W matt chrome		- supply cable 1.8m with Mini AMP plug included loose - incl. satinised tempered glass cover - for metal 0.75 – 1mm with 56 x 56mm cut-out	75 g
610 004 750 08	ARF-QB 20W stainless steel			75 g
215 032 202 20	Mini AMP connecting cable 0.5m		further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m			40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
615 000 301 01	Mounting spring ARF 68/78/Q		for mounting in lightweight design ceilings	24 g
Accessories:	Transformers for halogen spotlights page 116-123			

NEW

Over-cabinet luminaires



Hera's over-cabinet luminaires are the perfect combination of accentuated lighting and elegance. The design of these luminaires has taken into account the special requirements of lighting solutions for assembly over existing cupboards and shelving units.

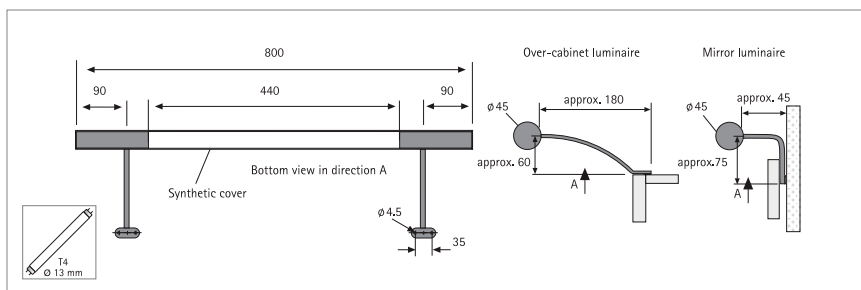
Las Vegas

Fluorescent
LED



Fluorescent Over-Cabinet and Mirror Light

Application: fluorescent luminaire for diffused lighting in bathrooms and shops
Connection: 220 – 240V / 50 – 60Hz
Lamp: long-life T4 (ø 13mm) fluorescent lamp, ø life 10,000 hours
Energy efficiency: good, 75lm/W (18W)
Colour rendering: good, Ra = 80 – 89
Special features: aluminium luminaire tube; versions for over-cabinet or mirror mounting.



Article No.	Description	Features	Approx. weight
501 290 104 11	Las Vegas Over-cabinet luminaire 18W chrome	• mains cable 1.6m with Euro plug • incl. T4 lamp cw (cool white) • incl. electronic ballast	980 g
501 290 107 01	Las Vegas Over-cabinet luminaire 18W anodised aluminium		980 g
501 290 204 01	Las Vegas Mirror light 18W chrome		960 g
501 290 207 01	Las Vegas Mirror light 18W anodised aluminium		960 g

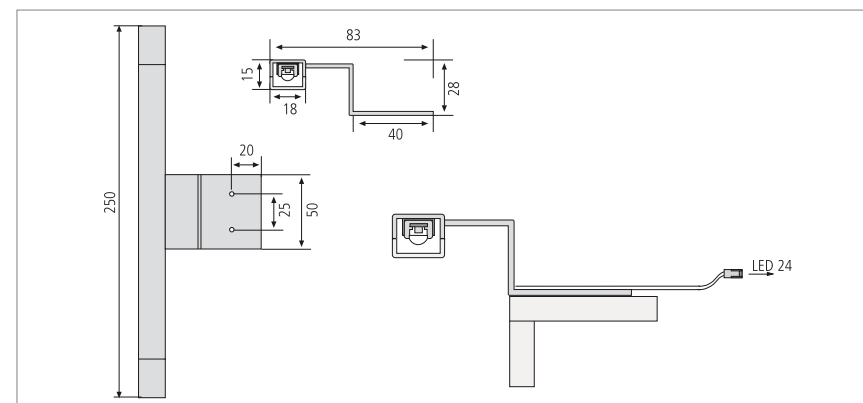
Bergamo

Fluorescent
LED



LED Over-Cabinet Luminaire

Application: over-cabinet luminaire for kitchens, bathrooms, bedrooms, living rooms and shop-fittings
Connection: LED-transformer DC 24V
Lamp: extremely long-life 70 mW LED, ø life 30,000 hours
Energy efficiency: good, ww: 55lm/W; cw: 65lm/W
Colour rendering: good, ww: Ra = 90; cw: Ra = 85
Special features: no UV rays



Artikel-Nr	Description	Features	Approx. weight
610 011 702 06	Bergamo 1,6W ww matt chrome	• colour appearance ww (warm white) • supply cable 2,3m with LED 24 plug	150 g
610 011 702 08	Bergamo 1,6W ww stainless steel		150 g
610 011 701 06	Bergamo 1,6W cw matt chrome	• colour appearance cw (cool white) • supply cable 2,3m with LED 24 plug	150 g
610 011 701 08	Bergamo 1,6W cw stainless steel		150 g
215 300 610 01	LED 24 connecting cable 1m		9 g
215 300 625 01	LED 24 connecting cable 2,5m		22 g
206 040 011 01	Transformer LED 24/15W DC 24V with 12-way distributor	• mains cable 2m with Euro plug	167 g

Cornice lumineaires



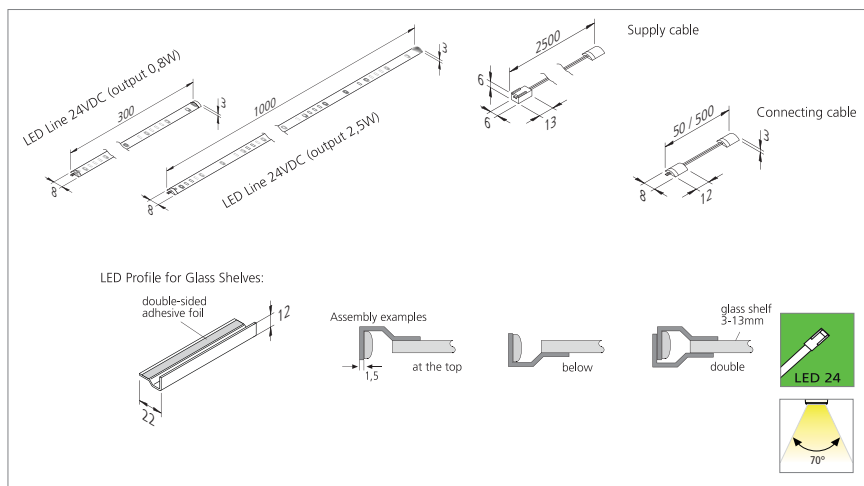
The hallmark of Hera's cornice luminaires is the exceptional styling to suit individual tastes. The range extends from glass shelf lights with integrated base through reading lights to dainty LED spots for jewellery displays.

LED Line



Pressure-sensitive, flexible LED strips

Application: Accent lighting for kitchens and shops
Connection: LED-transformer DC 24V
Lamp: extremely long-life 70 mW LED, ϕ life 30,000 hours
Energy efficiency: good, ww: 55lm/W; cw: 65lm/W
Colour rendering: good, ww: Ra = 90; cw: Ra = 85
Special features: no UV rays; maximum 16 strips or 4,8m (LED Line 1000 mm: 5 strips or 5m) in a light strip; quick and easy installation with double-sided adhesive tape; stripe and be shorten all 150mm or all 167mm (LED Line 1000mm) (marking under the adhesive foil)



LED Line

LED
Fluorescent



Article No.	Description	Illustration	Features	Approx. weight
202 021 401 01	LED Line 300mm 12 LED 0,8W		• colour appearance cw (cool white) Version Line-S with lateral radiation available from October on request	8 g
202 021 402 01	LED Line 1000mm 36 LED 2,5W			27 g
202 021 401 02	LED Line 300mm 12 LED 0,8W		• colour appearance ww (warm white) Version Line-S with lateral radiation available from October on request	8 g
202 021 402 02	LED Line 1000mm 36 LED 2,5W			27 g
215 310 625 01	Supply cable LED Line 2500mm		• connection between transformer and first Line	23 g
215 310 600 01	Connecting cable LED Line 50mm		• connection between two Lines	1 g
215 310 605 01	Connecting cable LED Line 500mm			5 g
615 000 302 01	LED Profile for Glass Shelves 410mm		• anodised aluminium	50 g
615 000 302 02	LED Profile for Glass Shelves 560mm		• incl. double-sided adhesive foil	70 g
615 000 302 06	LED Profile for Glass Shelves 760mm			95 g
615 000 302 03	LED Profile for Glass Shelves 860mm			110 g
615 000 302 07	LED Profile for Glass Shelves 960mm			120 g
615 000 302 04	LED Profile for Glass Shelves 1160mm			150 g
615 000 302 51	LED Profile for Glass Shelves 1950mm set of 10			2440 g
206 040 011 01	Transformer LED 24/15W DC 24V			• mains cable 2m or 1,8m (60W) with Euro plug
206 040 012 01	Transformer LED 24/30W DC 24V	• with 12-way distributor		250 g
615 003 006 02	Transformer LED 24/60W DC 24V	• further information from page 127		355 g
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• mains cable 2m with Euro plug	240 g
615 003 008 06	Transformer LED 24/30W DC 24V dimmable (Radio Controller)		• with radio telecontrol to dimm and to switch • further information from page 127	325 g
615 003 007 02	Transformer LED 24/15W DC 24V dimmable (1-10V)		• mains cable 2m with Euro plug • dimmable (1-10V)	200 g
615 003 008 02	Transformer LED 24/30W DC 24V dimmable (1-10V)		• dimmer cable 0,3m with Mini AMP-plug • further information from page 127	285 g
506 180 401 01	Mounting dimmer switch (1-10V)		• dimmer cable 2m with Mini AMP-socket • other dimmer page 138	95 g

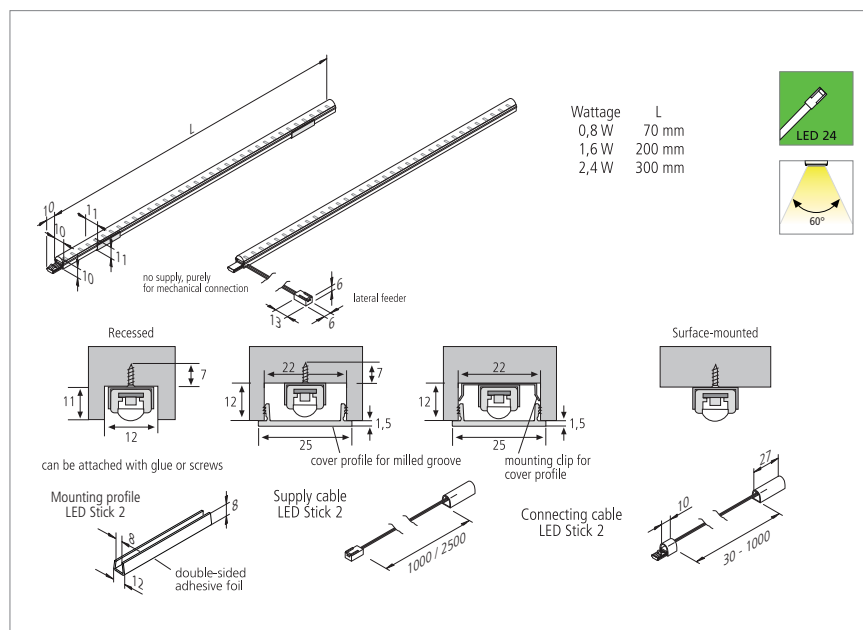
NEW

LED Stick 2



Small, plug-in LED stick without dark zones

Application:	surface-mounted luminaire for furniture and showcases containing heat-sensitive products
Connection:	LED-transformer DC 24V
Lamp:	extremely long-life 70 mW LED, ϕ life 30,000 hours
Energy efficiency:	good, ww + nw: 55lm/W; cw: 65lm/W
Colour rendering:	good, ww + nw: Ra = 90; cw: Ra = 85
Special features:	no UV rays; maximum 20W or 2,4m per supply cable; without dark zones; LED Stick with side-connection for continues strip lighting



LED Stick 2

LED
Fluorescent



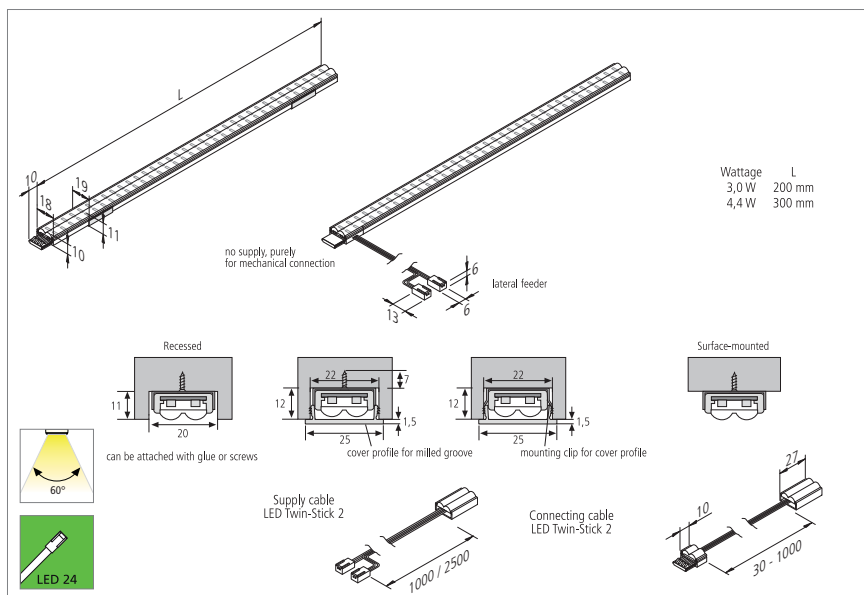
Article No.	Description	Illustration	Features	Approx. weight		
NEW 202 021 220 01	LED Stick 2 70mm 8 LED 0,8W cw		• colour appearance cw (cool white) approx. 5400K	10 g		
202 021 222 01	LED Stick 2 200mm 24 LED 1,6W cw		25 g			
202 021 223 01	LED Stick 2 300mm 36 LED 2,4W cw		35 g			
202 021 223 21	LED Stick 2 300mm 36 LED 2,4W cw SE		60 g			
202 021 220 05	LED Stick 2 70mm 8 LED 0,8W nw		10 g			
202 021 222 05	LED Stick 2 200mm 24 LED 1,6W nw		25 g			
202 021 223 05	LED Stick 2 300mm 36 LED 2,4W nw		35 g			
202 021 223 25	LED Stick 2 300mm 36 LED 2,4W nw SE		60 g			
202 021 220 02	LED Stick 2 70mm 8 LED 0,8W ww		10 g			
202 021 222 02	LED Stick 2 200mm 24 LED 1,6W ww		25 g			
202 021 223 02	LED Stick 2 300mm 36 LED 2,4W ww	35 g				
202 021 223 22	LED Stick 2 300mm 36 LED 2,4W ww SE	60 g				
202 021 222 04	LED Stick 2 200mm 24 LED 1,6W "Bread"		• colour appearance nw (neutral white) approx. 4000K	25 g		
202 021 223 04	LED Stick 2 300mm 36 LED 2,4W "Bread"		35 g			
202 021 223 24	LED Stick 2 300mm 36 LED 2,4W "Bread" SE		60 g			
215 270 625 31	Supply cable LED Stick 2 1000mm			• connection between transformer and first Stick	11 g	
215 270 625 11	Supply cable LED Stick 2 2500mm			25 g		
215 270 600 21	Connecting cable LED Stick 2 30mm				• connection between two Sticks	3 g
215 270 603 01	Connecting cable LED Stick 2 300mm				6 g	
215 270 607 01	Connecting cable LED Stick 2 700mm				9 g	
215 270 610 11	Connecting cable LED Stick 2 1000mm		11 g			
202 040 107 03	Mounting clip LED Stick 2			• included with Stick • incl. 2 crews and 2 adhesive strips	3 g	
203 012 801 10	Cover profile LED Stick 1000mm			• to cover the milled groove • material PC slightly matt	47 g	
203 012 801 54	Cover profile LED Stick 5400mm roll			255 g		
213 041 080 08	Front cover for cover profile LED Stick		• stainless steel	2 g		
202 040 107 13	Mounting clip LED Stick 2 for cover profile		• set of 2 for groove with cover profile	3 g		
615 000 304 01	Mounting profile LED Stick 1000mm			• material PVC transparent • 12 x 8mm (BxH) • incl. double-sided adhesive foil	45 g	
615 000 304 51	Mounting profile LED Stick 2000mm set of 10			900 g		
615 000 305 01	Magnetic tape for mounting profile 5m roll	• 5000 x 10 x 1,5mm (LxBxH)		275 g		
206 040 011 01	Transformer LED 24/15W DC 24V		• mains cable 2m or 1,8m (60W) with Euro plug • with 12-way distributor • further information from page 127	167 g		
206 040 012 01	Transformer LED 24/30W DC 24V		250 g			
615 003 006 02	Transformer LED 24/60W DC 24V		355 g			
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• mains cable 2m with Euro plug • with radio telecontrol to dimm and to switch • further dimmable transformers from page 127	240 g		
615 003 008 06	Transformer LED 24/30W DC 24V dimmable (Radio Controller)		325 g			

LED Twin-Stick 2



Small, twin plug-in LED stick without dark zones

- Application:** surface-mounted luminaire for furniture and showcases containing heat-sensitive products
- Connection:** LED-transformer DC 24V
- Lamp:** extremely long-life 70 mW LED, ϕ life 30,000 hours
- Energy efficiency:** good, ww + nw: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww + nw: Ra = 90; cw: Ra = 85
- Special features:** no UV rays; maximum 36W or 2,4m per supply cable; without dark zones; LED Stick with side-connection for continues strip lighting



LED Twin-Stick 2

LED
Fluorescent



LED Twin-Stick 2 – the latest LED technology for general diffused lighting. Surface-mounted on furniture, displays, show-cases and cupboards. Illuminates without heating, ideal for delicate products. Available in various lengths, each in „cool white“, „neutral white“ and „warm white“.

NEW

NEW

NEW

NEW

NEW

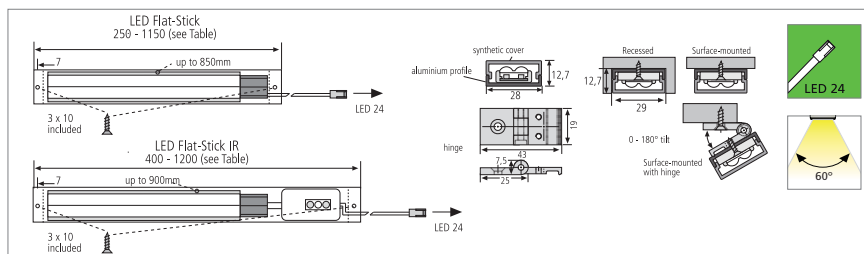
Article No.	Description	Illustration	Features	Approx. weight
202 021 232 01	LED Twin-Stick 2 200mm 48 LED 3,0W cw		• colour appearance cw (cool white) approx. 5400K	45 g
202 021 233 01	LED Twin-Stick 2 300mm 72 LED 4,4W cw			68 g
202 021 233 11	LED Twin-Stick 2 300mm 72 LED 4,4W cw SE 2,5m		• incl. lateral feeder 2,5m	110 g
202 021 232 05	LED Twin-Stick 2 200mm 48 LED 3,0W nw		• colour appearance nw (neutral white) approx. 4000K	45 g
202 021 233 05	LED Twin-Stick 2 300mm 72 LED 4,4W nw			68 g
202 021 233 15	LED Twin-Stick 2 300mm 72 LED 4,4W nw SE 2,5m		• incl. lateral feeder 2,5m	110 g
202 021 232 02	LED Twin-Stick 2 200mm 48 LED 3,0W ww		• colour appearance ww (warm white) approx. 3300K	45 g
202 021 233 02	LED Twin-Stick 2 300mm 72 LED 4,4W ww			68 g
202 021 233 12	LED Twin-Stick 2 300mm 72 LED 4,4W ww SE 2,5m		• incl. lateral feeder 2,5m	110 g
215 270 625 32	Supply cable LED Twin-Stick 2 1000mm		• connection between transformer and first Stick	21 g
215 272 625 02	Supply cable LED Twin-Stick 2 2500mm			40 g
215 270 600 22	Connecting cable LED Twin-Stick 2 30 mm		• connection between two Twin-Sticks	5 g
215 270 603 02	Connecting cable LED Twin-Stick 2 300 mm			11 g
215 270 607 02	Connecting cable LED Twin-Stick 2 700 mm			17 g
215 270 610 12	Connecting cable LED Twin-Stick 2 1000 mm			21 g
202 040 107 04	Mounting clip LED Twin-Stick 2		• included with Stick • incl. 2 crews and 2 adhesive strips	4 g
203 012 801 10	Cover profile LED Stick 1000mm		• to cover the milled groove • material PC slightly matt	47 g
203 012 801 54	Cover profile LED Stick 5400mm roll			255 g
213 041 080 08	Front cover for cover profile LED Stick		• stainless steel	2 g
202 040 107 14	Mounting clip LED Twin-Stick 2 for cover profile		• set of 2 for groove with cover profile	2 g
206 040 011 01	Transformer LED 24/15W DC 24V		• mains cable 2m or 1,8m (60W) with Euro plug	167 g
206 040 012 01	Transformer LED 24/30W DC 24V		• with 12-way distributor	250 g
615 003 006 02	Transformer LED 24/60W DC 24V		• further information from page 127	355 g
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)		• mains cable 2m with Euro plug • with radio telecontrol to dimm and to switch	240 g
615 003 008 06	Transformer LED 24/30W DC 24V dimmable (Radio Controller)		• further dimmable transformers from page 127	325 g

LED Flat-Stick



Small LED Surface-Mounted Luminaire

- Application:** surface-mounted luminaire for furniture and showcases containing heat-sensitive products
- Connection:** LED transformer DC 24V
- Lamp:** extremely long-life 70 mW LED, ϕ life 30,000 hours
- Energy efficiency:** good, ww: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww: Ra = 90; cw: Ra = 85
- Special features:** no UV rays; versions with integrated touch-less sensor switch, flat hinge set 0-180° as accessory



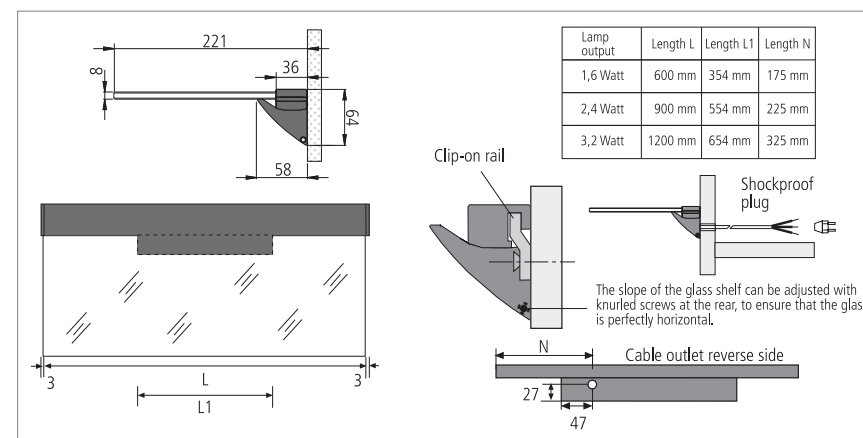
Article-No.	Description	Illustration	Features	Approx. weight
610 010 800 01	LED Flat-Stick 250mm 3,0W ww		• supply cable 2,5m with LED 24 plug	135 g
610 010 801 01	LED Flat-Stick 350mm 4,4W ww		• anodised aluminium	165 g
610 010 806 01	LED Flat-Stick 450mm 6,0W ww		• incl. hinge set	195 g
610 010 802 01	LED Flat-Stick 550mm 7,4W ww		• colour appearance ww (warm white)	225 g
610 010 803 01	LED Flat-Stick 850mm 11,8W ww			310 g
610 010 804 01	LED Flat-Stick 950mm 13,2W ww			340 g
610 010 805 01	LED Flat-Stick 1150mm 16,2W ww			400 g
610 010 800 02	LED Flat-Stick 250mm 3,0W cw		• supply cable 2,5m with LED 24 plug	135 g
610 010 801 02	LED Flat-Stick 350mm 4,4W cw		• anodised aluminium	165 g
610 010 802 02	LED Flat-Stick 550mm 7,4W cw		• incl. hinge set	225 g
610 010 803 02	LED Flat-Stick 850mm 11,8W cw		• colour appearance cw (cool white)	310 g
610 010 804 02	LED Flat-Stick 950mm 13,2W cw			340 g
610 010 805 02	LED Flat-Stick 1150mm 16,2W cw			400 g
610 010 850 01	LED Flat-Stick IR 400mm 4,4W ww		• supply cable 2,5m with LED 24 plug	175 g
610 010 851 01	LED Flat-Stick IR 600mm 7,4W ww		• anodised aluminium	235 g
610 010 852 01	LED Flat-Stick IR 900mm 11,8W ww		• colour appearance ww (warm white)	320 g
610 010 853 01	LED Flat-Stick IR 1200mm 16,2W ww		• not dimmable	410 g
			• incl. hinge set	
213 060 000 20	Flat hinge set 0-180° tilt		• included with the luminaire	13 g
Accessories:	Transformers and Dimmer page 79			

GDS 1-LED



LED Glass Shelf Light

- Application:** Accent lighting for kitchens and shops
- Connection:** 220 - 240V / 50 - 60Hz
- Lamp:** extremely long-life 70mW LED, ϕ life 30,000 hours
- Energy efficiency:** good, ww: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww: Ra = 90; cw: Ra = 85
- Special features:** no UV-rays; 8mm tempered safety glass for loads up to 10kg; easy to adjust with knurled screws; version with switch on request.



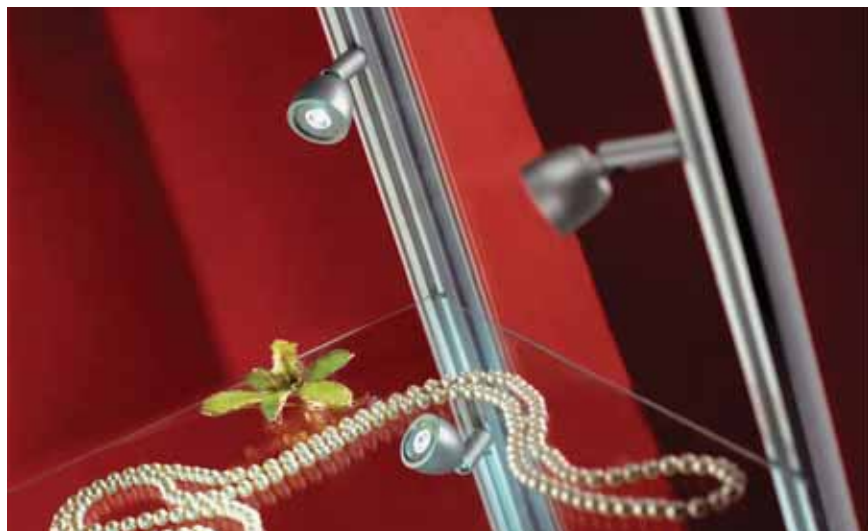
Article No.	Description	Features	Approx. weight
610 011 811 01	GDS 1-LED 600mm 1,6W ww	• light colour ww (warm white)	3300 g
610 011 812 01	GDS 1-LED 900mm 2,4W ww	• stainless steel look	5100 g
610 011 813 01	GDS 1-LED 1200mm 3,2W ww	• mains cable 2m with shockproof plug D/F/B supplied loose	6500 g
610 011 801 01	GDS 1-LED 600mm 1,6W cw	• light colour cw (cool white)	3300 g
610 011 802 01	GDS 1-LED 900mm 2,4W cw	• stainless steel look	5100 g
610 011 803 01	GDS 1-LED 1200mm 3,2W cw	• mains cable 2m with shockproof plug D/F/B supplied loose	6500 g

NEW

LED Point

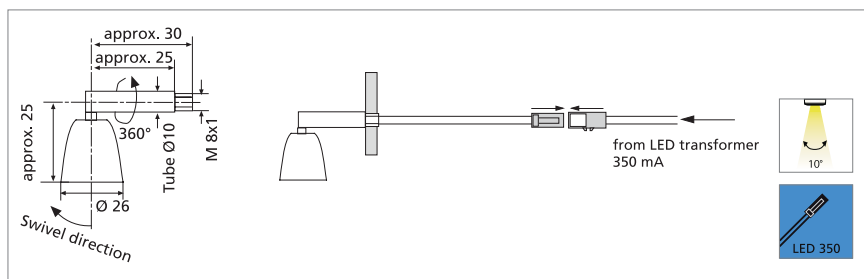


LED
Fluorescent



Rotate and Swivel LED Spotlight

Application: discreet illumination for jewellery display shelves and showcases
Connection: LED-transformer DC 350mA
Lamp: extremely long-life 1 x 1W power LEDs, ϕ life 50,000 hours
Energy efficiency: good – very good, ww: 60lm/W; cw: 80lm/W
Colour rendering: ww: good, Ra = 90; cw: satisfactory, Ra = 75
Special features: narrow beam angle of 10°; no UV rays; quality crafted all-metal body; easily mounted with M 8 x 1 thread.



Article No.	Description	Features	Approx. weight
610 010 410 16	LED Point 1W cw (cool white)	• supply cable 1.8m with LED 350 plug	70 g
610 010 420 16	LED Point 1W ww (warm white)	• matt chrome	70 g
215 250 610 01	LED 350 connecting cable 1m		12 g
215 250 620 01	LED 350 connecting cable 2m		20 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug	• for 1 – 3 LED Point (further information on page 124)	175 g
615 003 009 04	Transformer LED 350/9W 9-way distributor with Euro plug	• for 4 – 9 LED Point (further information on page 124)	190 g

LED ON TOP

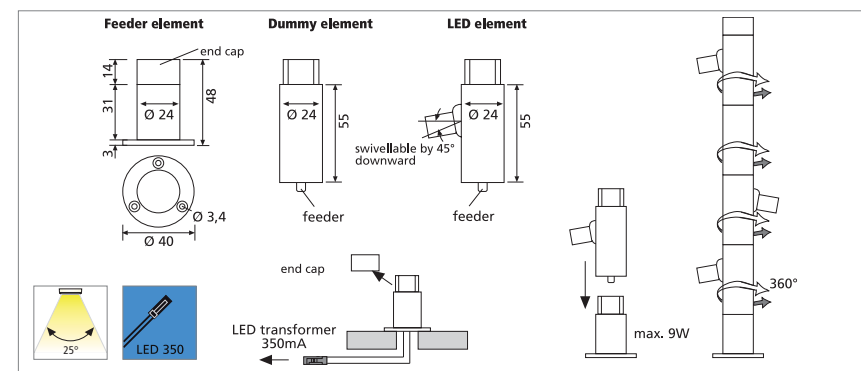


LED
Fluorescent



Pluggable LED Luminaire for Showcases

Application: individual combined luminaire for showcases
Connection: LED-transformer DC 350mA
Lamp: extremely long-life 1 x 1W power LEDs, ϕ life 50,000 hours
Energy efficiency: good – very good, ww: 60lm/W; cw: 80lm/W
Colour rendering: ww: good, Ra = 80; cw: satisfactory, Ra = 75
Special features: minimal power consumption; no UV-rays; up to 9 LED elements pluggable; 360° rotatable and swivellable by 45° downward



NEW

Article No.	Description	Features	Approx. weight
202 023 703 01	LED ON TOP 1W cw black	• light colour cw (cool white)	45 g
202 023 713 01	LED ON TOP 1W cw anodised aluminium		45 g
202 023 704 01	LED ON TOP 1W ww black	• light colour ww (warm white)	45 g
202 023 714 01	LED ON TOP 1W ww anodised aluminium		45 g
202 023 701 01	LED ON TOP feeder element black	• supply cable 1.8m with LED 350 plug	55 g
202 023 711 01	LED ON TOP feeder element anodised aluminium	• incl. end cap	55 g
202 023 702 01	LED ON TOP dummy element black		30 g
202 023 712 01	LED ON TOP dummy element anodised aluminium		30 g
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug	• for 1 – 3 feeder elements (further information on page 124)	175 g
615 003 009 04	Transformer LED 350/9W 9-way distributor with Euro plug	• for 4 – 9 feeder elements (further information on page 124)	190 g

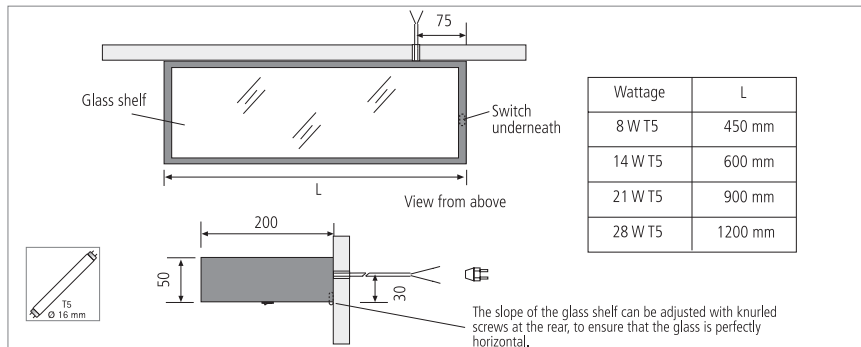
GS 2

LED
Fluorescent



Glass Shelf Luminaire with Switch

- Application:** accentuated lighting with shelves in kitchen, bathroom and living room
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours / or T5 (ø 16mm), ø life 7,000 hours
- Energy efficiency:** good – very good, 56 – 93lm/W (8 – 28W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving with integrated electronic ballast; for loads of max. 2.5kg per 100mm of lighting; simple alignment using knurled thumb screws.



Article No.	Description	Features	Approx. weight
501 360 200 01	GS 2 450 mm 8W T5 anodised aluminium	• anodised aluminium • mains cable 2.5m with shockproof plug D/F/B supplied loose	2900 g
501 360 201 01	GS 2 600 mm 14W T5 HE anodised aluminium	• incl. T5 lamp cw (cool white) • incl. electronic ballast	3800 g
501 360 203 01	GS 2 900 mm 21W T5 HE anodised aluminium	• incl. switch	5100 g
501 360 204 01	GS 2 1200 mm 28W T5 HE anodised aluminium		7000 g
501 360 401 08	GS 2 450 mm 8W T5 stainless steel	• stainless steel • mains cable 2.5m with shockproof plug D/F/B supplied loose	2900 g
501 360 402 08	GS 2 600 mm 14W T5 HE stainless steel	• incl. T5 lamp cw (cool white) • incl. electronic ballast	3800 g
501 360 403 08	GS 2 900 mm 21W T5 HE stainless steel	• incl. switch	5100 g
501 360 404 08	GS 2 1200 mm 28W T5 HE stainless steel		7000 g

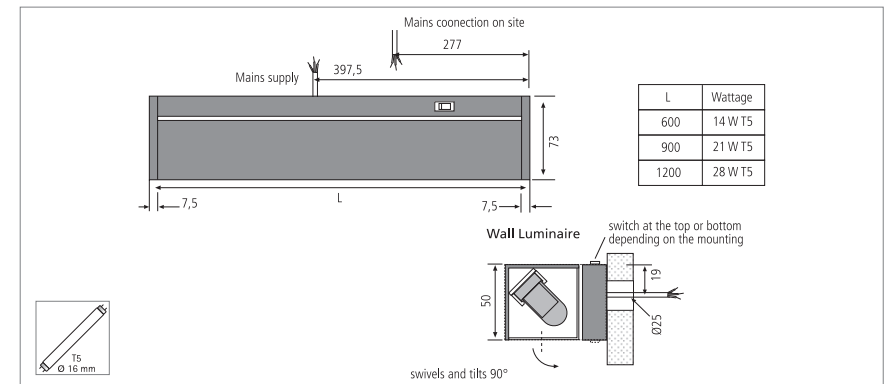
Memphis

LED
Fluorescent



Swivel and Tilt Cornice Luminaire

- Application:** Swivel and tilt luminaire to create different lighting moods
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** very good, 86 – 93lm/W (14 – 28W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving with integrated electronic ballast; with switch; as under-cabinet (page 91) and wall luminaire available in three different lengths.



Memphis – this swivel and tilt wall luminaire proves that fluorescent lighting can satisfy the design requirements of even the most discerning customers. Unlike reflector lamps, the entire luminaire can be swivelled and tilted 90° backwards, allowing numerous lighting scenarios.

Article No.	Description	Features	Approx. weight
501 230 212 01	Memphis Wall Luminaire 600mm 14W ww	• stainless steel • mains cable 2m with shockproof plug D/F/B supplied loose	1400 g
501 230 213 01	Memphis Wall Luminaire 900mm 21W ww	• incl. T5 lamp ww (warm white)	1900 g
501 230 214 01	Memphis Wall Luminaire 1200mm 28W ww		2300 g
501 230 202 01	Memphis Wall Luminaire 600mm 14W cw	• stainless steel • mains cable 2m with shockproof plug D/F/B supplied loose	1400 g
501 230 203 01	Memphis Wall Luminaire 900mm 21W cw	• incl. T5 lamp cw (cool white)	1900 g
501 230 204 01	Memphis Wall Luminaire 1200mm 28W cw		2300 g

Under-Cabinet Luminaires

The combination of exceptional styling and functional features is what makes Hera the popular choice for under-cabinet luminaires. When mounted where they are clearly visible, they convince even the most discerning customer. Their many quality casing designs are always sure to be an eye-catcher.

LED ADD-ON

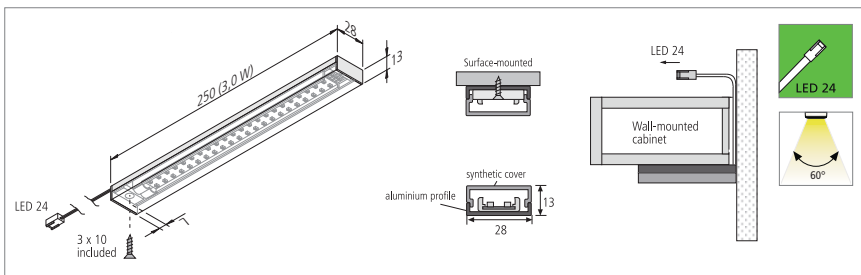


LED
Fluorescent
Halogen



Flat LED Under-Cabinet Luminaire

Application: luminaire for installation under kitchen furniture
Connection: LED transformer DC 24V
Lamp: extremely long-life 48 x 70 mW LED, ø life 30,000 hours
Energy efficiency: good, 55lm/W
Colour rendering: good, Ra = 90
Special features: no UV rays; low power consumption.



Article No.	Description	Features	Approx. weight
610 012 201 02	LED ADD-ON 3W ww anodised aluminium	• supply cable 2.5m with LED 24 plug	135 g
610 548 032 01	set of 3 LED ADD-ON 3W ww anodised aluminium	• incl. transformer LED 24/15W	575 g
610 548 032 11	set of 3 LED ADD-ON 3W ww with switch anodised aluminium	• incl. transformer LED 24/15W and EBS-4	725 g
215 300 610 01	LED 24 connecting cable 1m		9 g
215 300 625 01	LED 24 connecting cable 2.5m		22 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor	• mains cable 2m with Euro plug	167 g
206 040 012 01	Transformer LED 24/30W DC 24V 12-way distributor		250 g

Puck LED 2

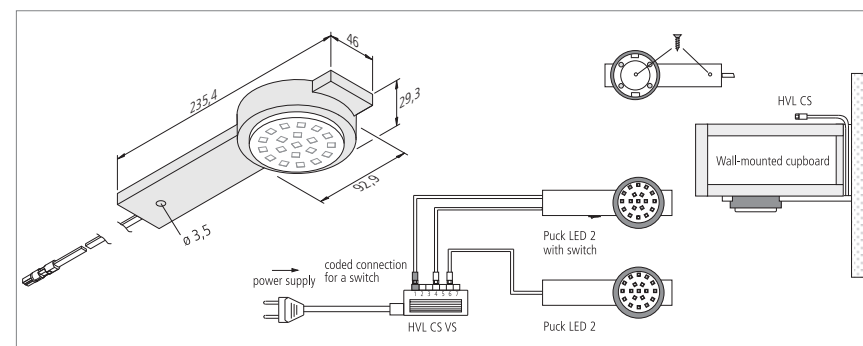
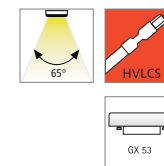


LED
Fluorescent
Halogen



LED Under-Cabinet Luminaire for 230V

Application: luminaire for installation under kitchen furniture
Connection: 220 – 240V / 50 – 60Hz
Lamp: extremely long-life GX 53-LED 3W 20SMD, ø life 30,000 hours
Energy efficiency: good, 75lm/W (3W)
Colour rendering: good, Ra = 82
Special features: integrated electronic ballast; low power consumption; available with switch on request.



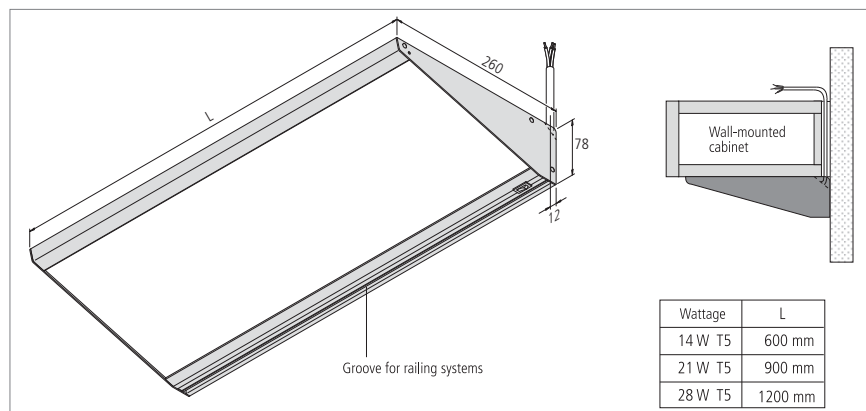
Article No.	Description	Features	Approx. weight
610 012 702 08	Puck LED 2 3W ww stainless steel	• light colour ww (warm white) • supply cable 1,8m with HVL CS plug	230 g
610 012 712 18	Puck LED 2 3W ww stainless steel with switch	• light colour ww (warm white) • supply cable 1,8m with HVL CS plug	430 g
610 503 934 08	set of 3 Puck LED 2 3W ww with switch stainless steel	• incl. mains cable 2m with Euro plug and 6-way coupling	890 g
215 440 320 01	HVLC S 43/2000 mains cable 2m	• with Euro plug	90 g
215 441 120 01	HVLC S V/2000 mains cable 2m + 6-way distributor		120 g
215 440 610 01	HVLC S 46/1000 connecting cable 1m		45 g

Gamma



Fluorescent Under-Cabinet Luminaire with Satinised Glass and Groove

- Application:** especially designed for kitchen worktops
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** very good, 86 – 93lm/W (14 – 28W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving with integrated electronic ballast; groove for Kesseböhmer railing system Linero 2000; with switch; available in three different lengths.



Gamma – the under-cabinet luminaire for widespread washes of light in kitchens. Attractive aluminium casing and satinised safety glass bottom. Includes switch and option of later mounting of (Kesseböhmer) railing. Depth of 260 mm and three different lengths offer exceptional versatility.

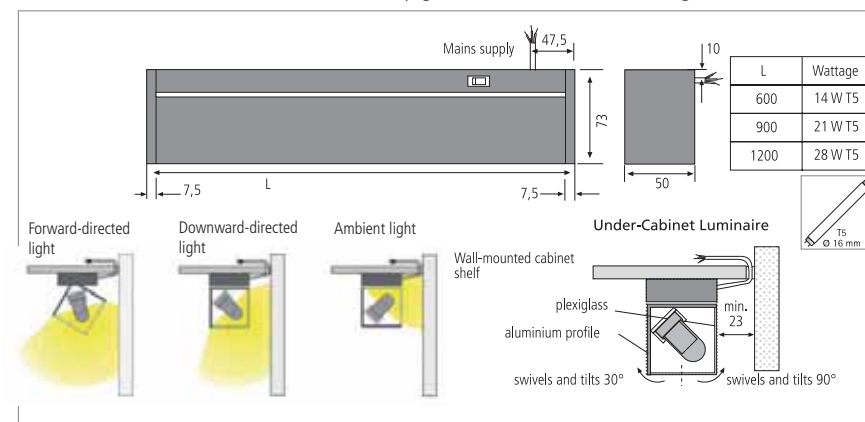
Article No.	Description	Features	Approx. weight
501 470 201 02	Gamma 600mm 14W ww anodised aluminium	• anodised aluminium	3700 g
501 470 202 02	Gamma 900mm 21W ww anodised aluminium	• mains cable 2m with shockproof plug D/F/B supplied loose • incl. T5 lamp ww (warm white)	5100 g
501 470 203 02	Gamma 1200mm 28W ww anodised aluminium		7500 g
501 470 101 02	Gamma 600mm 14W ww stainless steel	• stainless steel	3700 g
501 470 102 02	Gamma 900mm 21W ww stainless steel	• mains cable 2m with shockproof plug D/F/B supplied loose • incl. T5 lamp ww (warm white)	5100 g
501 470 103 02	Gamma 1200mm 28W ww stainless steel		7500 g

Memphis



Swivel and Tilt Under-Cabinet Luminaire

- Application:** swivel and tilt under-cabinet luminaire to create different lighting moods
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours
- Energy efficiency:** very good, 86 – 93lm/W (14 – 28W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** flicker-free instant start and energy-saving with integrated electronic ballast; with switch; as under-cabinet and wall luminaire (page 85) available in three different lengths.



Article No.	Description	Features	Approx. weight
501 230 112 01	Memphis Under-Cabinet Luminaire 600mm 14W ww	• stainless steel	1400 g
501 230 113 01	Memphis Under-Cabinet Luminaire 900mm 21W ww	• mains cable 2m with shockproof plug D/F/B supplied loose • incl. T5 lamp ww (warm white)	1900 g
501 230 114 01	Memphis Under-Cabinet Luminaire 1200mm 28W ww		2300 g
501 230 102 01	Memphis Under-Cabinet Luminaire 600mm 14W cw	• stainless steel	1400 g
501 230 103 01	Memphis Under-Cabinet Luminaire 900mm 21W cw	• mains cable 2m with shockproof plug D/F/B supplied loose • incl. T5 lamp cw (cool white)	1900 g
501 230 104 01	Memphis Under-Cabinet Luminaire 1200mm 28W cw		2300 g

Boston

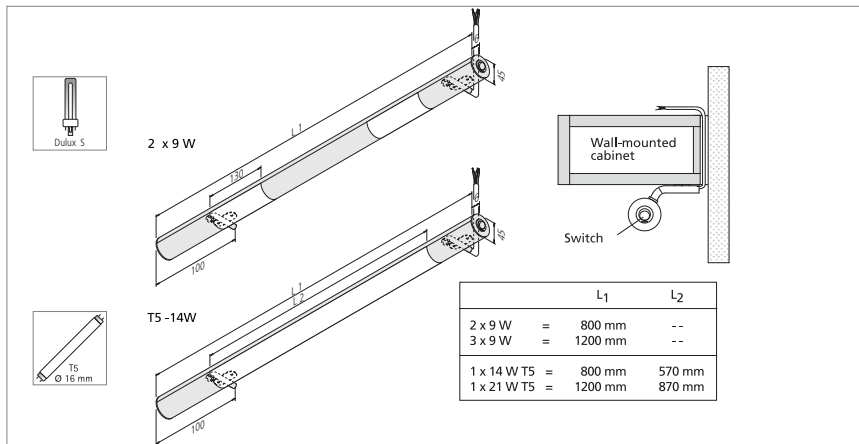


LED
Fluorescent
Halogen



Fluorescent Under-Cabinet Luminaire with Switch

- Application:** upmarket lighting solution for the smallest of spaces in kitchens and shops
- Connection:** T5: 220 – 240V / 50 – 60Hz // DULUX S: 230V / 50Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours / or compact fluorescent lamp DULUX S, ø life 8,000 hours
- Energy efficiency:** good – very good, 67 – 90lm/W (9 – 21W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** built-in side switch; with compact fluorescent lamp or T5 lamp; available in two lengths with different light outflows.



Article No.	Description	Features	Approx. weight
501 320 106 01	Boston 800mm 2x9W Dulux	• anodised aluminium/colour appearance cw (cool white) • mains cable 2m with shockproof plug D/F/B supplied loose	1230 g
501 320 206 01	Boston 1200mm 3x9W Dulux	¹⁾ Safety rating 1	1920 g
501 320 106 11	Boston 800mm 1x14W T5	• anodised aluminium/colour appearance cw (cool white) • mains cable 1.6m with shockproof plug D/F/B supplied loose	940 g
501 320 206 11	Boston 1200mm 1x21W T5	²⁾ Safety rating 2	1400 g

Boston R

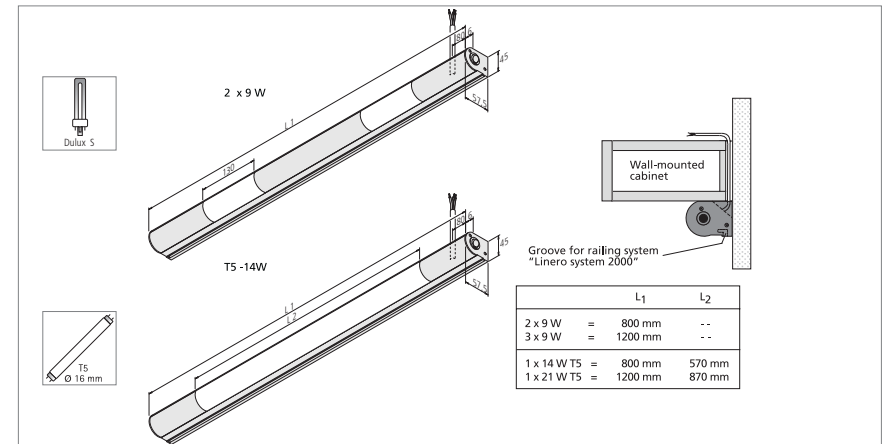


LED
Fluorescent
Halogen



Fluorescent Under-Cabinet Luminaire with Switch and Railing Channel

- Application:** upmarket lighting solution with railing channel for kitchens
- Connection:** T5: 220 – 240V / 50 – 60Hz // DULUX S: 230V / 50Hz
- Lamp:** extremely long-life T5 (ø 16mm) high efficiency fluorescent lamp, ø life 20,000 hours / or compact fluorescent lamp DULUX S, ø life 8,000 hours:
- Energy efficiency:** good – very good, 67 – 90lm/W (9 – 21W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** built-in side switch; groove for Kesseböhmer railing system "Linero 2000"; with compact fluorescent lamp or T5 lamp; available in two lengths with different light outflows.



Article No.	Description	Features	Approx. weight
501 370 106 01	Boston R 800mm 2x9W Dulux	• anodised aluminium/colour appearance cw (cool white) • mains cable 2m with shockproof plug D/F/B supplied loose	1350 g
501 370 206 01	Boston R 1200mm 3x9W Dulux	¹⁾ Safety rating 1	2040 g
501 370 106 11	Boston R 800mm 1x14W T5	• anodised aluminium/colour appearance cw (cool white) • mains cable 1.6m with shockproof plug D/F/B supplied loose	1110 g
501 370 206 11	Boston R 1200mm 1x21 W T5	²⁾ Safety rating 2	1530 g

SIL/SIL-S

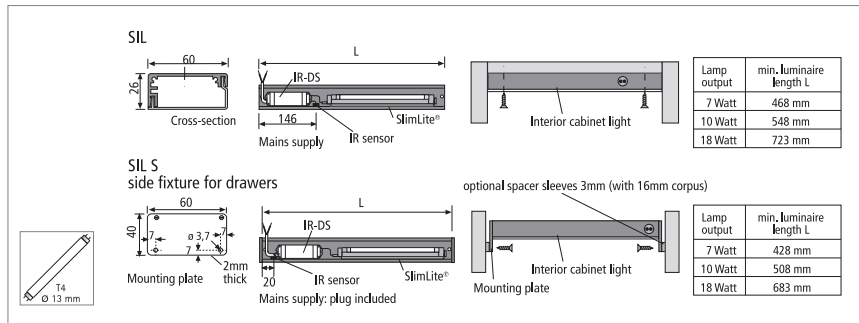


LED
Fluorescent
Halogen



Fluorescent Interior Cabinet Luminaire

- Application:** ready-to-install cabinet lighting for kitchens, bedrooms and living areas
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** long-life T4 (ø 13mm) fluorescent lamp, ø life 10,000 hours
- Energy efficiency:** good – very good, 60 – 75lm/W (7 – 18W)
- Colour rendering:** good, Ra = 80 – 89
- Special features:** integrated touch-less sensor switch automatically switches off after 30 mins.; luminaire length according to customer specifications. SIL-S version for side fixture in drawers. Also available with 2 infrared sensors (SIL 2) for double doors, upon request.



Article No.	Description	Illustration	Features	Approx. weight
530 010 100 13	SIL 7W length 560mm shorten at 468mm		- mains cable 4m with shockproof plug D/F/B supplied loose - incl. T4 lamp cw (cool white)	620 g
530 020 100 15	SIL 10W length 735mm shorten at 548mm			700 g
530 030 100 32	SIL 18W length 1200mm shorten at 723mm			900 g
on request	SIL 7W length between 468-547mm			620 g
on request	SIL 10W length between 548-722mm		- mains cable 4m with shockproof plug D/F/B supplied loose - incl. T4 lamp cw (cool white) - incl. mounting plates for side mounting * with enclosed spacer sleeves	700 g
on request	SIL 18W length between 723-1200mm			900 g
501 111 200 03	SIL-S 7W length 412mm / 418mm*			810 g
501 111 300 15	SIL-S 10W length 562mm / 568mm*			900 g
501 111 400 41	SIL-S 18W length 862mm / 868mm*		- mains cable 4m with shockproof plug D/F/B supplied loose - incl. T4 lamp cw (cool white) - with 2 infrared sensors for double doors	620 g
on request	SIL-S 7W length between 428-507mm			620 g
on request	SIL-S 10W length between 508-682mm			700 g
on request	SIL-S 18W length between 683-1200mm			900 g

SIL-LED

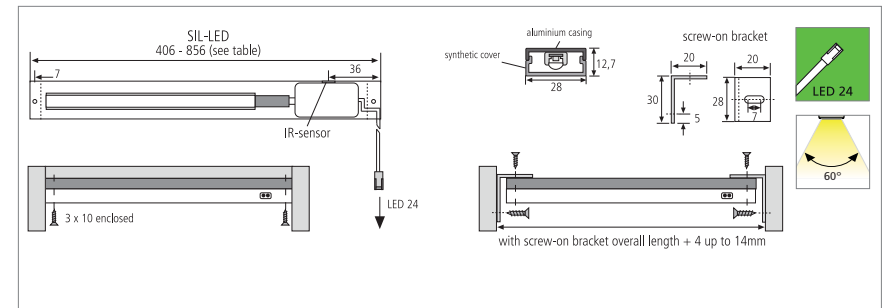


LED
Fluorescent
Halogen



LED Interior Cabinet Luminaire

- Application:** flat cabinet lighting for kitchens, bedrooms and living areas
- Connection:** LED transformer DC 24V
- Lamp:** extremely long-life 70 mW LED, ø life 30,000 hours
- Energy efficiency:** good, 65lm/W
- Colour rendering:** good, Ra = 85
- Special features:** integrated touch-less sensor switch; screw-on bracket as accessory for side fixture in drawers.



Article-No.	Description	Illustration	Features	Approx. weight
610 012 101 01	SIL-LED 2,4W 406mm (with screw-on bracket 410-420mm)		- mains cable 2,5m with LED 24 plug - anodised aluminium - light colour cw (cool white) - incl. 500mm cable duct adhesive	125 g
610 012 102 01	SIL-LED 3,2W 556mm (with screw-on bracket 560-570mm)			185 g
610 012 103 01	SIL-LED 5,6W 856mm (with screw-on bracket 860-870mm)			305 g
202 040 110 01	Screw-on bracket SIL-LED for side mounting		variable to mount (overall length + 4 up to 14mm)	20 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor		- mains cable 2m with Euro plug - further information on page 127	167 g

Futura Plus R

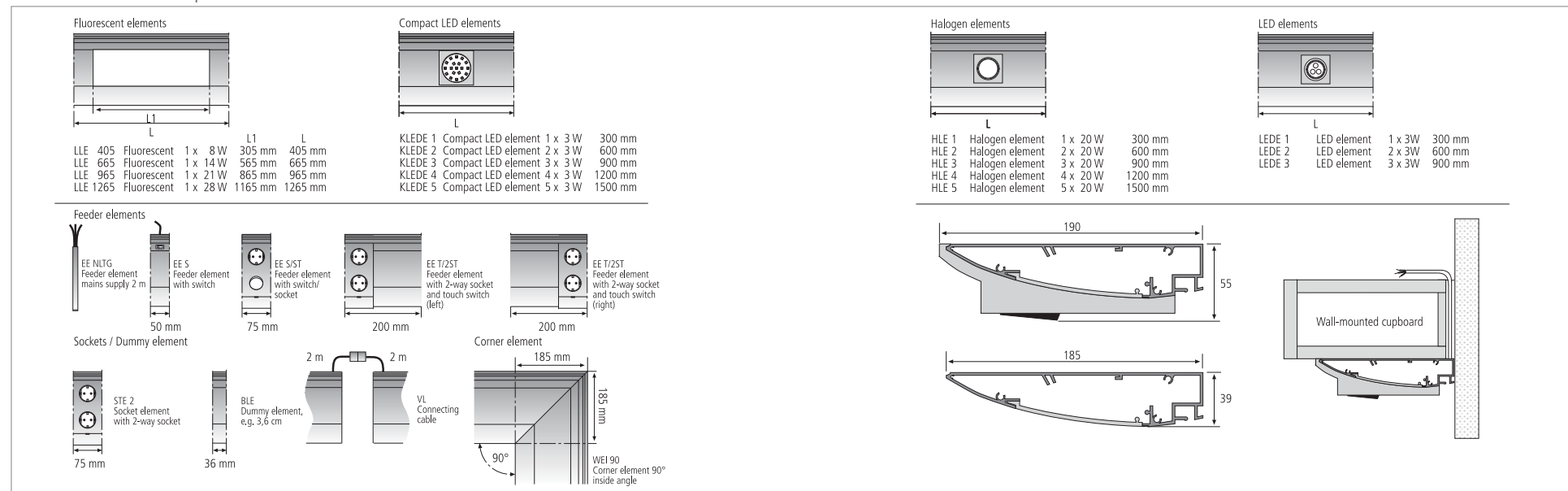


Under-Cabinet Luminaire in Customised Lengths with Fittings to Suit

Application: customised niche luminaire for kitchens

Connection: 220 – 240V / 50 – 60Hz

Special features: version „R“ with integrated channel for Kesseböhmer railing system "Linero 2000"; anodised aluminium profile in stainless steel colour.



Futura Plus R – modern LED niche lighting in customised lengths for the kitchen. Various fittings can be freely combined, meeting every need in kitchen illumination. The **Futura Configurator** at www.hera-online.de provides an online planning guide.

Futura Plus R

LED
Fluorescent
Halogen



	Fluorescent:	Halogen:	LED:
Lamp:	extra long-life T5 (ø 16mm) High Efficiency fluorescent lamp, ø life 20,000 hours / or compact fluorescent lamp GX 53, ø life 6,000 hours	long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE", ø life 4,000 hours / max. 20W	extremely long-life 3 X 1W power-LEDs, ø life 60,000 hours (KLEDE: 20 SMD LED, ø life 30,000 hours)
Energy efficiency:	good – very good, 37 – 93lm/W (6 – 28W)	satisfactory, 13 – 26lm/W (10 – 20W)	very good, ww: 80lm/W (KLEDE: 75lm/W)
Colour rendering:	good, Ra = 80 – 89	very good, Ra = 100	ww: good, Ra = 85 (KLEDE: Ra = 80)

Futura Plus R – the halogen niche lighting in customised lengths for the kitchen. Various fittings can be freely combined, meeting every need in kitchen illumination. The **Futura Configurator** at www.hera-online.de provides an online planning guide.

Futura Plus R



Futura Plus R 1



Stainless steel 900mm Fluorescent
1x 14W, light colour warm white
Switch, 3x Socket

Artikel-Nr. 531 050 110 01

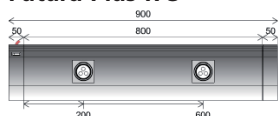
Futura Plus R 2



Stainless steel 900mm Fluorescent (only Switch)
1x 14W, light colour warm white
Switch

Artikel-Nr. 531 050 110 02

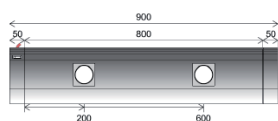
Futura Plus R 3



Stainless steel 900mm LED (only Switch)
2x 3W, light colour warm white
Switch

Artikel-Nr. 531 050 110 03

Futura Plus R 4



Stainless steel 900mm Halogen (only Switch)
2x 20W
Switch

Artikel-Nr. 531 050 110 04

Futura Plus R 5



Stainless steel 1000mm Fluorescent
1x 14W, light colour warm white
Switch, 3x Socket

Artikel-Nr. 531 050 110 05

Futura Plus R 6



Stainless steel 1000mm Fluorescent (only Switch)
1x 14W, light colour warm white
Switch

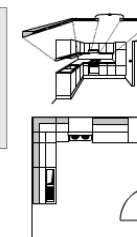
Artikel-Nr. 531 050 110 06

Sample configuration

LED
Fluorescent
Halogen



Futura Plus R basic construction – view from above



Planning example

Futura Plus R 7



Stainless steel 1000mm LED
3x 3W, light colour warm white
Switch, 3x Socket

Artikel-Nr. 531 050 110 07

Futura Plus R 8



Stainless steel 1000mm Halogen
3x 20W
Switch, 3x Socket

Artikel-Nr. 531 050 110 08

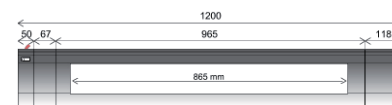
Futura Plus R 9



Stainless steel 1200mm Fluorescent
1x 21W, light colour warm white
Switch, 3x Socket

Artikel-Nr. 531 050 110 09

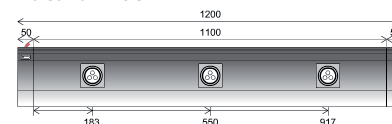
Futura Plus R 10



Stainless steel 1200mm Fluorescent (only Switch)
1x 21W, light colour warm white
Switch

Artikel-Nr. 531 050 110 10

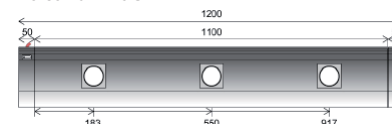
Futura Plus R 11



Stainless steel 1200mm LED (only Switch)
3x 3W, light colour warm white
Switch

Artikel-Nr. 531 050 110 11

Futura Plus R 12



Stainless steel 1200mm Halogen (only Switch)
3x 20W
Switch

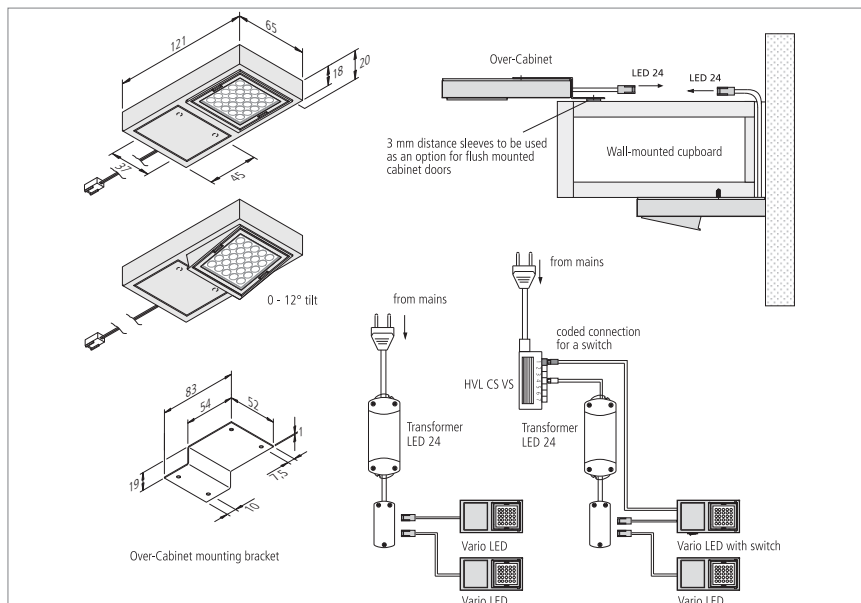
Artikel-Nr. 531 050 110 12

Vario LED



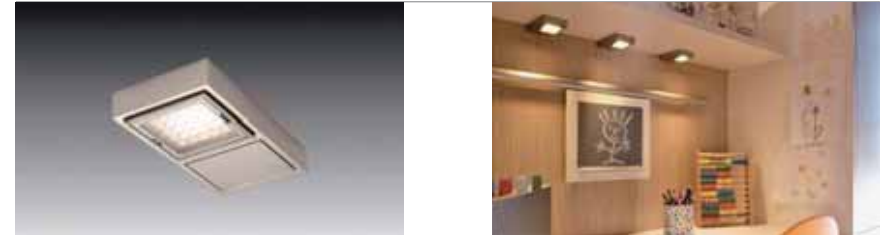
Swivel and Tilt LED Under-Cabinet Luminaire

- Application:** adjustable niche luminaire for the kitchen
- Connection:** LED transformer DC 24V
- Lamp:** extremely long-life 25 x 80mW LED, ϕ life 30,000 hours
- Energy efficiency:** good, ww: 55lm/W; cw: 65lm/W
- Colour rendering:** good, ww: Ra = 90; cw: Ra = 85
- Special features:** no UV rays; low power consumption; can be tilted in four stages 0°, 4°, 8° and 12°; contemporary square shape



Vario LED

LED
Fluorescent
Halogen



Vario LED – the ideal LED under-cabinet solution for niches in the kitchen. The square luminaire with a certain something can be tilted in four stages - 0°, 4°, 8° and 12°. Extremely simple to install due to 24V DC voltage.



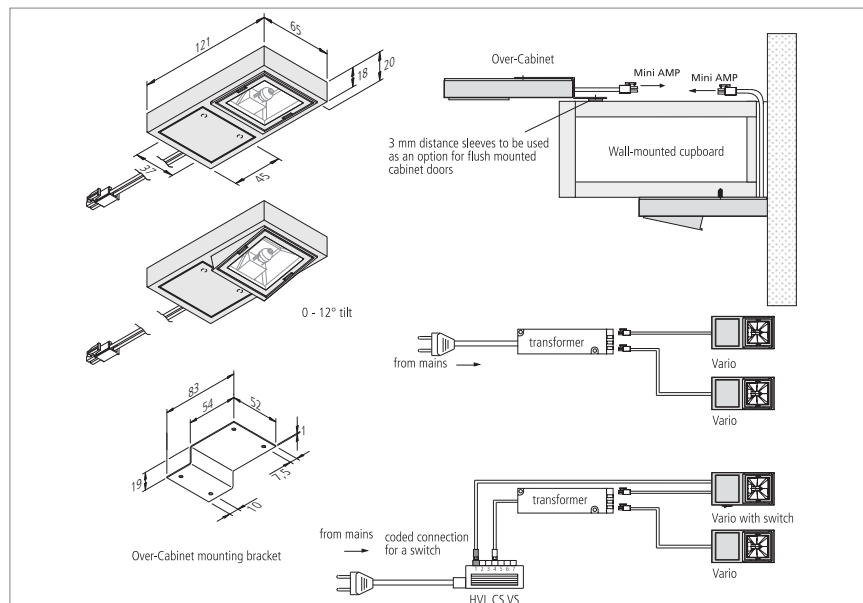
Article No.	Description	Illustration	Features	Approx. weight
610 009 602 06	Vario LED 2W (25 LED) ww matt chrome		- light colour ww (warm white) or cw (cool white) - supply cable 2.4m with LED 24 plug	110 g
610 009 601 06	Vario LED 2W (25 LED) cw matt chrome			110 g
610 009 602 08	Vario LED 2W (25 LED) ww stainless steel			110 g
610 009 601 08	Vario LED 2W (25 LED) cw stainless steel			110 g
610 009 604 06	Vario LED 2W (25 LED) ww matt chrome with switch		- light colour ww (warm white) or cw (cool white) - supply cable 2.4m with LED 24 plug - incl. mains cable 2m with Euro plug and 6-way coupling	120 + 245 g
610 009 603 06	Vario LED 2W (25 LED) cw matt chrome with switch			120 + 245 g
610 009 604 08	Vario LED 2W (25 LED) ww stainless steel with switch			120 + 245 g
610 009 603 08	Vario LED 2W (25 LED) cw stainless steel with switch			120 + 245 g
610 503 530 08	set of 3 Vario LED 2W ww stainless steel		- incl. transformer LED 24/15W - supply cable 2.4m with LED 24 plug	280 g
610 503 531 08	set of 3 Vario LED 2W ww stainless steel with switch		- incl. transformer LED 24/15W - supply cable 2.4m with LED 24 plug - incl. mains cable 2m with Euro plug and 6-way coupling	740 g
615 000 303 01	Over-Cabinet mounting bracket Vario		- incl. fastening screws - incl. distance sleeves to be used as an option for flush mounted cabinet doors	45 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor		- mains cable 2m with Euro plug - for Vario LED without switch - for max. 7 Vario LED	167 g
615 003 007 06	Transformer LED 24/15W DC 24V 12-way distributor		- mains cable 2m with HVLCS plug - for Vario LED with switch - for max. 7 Vario LED	155 g
215 300 610 01	LED 24 connecting cable 1m			9 g
215 300 625 01	LED 24 connecting cable 2,5m			22 g

Vario



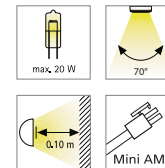
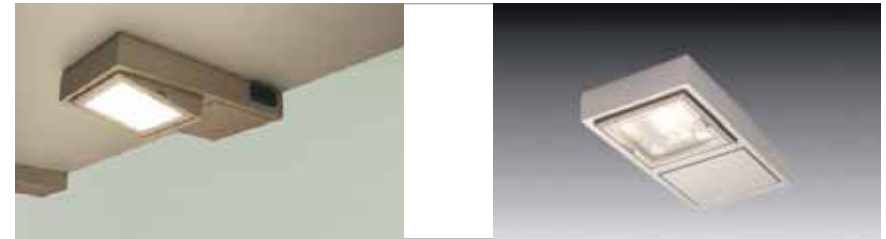
Swivel-and-tilt halogen under-cabinet luminaire

- Application:** adjustable niche luminaire for the kitchen
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp „OSRAM HALOSTAR STARLITE®“,
 ø life 4,000 hours / max. 20W
Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: can be tilted in four stages 0°, 4°, 8° and 12°; contemporary square shape



Vario

LED
Fluorescent
Halogen



Vario – the ideal halogen under-cabinet solution for niches in the kitchen. The square luminaire with a certain something can be tilted in four stages - 0°, 4°, 8° and 12°. The supply cable is provided with ready-to-use low voltage plug-in system.

Article No.	Description	Illustration	Features	Approx. weight
610 009 701 06	Vario 20W matt chrome		• supply cable 1.7m with Mini AMP plug included loose	100 g
610 009 701 08	Vario 20W stainless steel			100 g
610 009 702 06	Vario 20W with switch matt chrome		• supply cable 1.7m with Mini AMP plug included loose • incl. mains cable 2m with 6-way coupling and Euro plug	120 + 235 g
610 009 702 08	Vario 20W with switch stainless steel			120 + 235 g
610 503 130 08	set of 3 Vario 20W stainless steel		• incl. transformer Puma 105W • supply cable 1.7m with Mini AMP plug included loose	510 g
610 503 131 08	set of 3 Vario 20W stainless steel with switch		• incl. transformer Puma 105W • supply cable 1.7m with Mini AMP plug included loose • incl. mains cable 2m with 6-way coupling and Euro plug	510 g
615 000 303 01	Over-Cabinet mounting bracket Vario		• incl. fastening screws • incl. distance sleeves to be used as an option for flush mounted cabinet doors	45 g
615 002 015 07	transformer VEGA K70			190 g
615 002 016 07	transformer MBLUF 60		• Mains cable 2m with HVLCFS plug • for max. 3 Vario with switch	195 g
615 002 010 18	transformer Puma 105			200 g
615 002 019 03	transformer MBLUF 105		• Mains cable 2m with HVLCFS plug • for max. 5 Vario with switch	205 g
215 032 202 20	Mini AMP connecting cable 0.5m			25 g
215 032 202 10	Mini AMP connecting cable 1m		• further information on page 130	40 g
215 032 202 02	Mini AMP connecting cable 1.8m			65 g
Accessories:	Transformers for Vario without switch from page 116			

DK 3-LED



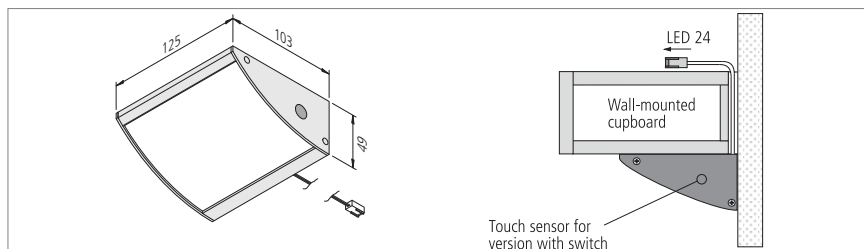


LED
 Fluorescent
 Halogen



LED Under-Cabinet Luminaire with Curved Glass Shade

- Application:** decorative LED lighting for the kitchen
Connection: LED transformer DC 24V
Lamp: extremely long-life 48 x 80mW LED, ϕ life 30,000 hours
Energy efficiency: good, 55lm/W
Colour rendering: good, Ra = 90
Special features: satin glass cover; easy to assemble with only one screw; electronic contact switch EBS 4 as an optional extra.



DK 3-LED – exceptional LED lighting for the kitchen. The combination of metal and satin glass provides a lighting solution with an ultra-modern look. The curved glass shade of the under-cabinet luminaire gives the niche an elegant appearance.

Article No.	Description	Features	Approx. weight
610 011 603 07	DK 3-LED 4W (48LED) anodised aluminium	• supply cable 2.5m with LED 24 plug	310 g
610 503 430 07	set of 3 DK 3-LED 4W ww anodised aluminium	• incl. transformer LED 24/30W	1100 g
610 503 431 07	set of 3 DK 3-LED 4W ww with switch anodised aluminium	• incl. transformer LED 24/30W and EBS-4	1250 g
215 300 610 01	LED 24 connecting cable 1m		9 g
215 300 625 01	LED 24 connecting cable 2,5m		22 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor	• mains cable 2m with Euro plug	167 g
206 040 012 01	Transformer LED 24/30W DC 24V 12-way distributor	• further information on page 127	250 g

DK 3



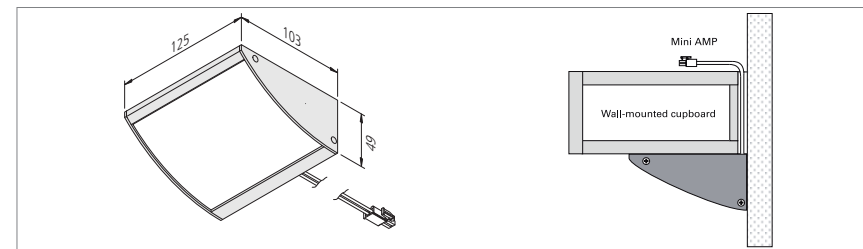


LED
 Fluorescent
 Halogen



Halogen Under-Cabinet Luminaire with Curved Glass Shade

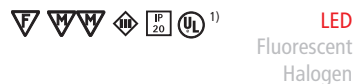
- Application:** decorative halogen luminaire for the kitchen
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE®", ϕ life 4,000 hours / max. 20W
Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: all-metal casing; satin glass cover; supply cable fitted with ready-to-use low voltage plug-in system.



DK 3 – exceptional halogen lighting for the kitchen. The combination of metal and satin glass provides a lighting solution with an ultra-modern look. The curved glass shade of the under-cabinet luminaire gives the niche an elegant appearance.

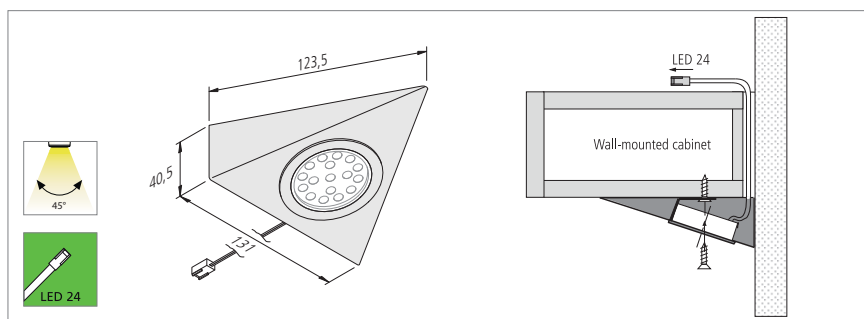
Article No.	Description	Features	Weight approx.
610 009 820 07	DK 3 20W anodised aluminium	• supply cable 1.8m with Mini AMP plug included loose	330 g
610 503 330 07	set of 3 DK 3 20W anodised aluminium	• incl. transformer Puma 105W • supply cable 1.8m with Mini AMP plug included loose	1200 g
215 032 202 20	Mini AMP connecting cable 0.5m	• further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m		40 g
215 032 202 02	Mini AMP connecting cable 1.8m		65 g
Accessories:	Transformers for halogen luminaires from page 116		

UL 1-LED



Triangular LED Under-Cabinet Luminaire in Stainless Steel

- Application:** decorative LED lighting for kitchens
Connection: LED transformer DC 24V
Lamp: extremely long-life 24 x 67mW LED, ϕ life 30,000 hours
Energy efficiency: good, 55lm/W
Colour rendering: good, Ra = 90
Special features: casing of brushed stainless steel; easy to assemble with only one screw; electronic contact switch EBS 4 as an optional extra.



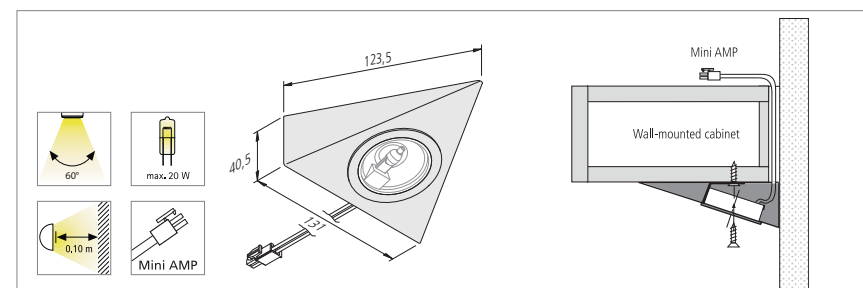
Article No.	Description	Features	Approx. weight
610 008 401 08	UL 1-LED 1.6W ww stainless steel	• supply cable 2.5m with LED 24 plug	175 g
610 545 300 08	set of 3 UL 1-LED 1.6W ww stainless steel	• incl. transformer LED 24/15W	695 g
610 546 300 08	set of 3 UL 1-LED 1.6W ww with switch stainless steel	• incl. transformer LED 24/15W and EBS-4	845 g
215 300 610 01	LED 24 connecting cable 1m		9 g
215 300 625 01	LED 24 connecting cable 2.5m		22 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor	• mains cable 2m with Euro plug	167 g
506 110 301 01	EBS-4 D with 1m Euro plug + 0.3m Euro coupling	• incl. sensor cable 2m (further information on page 135)	150 g

UL 1



Triangular Halogen Under-Cabinet Luminaire in Stainless Steel

- Application:** decorative halogen lighting for kitchens, shops and exhibitions
Connection: halogen transformer 12V
Lamp: long-life G4 halogen lamp "OSRAM HALOSTAR STARLITE®", ϕ life 4,000 hours / max. 20W
Energy efficiency: satisfactory, 13 – 16lm/W (10 – 20W)
Colour rendering: very good, Ra = 100
Special features: casing of brushed stainless steel; easy to assemble with only one screw; electronic contact switch EBS 4 as an optional extra.



Article No.	Description	Features	Approx. weight
610 008 200 68	UL 1 20W stainless steel	• supply cable 1.8m with Mini AMP plug included loose	175 g
610 521 200 18	set of 2 UL 1 20W stainless steel	• incl. transformer Vega K70	550 g
610 521 300 18	set of 3 UL 1 20W stainless steel	• incl. transformer Vega K70	725 g
610 524 030 28	set of 3 UL 1 20W stainless steel with switch	• incl. transformer Puma 105 and EBS-4 D	890 g
610 521 500 18	set of 5 UL 1 20W stainless steel	• incl. transformer Puma 105	1085 g
215 032 202 20	Mini AMP connecting cable 0.5m	• further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m		40 g
215 032 202 02	Mini AMP connecting cable 1.8m		65 g
506 110 303 11	EBS-4 D with 1m Euro plug + 0.3m Euro coupling	• incl. sensor cable 2m (further information on page 135)	135 g
506 110 301 01	EBS-4 D with 1m Euro plug + 0.3m Euro coupling		150 g
Accessories:	Transformers for halogen luminaires from page 116		

RGB Colour Change

Hera's RGB colour-change systems create mood lighting to enhance any environment. The basic colours of red, green and blue can be blended to produce continuously changing shades and colour flows. This lighting control system offers endless possibilities to add a new dimension to rooms or room elements with coloured light.

LED RGB Line

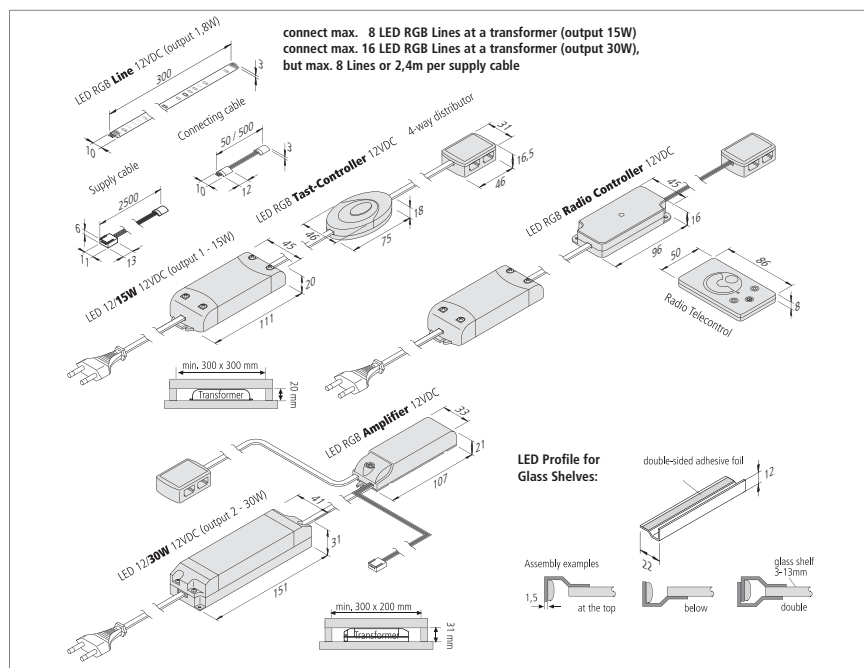


Pressure-sensitive, flexible LED RGB strips

Application: RGB light control for shops and exhibitions, counter tops and room elements
Connection: 220 – 240V / 50 – 60Hz

Special features:

- quick and easy installation with double-sided adhesive tape
- stripe can be shorten all 75 mm (marking under the adhesive foil)
- with Memory-Function (after cut off from mains the last switching status is recovered)
- dimmable in four steps (only radio controller)
- light control with LED RGB Controller:
 - 7 (free adjustable with the radio controller) colours fixed adjustable
 - 7 colours alternately / approx. 10 Sek. (with the radio controller 8, 16, 32, 64 and 128 Sek. adjustable)
 - gently fading colour flow / approx. 2 Min. (with the radio controller 8, 16, 32, 64 and 128 Sek. adjustable)
 - automatic lock-out of the colour board after 1 Min. on the radio telecontrol



LED RGB Line

LED
Fluorescent



Article No.	Description	Illustration	Features	Approx. weight
202 021 301 01	LED RGB Line 300mm 12LED 1,8W		• Light colour RGB	10 g
215 290 625 01	Supply cable LED RGB Line 2500mm		• connection between transformer and first LED RGB Line	40 g
215 290 600 01	Connecting cable LED RGB Line 50 mm		• connection between two LED RGB Lines	2 g
215 290 605 01	Connecting cable LED RGB Line 500 mm			9 g
615 000 302 01	LED Profile for Glass Shelves 410mm		• anodised aluminium • incl. double-sided adhesive foil	50 g
615 000 302 02	LED Profile for Glass Shelves 560mm			70 g
615 000 302 06	LED Profile for Glass Shelves 760mm			95 g
615 000 302 03	LED Profile for Glass Shelves 860mm			110 g
615 000 302 07	LED Profile for Glass Shelves 960mm			120 g
615 000 302 04	LED Profile for Glass Shelves 1160mm			150 g
615 000 302 51	LED Profile for Glass Shelves 1950mm set of 10			2440 g
206 040 013 01	Transformer LED 12/15W with Touch Controller		• mains cable 2m with Euro plug • with 4-way LED RGB distributor	270 g
206 040 014 01	Transformer LED 12/30W with Touch Controller			360 g
615 003 010 03	Transformer LED 12/15W with Radio Controller		• mains cable 2m with Euro plug • with 4-way LED RGB distributor • with radio telecontrol (reach max. 15m)	300 g
615 003 011 01	Transformer LED 12/30W with Radio Controller			390 g
206 040 014 30	Transformer LED 12/30W with Amplifier		• mains cable 2m with Euro plug • with 4-way LED RGB distributor • incl. 3m connecting cable to the previous 4-way LED RGB distributor	450 g
215 080 607 05	LED RGB 4-way distributor		• cable 100 mm with plug • for 3 additional mains cables on the transformer	16 g



NEW

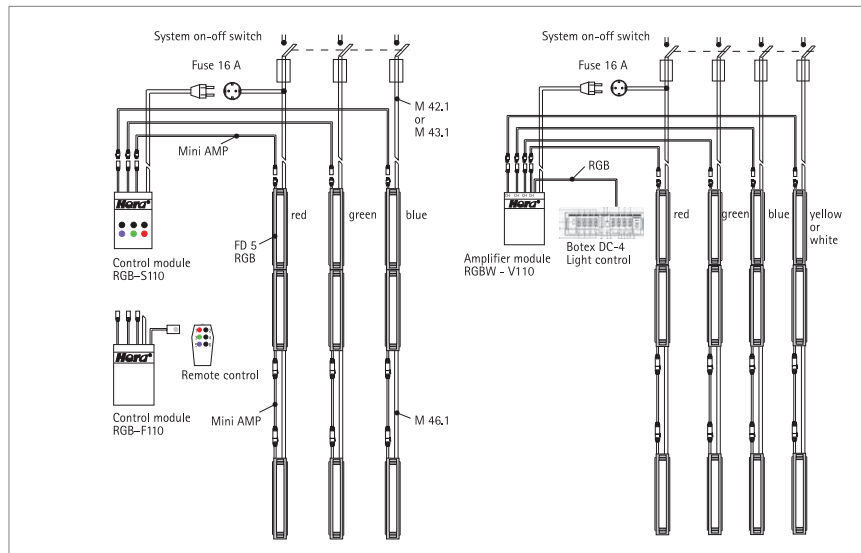
NEW

RGB Light Control System



Colour Change System with Fluorescent Luminaires

- Application:** RGB light control for shops and exhibitions, counter tops and room elements
- Connection:** 220 – 240V / 50 – 60Hz
- Lamp:** extra long-life T8 (ø 26mm) fluorescent lamp, ø life 20,000 hours
- Special features:**
- colour mix by means of dimmable fluorescent lamps with RGB electronic ballast for up to 90 luminaires (30 per colour), or 120 luminaires with luxury control
 - gently-fading colour flows can be programmed (4 secs. to 2.5 mins. per sequence)
 - for an evenly diffused illumination the space between luminaires should be approx. 180mm, between the mounting surface of the luminaires and the Plexiglas® cover approx. 300mm (when using Plexiglas® with a translucence of 24% such as the Röhm Company's Type 072 G5)
 - range of the IR remote control approx. 15 metres
 - control cables 1 – 10V with Mini AMP plug-in system polarised
 - luxury control with 42 pre-programmed and one freely-programmable operation (dimming phase, speed, fader time, music feed etc.)
 - dimensions of control module and amplifier: (L x W x H = 200mm x 110mm x 55mm)



RGB Light Control System

LED
Fluorescent



Article No.	Description	Illustration	Features	Approx. weight		
506 171 001 01	RGB – S 110 control module		• mains cable 2m with Euro plug	560 g		
506 171 002 01	RGB – F 110 control module with IR remote control			90 + 560 g		
506 172 001 01	RGB –V 110 Amplifier module for luxury control			1250 g		
506 173 001 01	Botex luxury control		• 4 channels (+ white luminaires) • please order lamp separately • incl. electronic ballast • dimmable for RGB control	1280 g		
501 070 902 12	FD 5 620mm 18W RGB			1250 g		
501 070 903 12	FD 5 925mm 30W RGB			1650 g		
501 070 904 12	FD 5 1230mm 36W RGB			2100 g		
501 070 905 12	FD 5 1530mm 58W RGB			2450 g		
201 010 123 36	Fluorescent lamp T8 18W red		• L=590mm T8 (Ø 26mm) • L=895mm T8 (Ø 26mm) • L=1200mm T8 (Ø 26mm) • L=1500mm T8 (Ø 26mm)	90 g		
201 010 123 26	Fluorescent lamp T8 18W green			90 g		
201 010 123 06	Fluorescent lamp T8 18W blue			90 g		
201 010 123 37	Fluorescent lamp T8 30W red			125 g		
201 010 123 47	Fluorescent lamp T8 30W green			125 g		
201 010 123 07	Fluorescent lamp T8 30W blue			125 g		
201 010 123 38	Fluorescent lamp T8 36W red			160 g		
201 010 123 28	Fluorescent lamp T8 36W green			160 g		
201 010 123 08	Fluorescent lamp T8 36W blue			160 g		
201 010 123 39	Fluorescent lamp T8 58W red			200 g		
201 010 123 29	Fluorescent lamp T8 58W green			200 g		
201 010 123 09	Fluorescent lamp T8 58W blue			200 g		
215 032 202 20	Mini AMP connecting cable 0.5m				• further information on page 130	25 g
215 032 202 10	Mini AMP connecting cable 1m					40 g
215 032 202 02	Mini AMP connecting cable 1.8m					65 g
215 100 105 01	M42.1/ 500 mains cable 0.5m		• with ferrules	70 g		
215 100 102 01	M42.1/1000 mains cable 1m			120 g		
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g		
215 100 101 01	M42.1/2000 mains cable 2m		• with shockproof right angle plug D/F/B	220 g		
215 100 104 01	M42.1/3000 mains cable 3m			320 g		
215 100 204 01	M43.1/1000 mains cable 1m			170 g		
215 100 203 01	M43.1/1500 mains cable 1.5m		• mountable	220 g		
215 100 201 01	M43.1/2000 mains cable 2m			270 g		
215 100 202 01	M43.1/3000 mains cable 3m			370 g		
215 100 401 01	M46.1/ 200 connecting cable 0.2m	50 g				
215 100 404 01	M46.1/ 300 connecting cable 0.3m	60 g				
215 100 402 01	M46.1/ 500 connecting cable 0.5m	80 g				
215 100 403 01	M46.1/1000 connecting cable 1m	130 g				
215 100 405 01	M46.1/1500 connecting cable 1.5m	180 g				
215 100 406 01	M46.1/2000 connecting cable 2m	230 g				
215 100 407 01	M46.1/3000 connecting cable 3m	320 g				
502 004 000 04	G 316 M Socket			further information on page 132	25 g	
502 005 000 04	S 316 M Plug				25 g	

Accessories

Hera's comprehensive range of accessories will satisfy any need for additional plug-in systems, switches or lamps. This of course includes the appropriate safety isolating transformers for Hera's halogen or LED luminaires.

SET 60LT

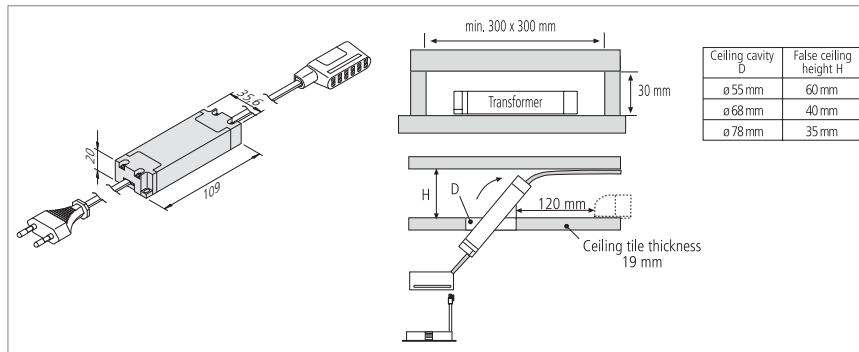


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 60 W

- Connection: 230 – 240V / 50 – 60Hz
- Output: 20 – 60W
- Dimmable with trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- High level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 2m each



Article No.	Description	Features	Approx. weight
615 002 022 11	Transformer SET 60LT 20 – 60W	• Mains cable 2m with Euro plug • Mini AMP 6-way distributor	215 g

MBL/F 60

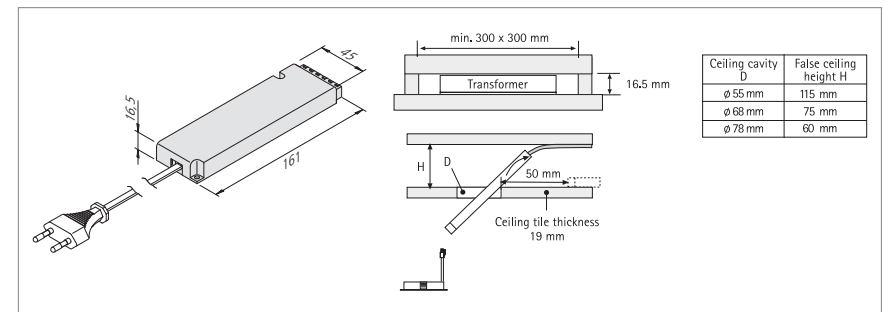


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Flat, Electronic Safety Isolating Transformer up to 60 W

- Minimal height of only 16.5mm
- Connection: 230 – 240V / 50 – 60Hz
- Output: 10 – 60W
- Dimmable with leading-edge and trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- High level of protection against interfering pulses from the mains supply
- Integrated 6-way Mini AMP distributor
- Max. length of secondary cables: 2m each

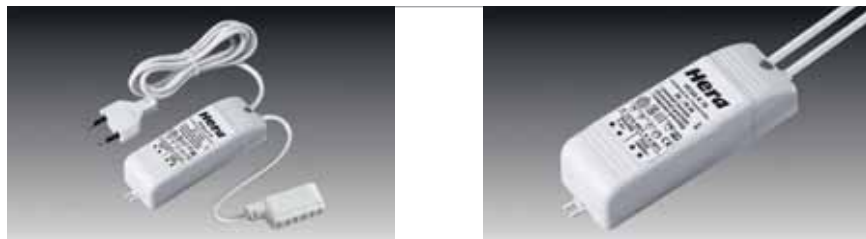


Article No.	Description	Features	Approx. weight
615 002 016 08	Transformer MBL/F 60 10 – 60W AE	• Mains cable 1.8m with ferrules • Mini AMP 6-way distributor	180 g
615 002 016 01	Transformer MBL/F 60 10 – 60W Euro	• Mains cable 1.8m with Euro plug • Mini AMP 6-way distributor	200 g
615 002 016 07	Transformer MBL/F 60 10 – 60W HVLCs	• Mains cable 2m with HVLCs plug (further information page 131) • Mini AMP 6-way distributor	195 g

Vega K 70

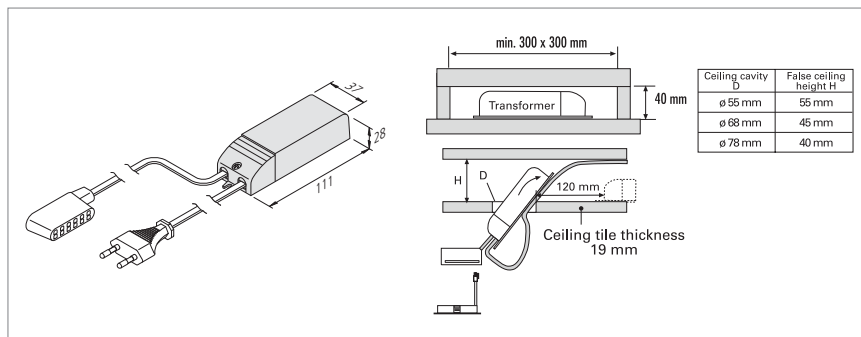


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 70 W

- Connection: 230 – 240V / 50 – 60Hz
- Output: 20 – 70W
- Dimmable with leading-edge and trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- Very high level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 6m each



Article No.	Description	Features	Approx. weight
615 002 015 09	Transformer VEGA K 70 20 – 70W AE	• Mains cable 2m with ferrules • Mini AMP 6-way distributor	180 g
615 002 002 94	Transformer VEGA K 70 20 – 70W Euro	• Mains cable 1.8m with Euro plug • Mini AMP 6-way distributor	200 g
615 002 015 07	Transformer VEGA K 70 20 – 70W HVLCs	• Mains cable 2m with HVLCs plug (further information page 131) • Mini AMP 6-way distributor	190 g

SET 105LT

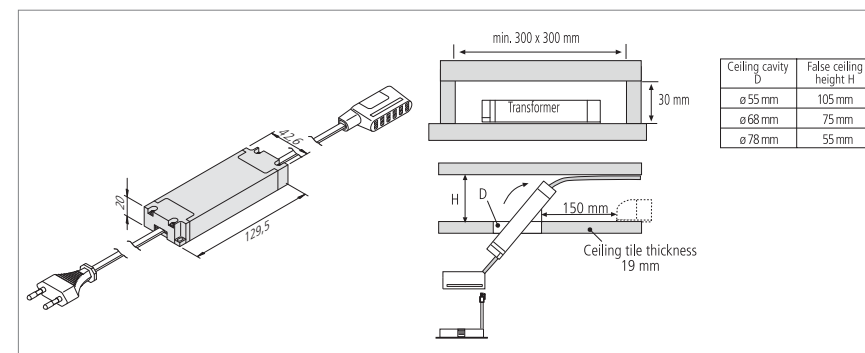


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 105 W

- Connection: 230 – 240V / 50 – 60Hz
- Output: 35 – 105W
- Dimmable with trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- High level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 2m each

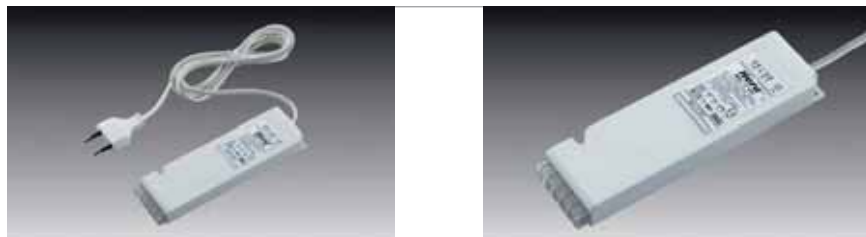


Article No.	Description	Features	Approx. weight
615 002 023 04	Transformer SET 105LT 35 – 105W	• Mains cable 2m with Euro plug • Mini AMP 6-way distributor	230 g

MBL/F 105

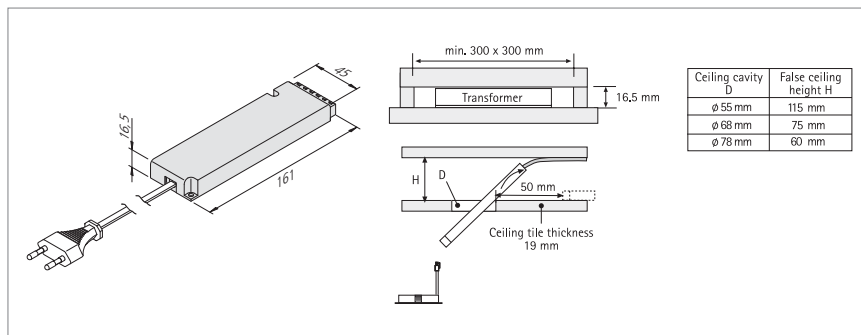


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Flat, Electronic Safety Isolating Transformer up to 105 W

- Minimal height of only 16.5mm
- Connection: 230 – 240V / 50 – 60Hz
- Output: 35 – 105W
- Dimmable with leading-edge and trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- High level of protection against interfering pulses from the mains supply
- Integrated 6-way Mini AMP distributor
- Max. length of secondary cables: 2m each



Article No.	Description	Features	Approx. weight
615 002 019 04	Transformer MBL/F 105 35 – 105W AE	• Mains cable 1.8m with ferrules • Mini AMP 6-way distributor	195 g
615 002 019 01	Transformer MBL/F 105 35 – 105W Euro	• Mains cable 1.8m with Euro plug • Mini AMP 6-way distributor	215 g
615 002 019 03	Transformer MBL/F 105 35 – 105W HV LCS	• Mains cable 2m with HV LCS plug (further information page 131) • Mini AMP 6-way distributor	205 g

Puma 105

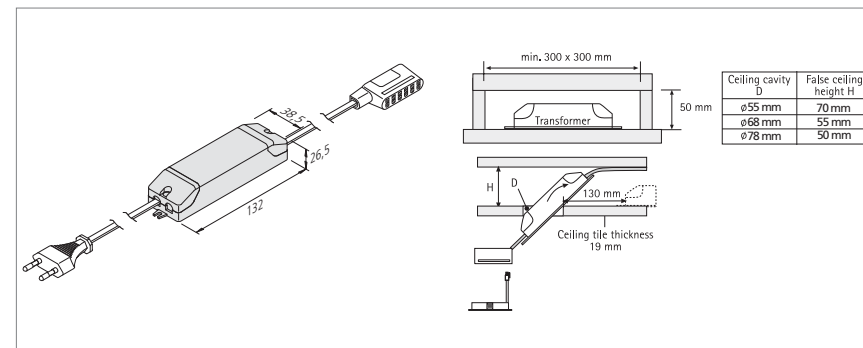


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 105 W

- Connection: 230 – 240V / 50 – 60Hz
- Output: 20 – 105W
- Dimmable with leading-edge and trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- Very high level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 7m each

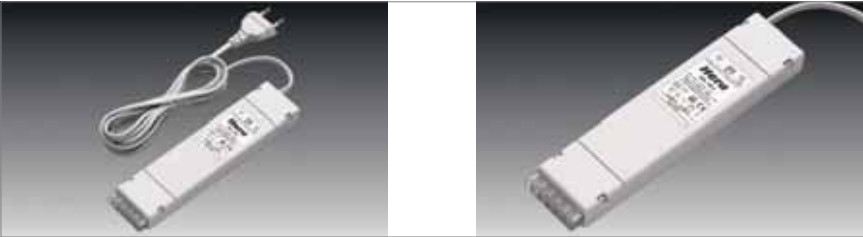


Article No.	Description	Features	Approx. weight
615 002 010 19	Transformer Puma 105 20 – 105W AE	• Mains cable 2m with ferrules • Mini AMP 6-way distributor	190 g
615 002 010 15	Transformer Puma 105 20 – 105W Euro	• Mains cable 1.8m with Euro plug • Mini AMP 6-way distributor	210 g
615 002 010 18	Transformer Puma 105 20 – 105W HV LCS	• Mains cable 2m with HV LCS plug (further information page 131) • Mini AMP 6-way distributor	200 g

MBL 120

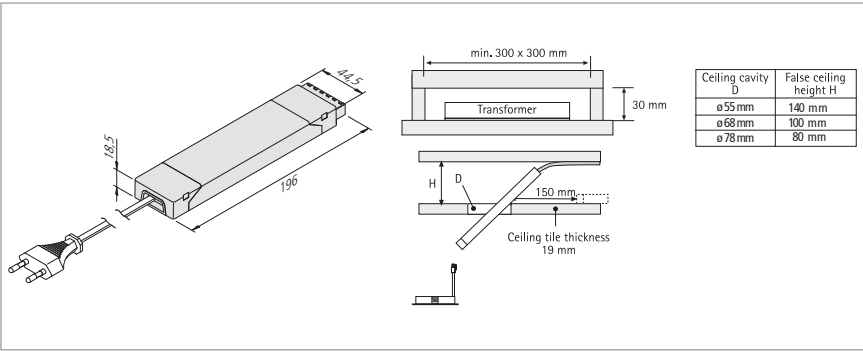


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 120 W

- Only 19mm in height
- Connection: 230V / 50 – 60Hz
- Output: 20 – 120W
- Dimmable with trailing edge phased dimmer
- Protected against short-circuit, overload and no-load
- High level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 2m each

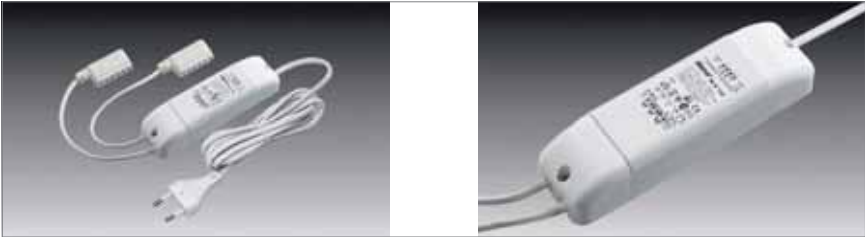


Article No.	Description	Features	Approx. weight
615 002 007 04	Transformer MBL 120 20 – 120W	• Mains cable 1.8m with Euro plug • Mini AMP 6-way distributor	220 g

WX 150

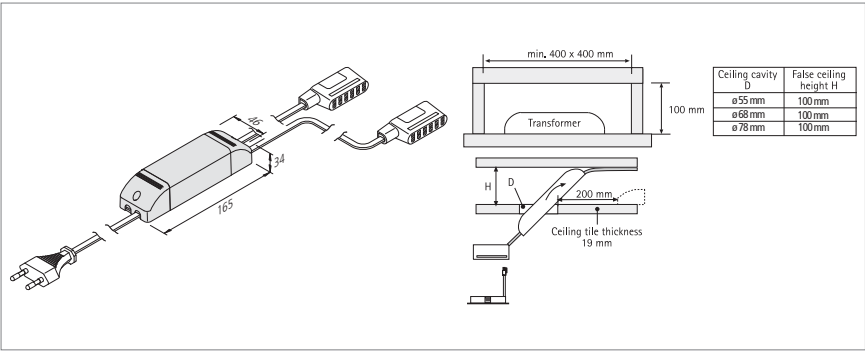


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer up to 150 W

- Connection: 230V / 50 – 60Hz
- Output: 30 – 150W
- Dimmable with leading-edge and trailing-edge phase dimmer
- Protected against short-circuit, overload and no-load
- Very high level of protection against interfering pulses from the mains supply
- Max. length of secondary cables: 2m each



Article No.	Description	Features	Approx. weight
615 002 021 01	Transformer WX 150 30 – 150W	• Mains cable 1.8m with Euro plug • 2x Mini AMP 6-way distributor	300 g

LED 350/9W

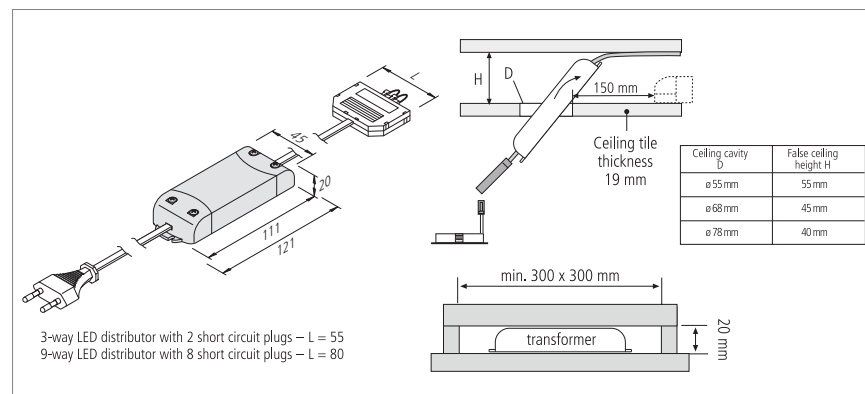


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer for 1 W power LED

- Connection: 220 – 240V / 0 – 50/60Hz
- Output: 1 – 9W
- Constant 350mA / max. 35V DC
- Protected against short-circuit, overload and no-load
- Max. length of secondary cables: 4m each



Article No.	Description	Features	Approx. weight
615 003 009 01	Transformer LED 350/9W 3-way distributor + 2 short circuit plugs AE	• Mains cable 2m with ferrules	155 g
615 003 009 02	Transformer LED 350/9W 9-way distributor + 8 short circuit plugs AE		170 g
615 003 009 03	Transformer LED 350/9W 3-way distributor + 2 short circuit plugs Euro	• Mains cable 2m with Euro plug	175 g
615 003 009 04	Transformer LED 350/9W 9-way distributor + 8 short circuit plugs Euro		190 g
615 003 009 05	Transformer LED 350/9W 3-way distributor + 2 short circuit plugs HVLCs	• Mains cable 2m with HVLCs plug (further information page 131)	165 g

LED 350/2x9W

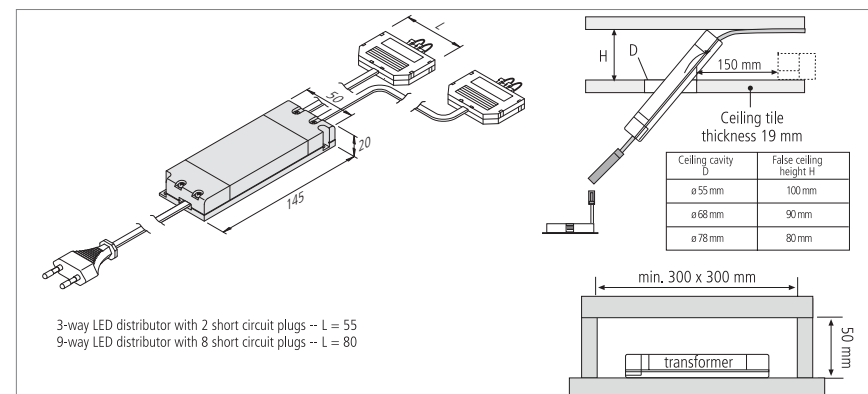


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic Safety Isolating Transformer for 1 W power LED

- Connection: 220 – 240V / 0 – 50/60Hz
- Output: 2 x 1 – 9W
- Constant 350mA / max. 35V DC
- Protected against short-circuit, overload and no-load
- Max. length of secondary cables: 4m each

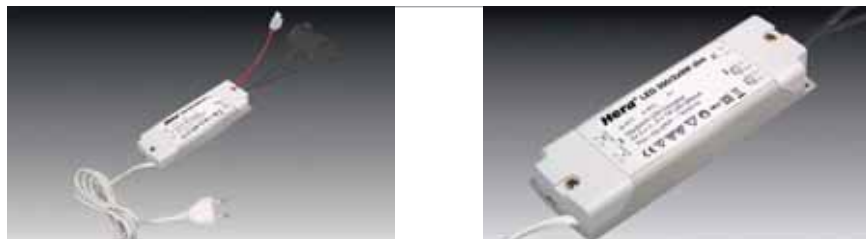


Article No.	Description	Features	Approx. weight
615 003 009 21	Transformer LED 350/2x9W 2x3-way distributor + 2 short circuit plugs AE	• Mains cable 2m with ferrules	200 g
615 003 009 22	Transformer LED 350/2x9W 2x9-way distributor + 8 short circuit plugs AE		230 g
615 003 009 23	Transformer LED 350/2x9W 2x3-way distributor + 2 short circuit plugs Euro	• Mains cable 2m with Euro plug	220 g
615 003 009 24	Transformer LED 350/2x9W 2x9-way distributor + 8 short circuit plugs Euro		250 g
615 003 009 25	Transformer LED 350/2x9W 2x3-way distributor + 2 short circuit plugs HVLCs	• Mains cable 2m with HVLCs plug (further information page 131)	210 g

LED 350/2x9W dim

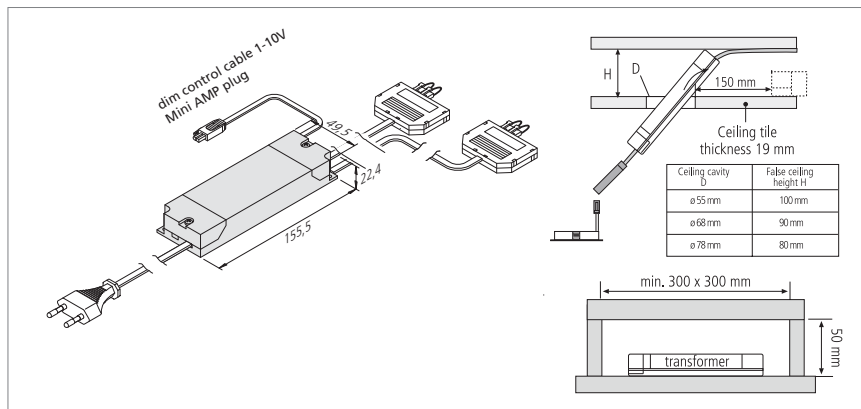


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Dimmable safety isolating transformer for 1W power LED

- Connection: 220 – 240V / 50 – 60Hz
- Output: 2 x 1 – 9W
- constant 350mA / max. 35V DC
- protected against short-circuit , overload and no-load
- max. length of secondary cables: 4m each
- dimmable with 1-10V or potentiometer



Article No.	Description	Features	Approx. weight
615 003 009 28	Transformer LED 350/2x9W dim 2 x 3-way distributor + 2 short circuit plugs (1-10V)	• mains cable 2m with Euro plug • dim control cable 0.2m with Mini AMP plug	280 g
615 003 009 29	Transformer LED 350/2x9W dim 2 x 9-way distributor + 8 short circuit plugs (1-10V)		310 g
506 180 401 01	Mounting dimmer switch (1-10V)	• dim control cable 2m with Mini AMP-socket • further dimmer switch on page 138	95 g

LED 24/15W

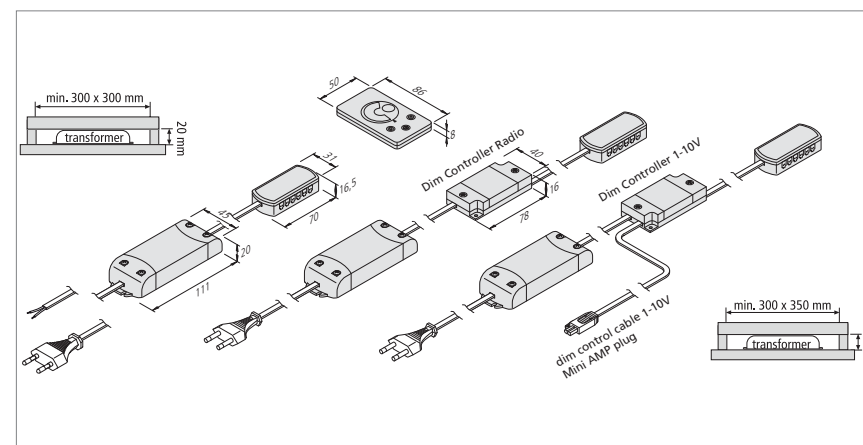


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic safety isolating transformer for 24V DC LED to 15W

- Connection: 220 – 240V / 0 – 50/60Hz
- Output: 1 – 15W
- constant 24V DC
- protected against short-circuit , overload and no-load
- max. length of secondary cables: 5m each
- radio telecontrol to dim and switch (reach ca. 15m) with wall mounting
- with Memory-Function (after cut off from mains the last dimming status is recovered)



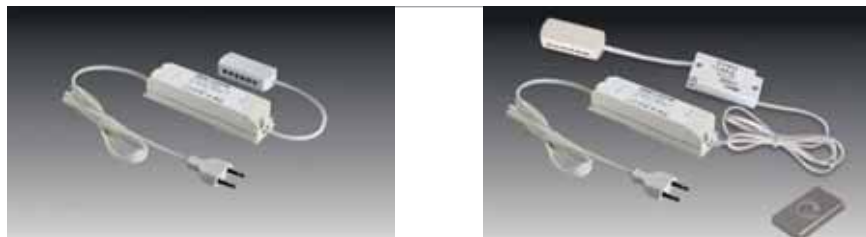
Article No.	Description	Features	Approx. weight
615 003 007 05	Transformer LED 24/15W DC 24V 12-way distributor AE	• Mains cable 2m with ferrules	147 g
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor Euro	• Mains cable 2m with Euro plug	167 g
615 003 007 06	Transformer LED 24/15W DC 24V 12-way distributor HVLCs	• Mains cable 2m with HVLCs plug (further information page 131)	157 g
615 003 007 09	Transformer LED 24/15W DC 24V 12-way distributor Euro dimmable (radio controller)	• Mains cable 2m with Euro plug • incl. radio telecontrol to dim and switch	240 g
615 003 007 02	Transformer LED 24/15W DC 24V 12-way distributor Euro dimmable (1-10V)	• Mains cable 2m with Euro plug • dim control cable 0,3m with Mini AMP-plug	200 g
506 180 401 01	Mounting dimmer switch (1-10V)	• dim control cable 2m with Mini AMP-socket • further dimmer switch on page 138	95 g

NEW

LED 24/30W

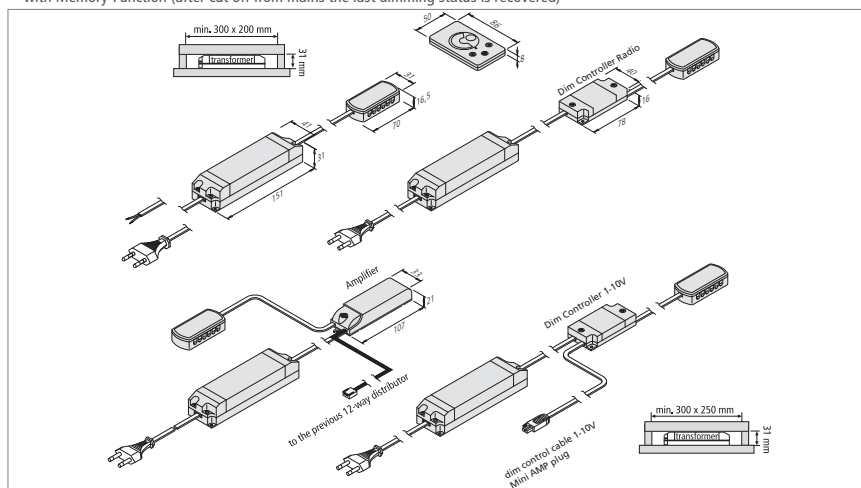


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic safety isolating transformer for 24V DC LED to 30W

- Connection: 220 – 240V / 0 – 50/60Hz
- Output: 1 – 30W
- constant 24V DC
- protected against short-circuit , overload and no-load
- max. length of secondary cables: 5m each
- radio telecontrol to dim and switch (reach ca. 15m) with wall mounting
- up to 10 radio controllers can be activated simultaneously using a remote control
- with Memory-Function (after cut off from mains the last dimming status is recovered)



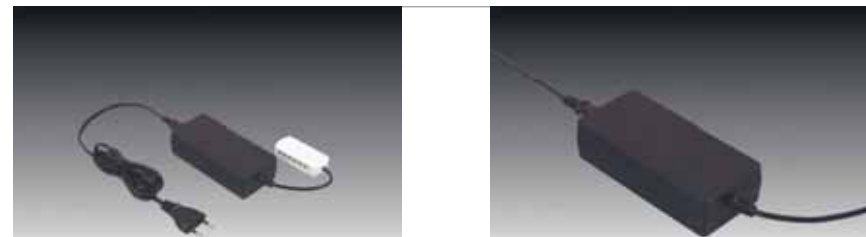
Article No.	Description	Features	Approx. weight
615 003 008 03	Transformer LED 24/30W DC 24V with 12-way distributor AE	• Mains cable 2m with ferrules	240 g
206 040 012 01	Transformer LED 24/30W DC 24V with 12-way distributor Euro	• Mains cable 2m with Euro plug	250 g
615 003 008 06	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (radio controller)	• Mains cable 2m with Euro plug • incl. radio telecontrol to dim and switch	325 g
206 040 012 05	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (radio controller)	• Mains cable 2m with Euro plug • without radio telecontrol as extension	275 g
615 003 008 05	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (radio controller) + amplifier	• Mains cable 2m with Euro plug • incl. connecting cable 2,5m to the previous 12-way distributor	405 g
615 003 008 02	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (1-10V)	• Mains cable 2m with Euro plug • dim control cable 0,3m with Mini AMP-plug	285 g
506 180 401 01	Mounting dimmer switch (1-10V)	• dim control cable 2m with Mini AMP-socket • further dimmer switch on page 138	95 g

NEW

LED 24/60W

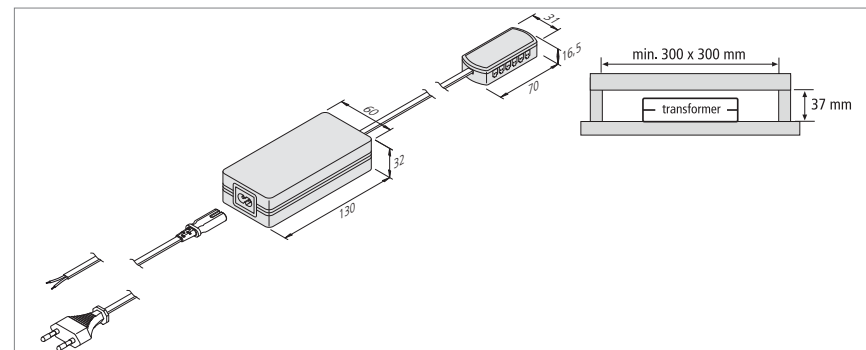


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Electronic safety isolating transformer for 24V DC LED to 60W

- Connection: 100 – 240V / 50 – 60Hz
- Output: 10 – 60W
- constant 24V DC
- protected against short-circuit , overload and no-load
- max. length of secondary cables: 5m each

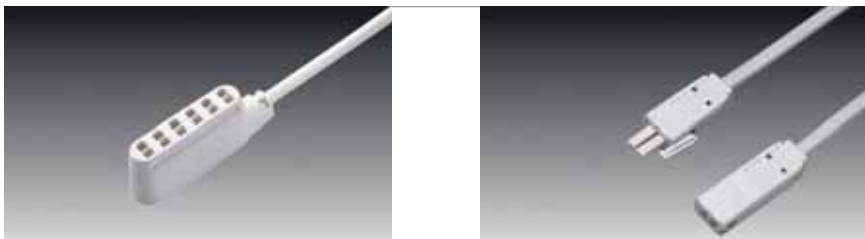


Article No.	Description	Features	Approx. weight
615 003 006 04	Transformer LED 24/60W DC 24V with 12-way distributor AE	• Mains cable 1,8m with ferrules	335 g
615 003 006 02	Transformer LED 24/60W DC 24V with 12-way distributor Euro	• Mains cable 1,8m with Euro plug	355 g

Mini AMP

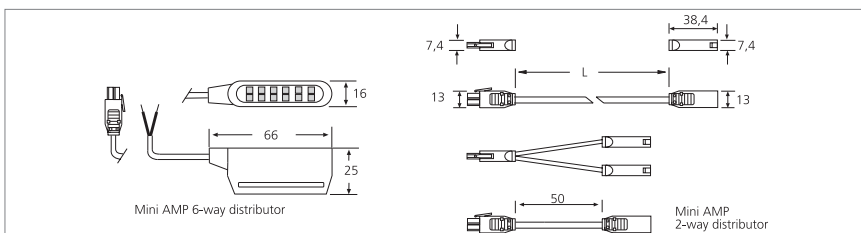


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



2-Pole Plug-In System for 12V Halogen Luminaires

- Mini AMP distributor capable of bearing loads up to 120W
- Connection: 12V
- Current carrying capacity: max. 7A
- Snap-in lock
- Cable 2 x 0.75mm²

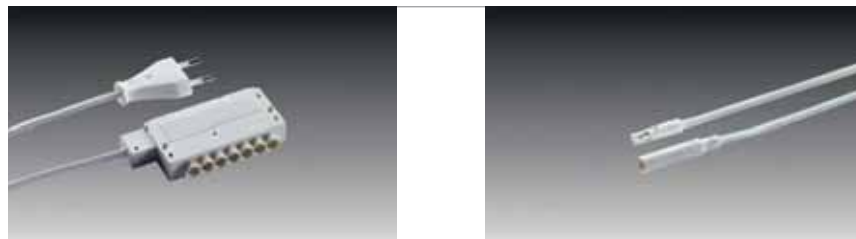


Article No.	Description	Illustration	Features	Approx. weight
215 032 202 60	Mini AMP connecting cable 0,15m			10 g
215 032 202 70	Mini AMP connecting cable 0,3m			15 g
215 032 202 80	Mini AMP connecting cable 0,6m			25 g
215 032 202 90	Mini AMP connecting cable 1,2m			45 g
215 032 202 02	Mini AMP connecting cable 1,8m			65 g
215 032 205 01	Mini AMP connecting cable 1m		• with ferrules • for dimmable luminaires	35 g
215 032 203 03	Mini AMP adaptor cable 0.1m with socket NV10		• for luminaires with NV10 plug	15 g
215 030 803 03	Mini AMP adaptor cable 0.1m with plug NV10		• for transformers with NV10 distributor	15 g
216 020 300 06	Mini AMP 2-way distributor		• Y-distributor with one plug and 2 sockets	5 g
215 080 604 01	Mini AMP 6-way distributor		• cable 250mm with ferrules	25 g
215 080 604 02	Mini AMP 6-way distributor		• cable 250mm with Mini AMP plug	30 g

HVL CS

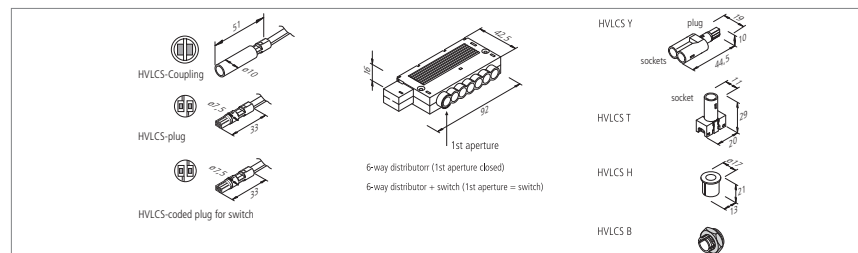


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



2-Pole Plug-In System for 230V Luminaires

- Miniature high-voltage plug-in system
- Plug only 7.5mm in diameter (fits through 8mm cavity)
- Connection: max. 250V, load-carrying capacity 2,5A max.
- Cable 2 x 0.75mm²



Article No.	Description	Illustration	Features	Approx. weight
215 440 220 02	HVLCS 42/2000 mains cable 2m		• with ferrules	70 g
215 441 120 11	HVLCS V/2000 mains cable 2m + 6-way distributor			100 g
215 441 220 11	HVLCS VS/2000 mains cable 2m + 6-way + coded socket			100 g
215 440 320 01	HVLCS 43/2000 mains cable 2m		• with shockproof right angle plug D/F/B	90 g
215 441 120 01	HVLCS V/2000 mains cable 2m + 6-way distributor			120 g
215 441 220 01	HVLCS VS/2000 mains cable 2m + 6-way + coded socket			120 g
215 440 601 01	HVLCS 46/ 150 connecting cable 0,15m			20 g
215 440 605 01	HVLCS 46/ 500 connecting cable 0,5m			30 g
215 440 610 01	HVLCS 46/1000 connecting cable 1m			45 g
215 440 615 01	HVLCS 46/1500 connecting cable 1,5m			60 g
215 440 620 01	HVLCS 46/2000 connecting cable 2m			75 g
215 440 220 01	HVLCS S/2000 switch connection cable 2m with coded plug		• with ferrules	70 g
215 441 300 01	HVLCS Y-distributor with one plug and 2 sockets			4 g
215 441 400 01	HVLCS T-adaptor with one socket		• can be snapped on to any part of the cable	3 g
215 441 500 01	HVLCS H wood flush-type socket		• for wood from 10mm with 13mm cut-out	1 g
215 441 501 11	HVLCS B metal flush-type socket with nut M13x1		• for metal 0-18mm with 13mm cut-out	4 g
215 440 702 01	HVLCS 47/ 200 adapter cable with Euro coupling and HVLCS plug 0,2 m			20 g

SD / GD 316

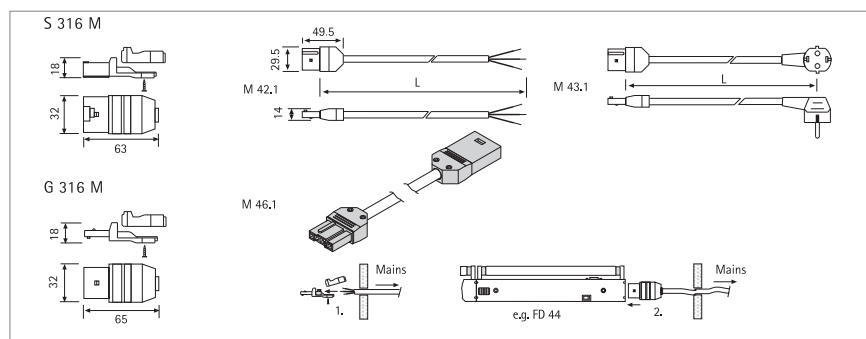


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



3-Pole Plug-In System for 230V Luminaires

- Connection: max. 250V
- Current carrying capacity max. 16A
- Cables 3 x 1.5mm²

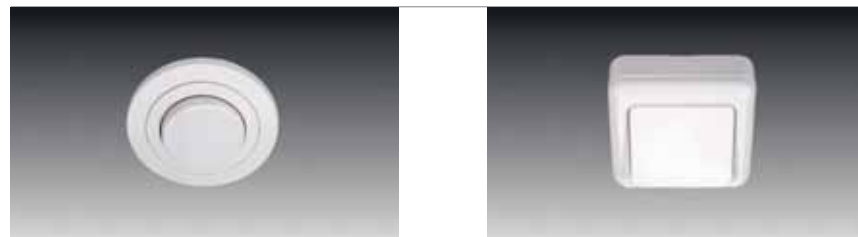


Article No.	Description	Illustration	Features	Approx. weight
215 100 105 01	M42.1/ 500 mains cable 0.5m		• with ferrules	70 g
215 100 102 01	M42.1/1000 mains cable 1m			120 g
215 100 103 01	M42.1/1500 mains cable 1.5m			170 g
215 100 101 01	M42.1/2000 mains cable 2m			220 g
215 100 104 01	M42.1/3000 mains cable 3m			320 g
215 100 204 01	M43.1/1000 mains cable 1m		• with shockproof right angle plug D/F/B	170 g
215 100 203 01	M43.1/1500 mains cable 1.5m			220 g
215 100 201 01	M43.1/2000 mains cable 2m			270 g
215 100 202 01	M43.1/3000 mains cable 3m			370 g
215 100 401 01	M46.1/ 200 connecting cable 0.2m			50 g
215 100 404 01	M46.1/ 300 connecting cable 0.3m			60 g
215 100 402 01	M46.1/ 500 connecting cable 0.5m			80 g
215 100 403 01	M46.1/1000 connecting cable 1m			130 g
215 100 405 01	M46.1/1500 connecting cable 1.5m			180 g
215 100 406 01	M46.1/2000 connecting cable 2m			230 g
215 100 407 01	M46.1/3000 connecting cable 3m			320 g
502 004 000 04	G 316 M Socket		• mountable	25 g
502 005 000 04	S 316 M Plug			25 g

SEH / SAH / SAQ

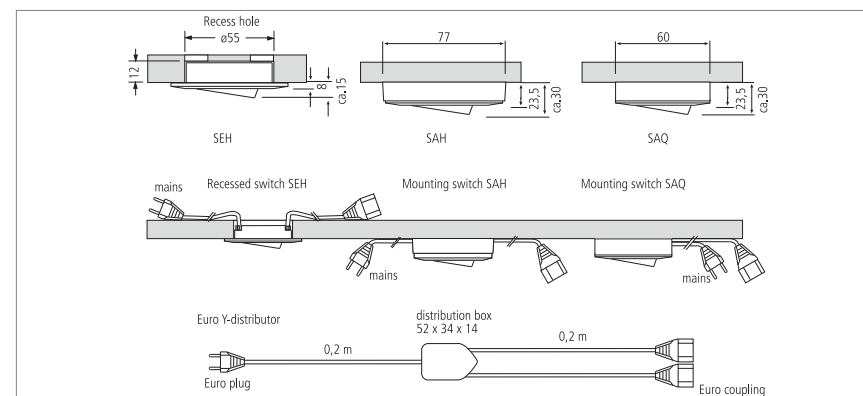


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



Rocker Switch with Euro Coupling

- Connection: 250V
- Current carrying capacity max. 2,5A
- Variants Recessed or Mounting Switch



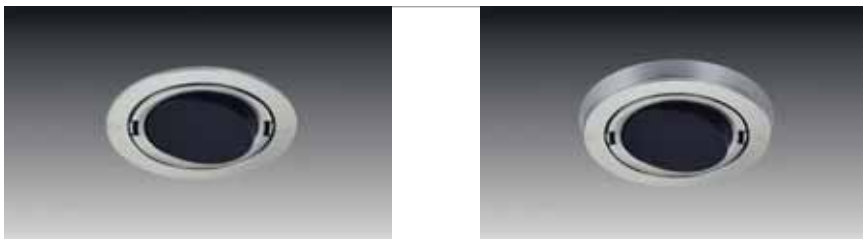
Article No.	Description	Illustration	Approx. weight
515 000 601 02	Recessed switch SEH round	• 2m Euro plug / 2m Euro coupling • white	250 g
515 000 610 02	Mounting switch SAH round		260 g
217 031 810 05	Mounting switch SAQ square		260 g
215 031 601 01	Euro Y-distributor with one plug and 2 sockets	• 200mm+Euro plug / 2x200mm+Euro coupling	100 g
215 042 401 01	Euro connecting cable 3m	• Euro plug / Euro coupling	150 g

NEW

ARF Switch

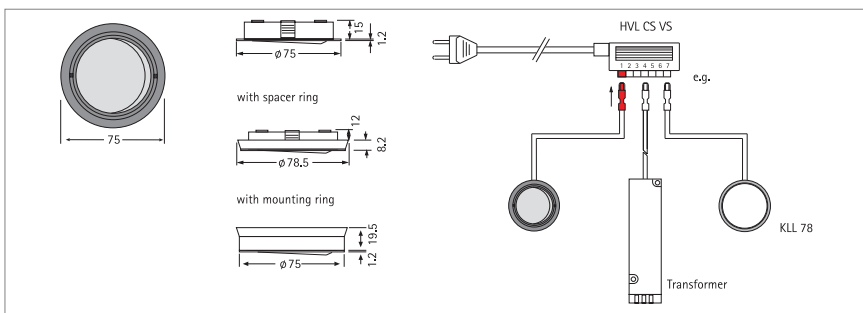
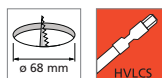


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps



Rocker Switch in ARF Design

- Connection: 250V
- Current carrying capacity 2.5A
- Available in chrome, matt chrome and stainless steel
- Includes 2m cable and coded HVLCs plug
- Includes 2m mains cable with 6-way coupling

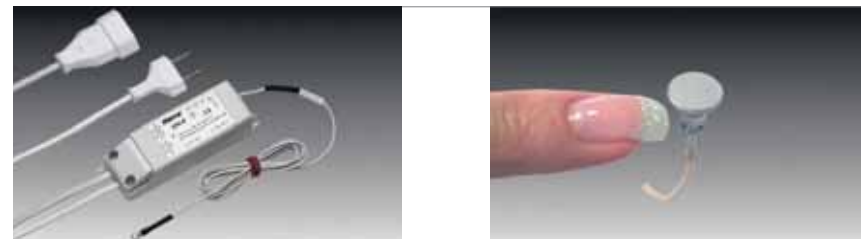


Article No.	Description	Illustration	Features	Approx. weight
515 000 511 04	Rocker switch ARF chrome		• 2m cable and coded HVLCs plug • incl. mains cable 2m with 6-way coupling	100 g
515 000 511 06	Rocker switch ARF matt chrome			100 g
515 000 511 08	Rocker switch ARF stainless steel			100 g
205 020 108 02	Spacer ring (K105) chrome		• reduces the installation depth to 12mm	4 g
205 020 108 12	Spacer ring (K105) matt chrome			4 g
205 020 108 08	Spacer ring (K105) stainless steel			4 g
515 000 370 04	Mounting ring (K106) chrome		• incl. screws	14 g
515 000 370 06	Mounting ring (K106) matt chrome			14 g
515 000 370 08	Mounting ring (K106) stainless steel			14 g
615 002 015 07	Transformer Vega K 70 with 2m HVLCs plug		• 20 – 70W (further information on page 118)	190 g
615 002 016 07	Transformer MBL/F 60 with 2m HVLCs plug		• 10 – 60W (further information on page 117)	195 g
615 002 010 18	Transformer Puma 105 with 2m HVLCs plug		• 20 – 105W (further information on page 121)	200 g
615 002 019 03	Transformer MBL/F 105 with 2m HVLCs plug		• 35 – 105W (further information on page 120)	205 g
215 440 702 01	HVLCs adapter cable with Euro coupling and HVLCs plug 0,2 m			20 g

EBS 4

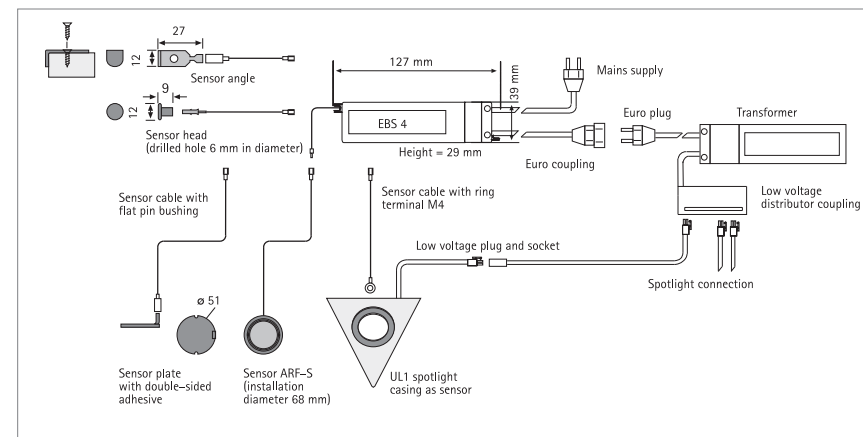


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps



Touch Switch with Different Sensor Areas

- A slight touch on the sensor area activates switch
- Connection: 230 – 240V / 50 – 60Hz
- Output: max. 400W
- The EBS is connected on the primary side between the consumer and the mains cable; the sensor cable is connected to the sensor area; please ensure that the sensor area is insulated against conductive parts

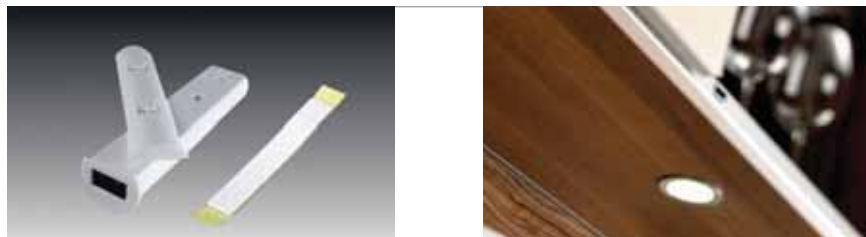


Article No.	Description	Illustration	Features	Approx. weight
506 110 303 11	EBS-4 D with sensor cable 2m and ring terminal M4		• 1m ferrules / 1m ferrules	150 g
506 110 301 01	EBS-4 D with sensor cable 2m and ring terminal M4		• 1m Euro plug / 0.3m Euro coupling	150 g
506 110 301 02	EBS-4 D without sensor cable			125 g
214 021 001 31	Ring terminal M4 for UL1, UL3, Flex LED with arm		• incl. sensor cable 2m	25 g
214 021 001 26	Ring terminal M8 for Flex LED without arm			25 g
515 000 410 26	Sensor head 12mm matt chrome			30 g
515 000 410 38	Sensor angle 12mm stainless steel			30 g
506 111 100 08	Sensor plate 51mm stainless steel			45 g
506 110 700 14	Sensor area ARF chrome			60 g
506 110 700 17	Sensor area ARF matt chrome			60 g
506 110 700 16	Sensor area ARF stainless steel			60 g

IR Switch 24V

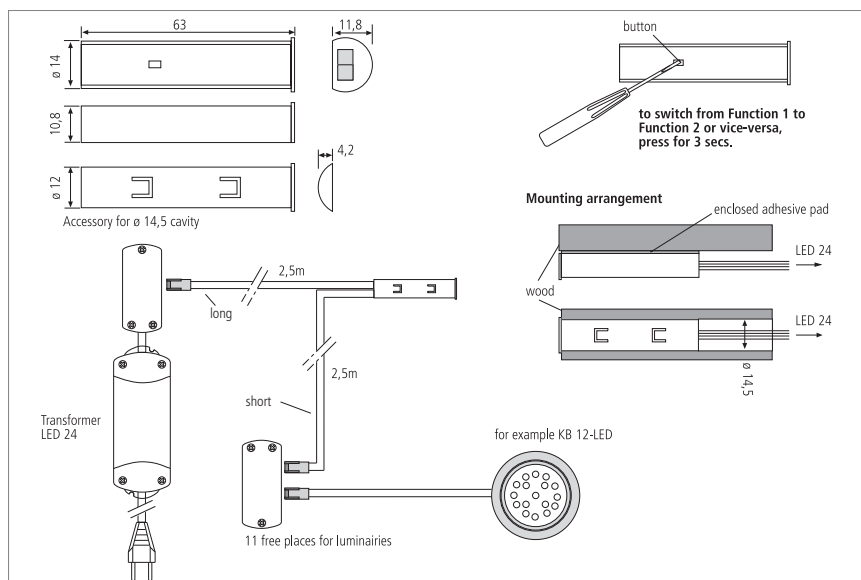


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps



Motion-Activated Switch for 24V LED

- the switch is triggered by a person approaching and/or door motion
- Function 1 (as supplied): The first time the switch detects motion it turns the light on, and the second time it turns it off again
- Function 2 (press button for 3-secs., see diagram): Opening the door automatically switches the light on – and closing the door switches it off again
- Connection: LED transformer DC 24V
- to operate LED luminaires 24V
- for 14.5mm cavities or to stick on using enclosed adhesive pad
- there must be a distance of about 50 mm (depending on the reflection surface) between the closed door and the IR-sensor



Article No.	Description	Features	Approx. weight
217 032 201 01	IR Switch 24V max. 30W	- supply cable 2,5m with LED 24 plug - sensor cable 2,5m with 11-way distributor LED 24	75 g

IR-S / IR-DS

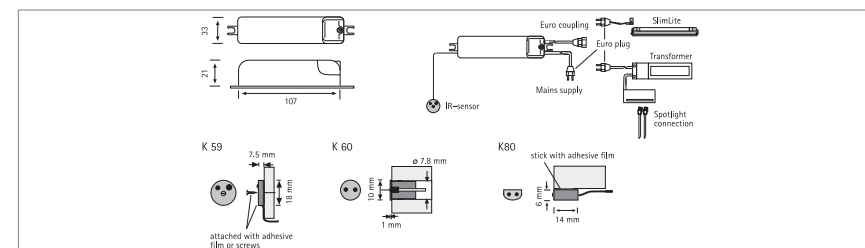


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps



Motion-Activated Switch

- Motion operates switch or motion of door operates switch
 - IR-DS: Opening the door switches the light on and closing the door switches it off again
 - IR-S: The first time the switch senses motion it turns the light on, and the second time it turns it off again
- IR-DS: Automatically switches off after 30 minutes
- IR-S with Memory-Function (after cut off from mains the last switching status is recovered)
- For switch operation of transformers or SlimLite® (a maximum of 3)
- Connection: 230 – 240V / 50Hz; Output: 550W
- Option of two sensors (alternate switching)
- Clearance between sensor and the inside of the door can be up to 50mm (depending on surface finish)



Article No.	Description	Features	Approx. weight
506 120 601 01	IR-S with sensor K 59 Euro	- motion-activated switch operation 2m Euro plug / 0.3m Euro coupling / sensor 1.4m	180 g
506 120 602 06	IR-S with sensor K 60 Euro		180 g
506 120 603 02	IR-S with sensor K 80 Euro		180 g
506 120 701 01	IR-S2 with 2 sensors K 59 Euro		200 g
506 120 702 01	IR-S2 with 2 sensors K 60 Euro		200 g
506 120 703 01	IR-S2 with 2 sensors K 80 Euro	- motion-activated switch operation 2m ferrules / 0.3m ferrules / sensor 1.4m	200 g
506 120 601 05	IR-S with sensor K 59 AE		140 g
506 120 602 03	IR-S with sensor K 60 AE		140 g
506 120 603 03	IR-S with sensor K 80 AE		140 g
506 120 801 01	IR-DS with sensor K 59 Euro	- switch activated by opening the door 3m Euro plug / 0.3m Euro coupling / sensor 1.4m	210 g
506 120 802 15	IR-DS with sensor K 60 Euro		210 g
506 120 803 04	IR-DS with sensor K 80 Euro		210 g
506 120 901 01	IR-DS2 with 2 sensors K 59 Euro		230 g
506 120 902 01	IR-DS2 with 2 sensors K 60 Euro		230 g
506 120 903 01	IR-DS2 with 2 sensors K 80 Euro	- switch activated by opening the door 3m ferrules / 0.3m ferrules / sensor 1.4m	230 g
506 120 801 02	IR-DS with sensor K 59 AE		170 g
506 120 802 13	IR-DS with sensor K 60 AE		170 g
506 120 803 08	IR-DS with sensor K 80 AE		170 g

Dimmer 1-10V

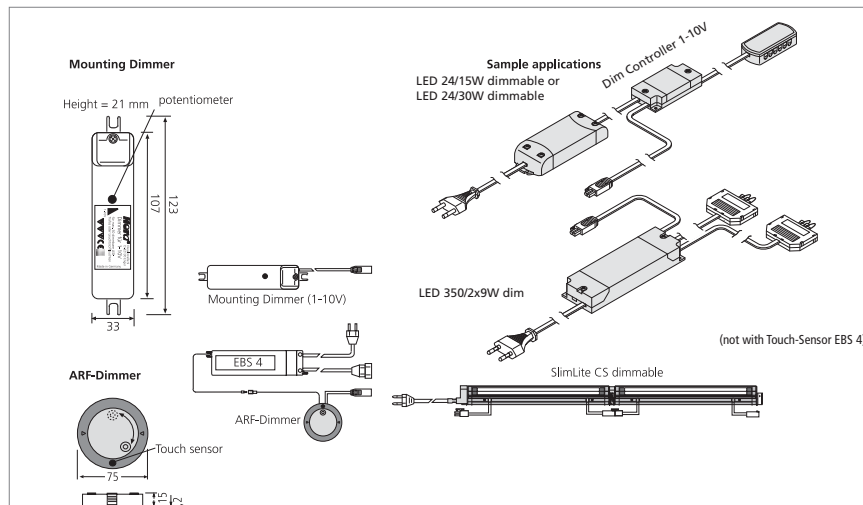
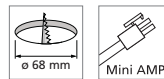


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps



Dimmer Switch 1-10 V

- Connection: 1-10V to connect max. 50 dimmable linear luminaires or 50 dimmable LED transformers
- Use the Mini AMP distributor (see page 128) when you connect several transformers on a dimmer
- Dim range:
 - 0 – 100 % (LED 24V)
 - 1 – 100 % (FD 5, FD 7 und FD 8)
 - 10 – 100 % (LED 350mA and linear luminaires)



Article No.	Description	Features	Approx. weight
506 180 401 01	Mounting dimmer switch (1-10V)	• dim control cable 2m with Mini AMP-socket	95 g
506 180 501 06	ARF-Dimmer (1-10V) matt chrome	• dim control cable 2m with Mini AMP-socket	145 g
506 180 501 08	ARF-Dimmer (1-10V) stainless steel	• incl. sensor cable 2m to connect to EBS switch	145 g
506 110 301 02	EBS-4 D without sensor cable	• 1m Euro plug / 0.3m Euro coupling • optional, for use with the ARF dimmer switching function (not for use with SlimLite CS) • further information on page 135	125 g
205 020 108 12	Spacer ring (K105) matt chrome	• reduces the recess depth to 12mm	4 g
205 020 108 08	Spacer ring (K105) stainless steel		4 g
515 000 370 06	Mounting ring (K106) matt chrome	• incl. fastening screws	14 g
515 000 370 08	Mounting ring (K106) stainless steel		14 g
216 020 300 06	Mini AMP 2-way distributor	• to connect several transformers to one dimmer	5 g
215 080 604 02	Mini AMP 6-way distributor	• further information on page 130	30 g

Delta

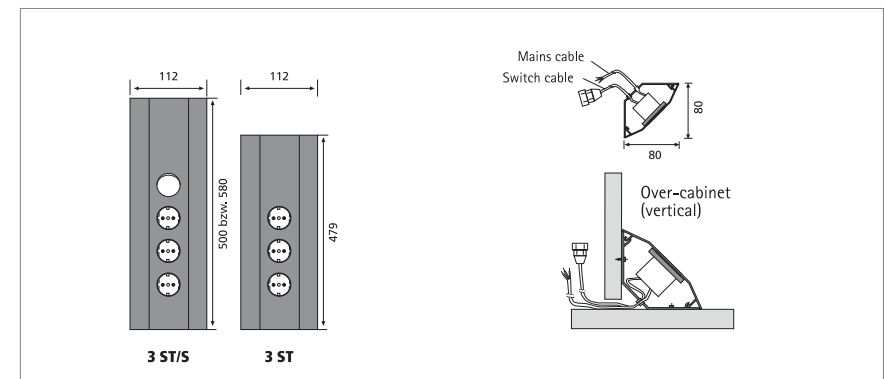


LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Socket
Lamps

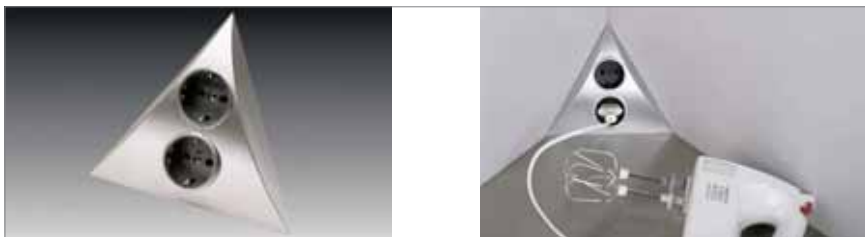


Switch/Socket Combination for Angle Mounting

- High quality switch/socket system in stainless steel
- Connection: 250V
- Switch cable with Euro coupling for max. 2.5A
- The socket outlet supplies power, regardless of switch position
- Country-specific versions available on request

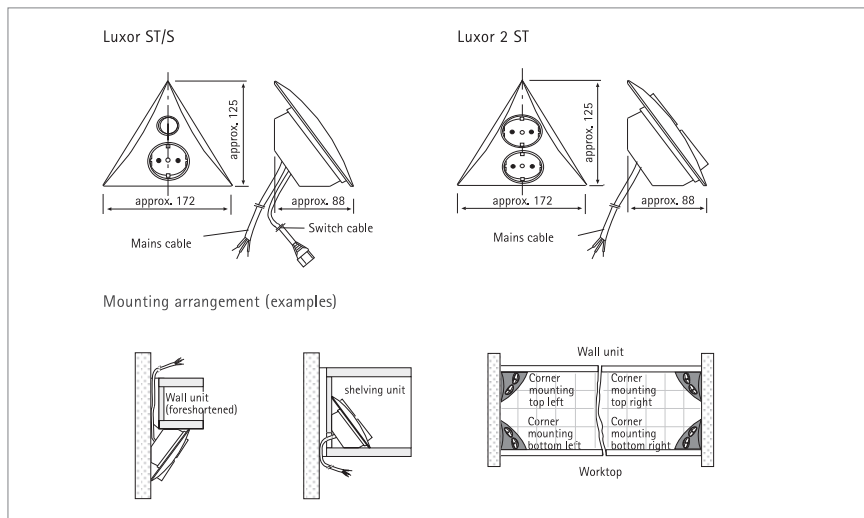


Article No.	Description	Features	Approx. weight
506 604 180 01	Delta 3ST/S D 500mm stainless steel	• Mains cable 2m with shockproof plug D/F/B supplied loose • 2m Euro coupling	1600 g
506 604 180 03	Delta 3ST/S D 580mm stainless steel can be cut to length up to 350mm		1600 g
506 604 380 01	Delta 3ST D 479mm stainless steel can be cut to length up to 270mm	• Mains cable 2m with shockproof plug D/F/B supplied loose	1350 g



Switch/Socket Combination for Corner Mounting

- Superior design
- Can be mounted in any corner of the kitchen, bathroom, living room or bedroom
- Single or double outlet versions
- Switch cable with Euro coupling for max. 2.5A
- Connection: 250V
- The socket outlet supplies power, regardless of switch position
- Country-specific versions available on request

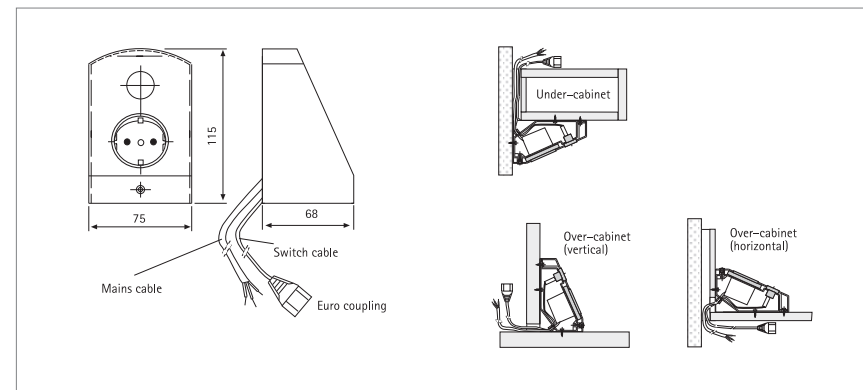


Article No.	Description	Features	Approx. weight
506 602 070 03	Luxor ST/S D matt chrome	• 1.8m mains cable with ferrules / 0.5m Euro coupling	410 g
506 602 010 01	Luxor ST/S D stainless steel	• 1.3m mains cable with ferrules / 0.5m Euro coupling	410 g
506 602 072 01	Luxor ST/S F/B matt chrome	• 1.8m mains cable with ferrules / 1.2m Euro coupling	440 g
506 602 012 01	Luxor ST/S F/B stainless steel	• 1.5m mains cable with ferrules / 0.5m Euro coupling	400 g
506 602 170 01	Luxor 2ST D matt chrome	• 1.8m mains cable with ferrules	390 g
506 602 110 03	Luxor 2ST D stainless steel		390 g
506 602 172 01	Luxor 2ST F/B matt chrome		390 g
506 602 112 01	Luxor 2ST F/B stainless steel		390 g



Switch/Socket Combination for Angle Mounting

- Very attractive design, available in matt chrome and stainless steel
- For angle mounting in bathroom furniture, kitchen cabinets, shelving units and showcases
- Switch cable with Euro coupling for max. 2.5A
- Connection: 250V
- The socket outlet supplies power, regardless of switch position
- Country-specific versions available on request



Article No.	Description	Features	Approx. weight
506 603 070 04	Alpha ST/S D matt chrome	• 2m mains cable with ferrules/ 0.5m Euro coupling	400 g
506 603 010 01	Alpha ST/S D stainless steel		400 g
506 603 072 02	Alpha ST/S F/B matt chrome		400 g
506 603 012 00	Alpha ST/S F/B stainless steel		400 g

Fluorescent

LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps

	RA	Colour rendering of different fluorescents		
	90 – 100			
	70 – 89			
	< 70			

Fluorescent lamps by OSRAM

- High light output to approx. 100lm/W, minimal power loss
- Low energy consumption with very long lamp life
- Low heat generation on the luminaire

The description of a lamp, such as 36W/840, means:

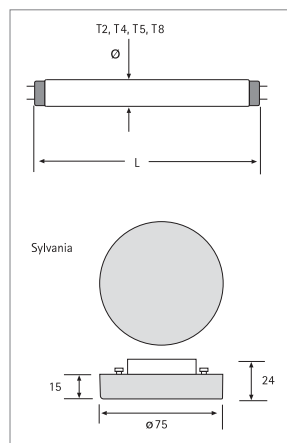
Output 36W, colour rendering Ra: 8, colour temperature:
4000K = colour appearance cw (cool white)

Colour rendering:

9 = colour rendering Ra 90...100
8 = colour rendering Ra 80...89
7 = colour rendering Ra 70...79
6 = colour rendering Ra 60...69

Colour appearance / Colour temperature

27 = interna (2700K)
30 = warm white (3000K)
35 = white (3500K)
40 = cool white (4000K)
65 = daylight (6500K)



Special Light Colours

Special applications, such as meat/bread counters or refrigerated display shelves, call for light colours in which the red component has been harmonised with other colour components. This combination results in extremely natural shades that make foodstuffs look appetisingly fresh. For instance, Nature superb for meat products and cold cuts; interna for cakes and pastries, cheese and fruit.

For further information on colour rendering, colour appearance and colour temperature, please refer to page 151 in the Appendix.

Article No.	Description	Dimensions	Luminous flux max.	Approx. weight
201 010 128 03	Fluorescent lamp T2 FM 11W/730 ww	L = 422mm T2 (ø 7mm)	750lm	13 g
201 010 129 03	Fluorescent lamp T2 FM 11W/740 cw		750lm	13 g
201 010 128 04	Fluorescent lamp T2 FM 13W/730 ww	L = 523mm T2 (ø 7mm)	930lm	20 g
201 010 129 04	Fluorescent lamp T2 FM 13W/740 cw		930lm	20 g
201 010 110 01	Fluorescent lamp T4/F 7W cw	L = 218mm T4 (ø 13mm)	420lm	20 g
201 010 110 11	Fluorescent lamp T4/F 7W ww		420lm	20 g
201 010 110 02	Fluorescent lamp T4/F 10W cw	L = 294mm T4 (ø 13mm)	700lm	30 g
201 010 110 12	Fluorescent lamp T4/F 10W ww		700lm	30 g
201 010 110 03	Fluorescent lamp T4/F 18W cw	L = 472mm T4 (ø 13mm)	1350lm	40 g
201 010 110 13	Fluorescent lamp T4/F 18W ww		1350lm	40 g
201 010 401 01	Fluorescent lamp T5 HE 14W NATURE superb	L = 549mm T5 (ø 16mm) High Efficiency	900lm	50 g
201 010 119 11	Fluorescent lamp T5 HE 14W/827 Lumilux interna		1200lm	50 g
201 010 120 72	Fluorescent lamp T5 HE 14W/830 Lumilux ww		1200lm	50 g
201 010 120 01	Fluorescent lamp T5 HE 14W/840 Lumilux cw		1200lm	50 g
201 010 120 81	Fluorescent lamp T5 HE 14W/865 Lumilux dl		1100lm	50 g

Fluorescent

LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps

Article No.	Description	Dimensions	Luminous flux max.	Approx. weight
201 010 401 02	Fluorescent lamp T5 HE 21W NATURE superb	L = 849mm T5 (ø 16mm) High Efficiency	1400lm	75 g
201 010 119 12	Fluorescent lamp T5 HE 21W/827 Lumilux interna		1900lm	75 g
201 010 120 41	Fluorescent lamp T5 HE 21W/830 Lumilux ww		1900lm	75 g
201 010 120 02	Fluorescent lamp T5 HE 21W/840 Lumilux cw		1900lm	75 g
201 010 120 82	Fluorescent lamp T5 HE 21W/865 Lumilux dl		1750lm	75 g
201 010 401 03	Fluorescent lamp T5 HE 28W NATURE superb	L = 1149mm T5 (ø 16mm) High Efficiency	1950lm	105 g
201 010 119 13	Fluorescent lamp T5 HE 28W/827 Lumilux interna		2600lm	105 g
201 010 120 51	Fluorescent lamp T5 HE 28W/830 Lumilux ww		2600lm	105 g
201 010 120 11	Fluorescent lamp T5 HE 28W/840 Lumilux cw		2600lm	105 g
201 010 120 83	Fluorescent lamp T5 HE 28W/865 Lumilux dl		2400lm	105 g
201 010 401 04	Fluorescent lamp T5 HE 35W NATURE superb	L = 1449mm T5 (ø 16mm) High Efficiency	2450lm	135 g
201 010 119 14	Fluorescent lamp T5 HE 35W/827 Lumilux interna		3300lm	135 g
201 010 120 21	Fluorescent lamp T5 HE 35W/830 Lumilux ww		3300lm	135 g
201 010 120 31	Fluorescent lamp T5 HE 35W/840 Lumilux cw		3300lm	135 g
201 010 120 84	Fluorescent lamp T5 HE 35W/865 Lumilux dl		3050lm	135 g
201 010 117 12	Fluorescent lamp T5 HO 24W/830 Lumilux ww	L = 549mm T5 (ø 16mm) High Output	1750lm	50 g
201 010 117 52	Fluorescent lamp T5 HO 24W/840 Lumilux cw		1750lm	50 g
201 010 117 11	Fluorescent lamp T5 HO 39W/830 Lumilux ww	L = 849mm T5 (ø 16mm) High Output	3100lm	75 g
201 010 117 53	Fluorescent lamp T5 HO 39W/840 Lumilux cw		3100lm	75 g
201 010 117 13	Fluorescent lamp T5 HO 54W/830 Lumilux ww	L = 1149mm T5 (ø 16mm) High Output	4450lm	105 g
201 010 117 51	Fluorescent lamp T5 HO 54W/840 Lumilux cw		4450lm	105 g
201 010 117 14	Fluorescent lamp T5 HO 49W/830 Lumilux ww	L = 1449mm T5 (ø 16mm) High Output	4300lm	135 g
201 010 117 54	Fluorescent lamp T5 HO 49W/840 Lumilux cw		4300lm	135 g
201 010 117 41	Fluorescent lamp T5 HO 80W/830 Lumilux ww		6150lm	135 g
201 010 117 42	Fluorescent lamp T5 HO 80W/840 Lumilux cw		6150lm	135 g
201 010 112 06	Fluorescent lamp T5 L 6W/830 Lumilux ww	L = 212mm T5 (ø 16mm)	320lm	20 g
201 010 111 08	Fluorescent lamp T5 L 6W/840 Lumilux cw		320lm	20 g
201 010 119 02	Fluorescent lamp T5 L 8W/827 Lumilux interna	L = 288mm T5 (ø 16mm)	430lm	30 g
201 010 106 00	Fluorescent lamp T5 L 8W/830 Lumilux ww		430lm	30 g
201 010 111 07	Fluorescent lamp T5 L 8W/840 Lumilux cw		430lm	30 g
201 010 119 03	Fluorescent lamp T5 L 13W/827 Lumilux interna	L = 517mm T5 (ø 16mm)	950lm	50 g
201 010 112 07	Fluorescent lamp T5 L 13W/830 Lumilux ww		950lm	50 g
201 010 111 09	Fluorescent lamp T5 L 13W/840 Lumilux cw		950lm	50 g
201 010 112 05	Fluorescent lamp T8 L 15W/830 Lumilux ww	L = 438mm T8 (ø 26mm)	950lm	65 g
201 010 111 06	Fluorescent lamp T8 L 15W/840 Lumilux cw		950lm	65 g
201 010 112 08	Fluorescent lamp T8 L 16W/830 Lumilux ww	L = 720mm T8 (ø 26mm)	1250lm	100 g
201 010 111 01	Fluorescent lamp T8 L 16W/840 Lumilux cw		1250lm	100 g
201 010 112 02	Fluorescent lamp T8 L 18W/830 Lumilux ww	L = 590mm T8 (ø 26mm)	1350lm	90 g
201 010 111 02	Fluorescent lamp T8 L 18W/840 Lumilux cw		1350lm	90 g
201 010 112 01	Fluorescent lamp T8 L 30W/830 Lumilux ww	L = 895mm T8 (ø 26mm)	2400lm	125 g
201 010 111 05	Fluorescent lamp T8 L 30W/840 Lumilux cw		2400lm	125 g
201 010 112 04	Fluorescent lamp T8 L 36W/830 Lumilux ww	L = 1200mm T8 (ø 26mm)	3350lm	160 g
201 010 111 03	Fluorescent lamp T8 L 36W/840 Lumilux cw		3350lm	160 g
201 010 112 03	Fluorescent lamp T8 L 58W/830 Lumilux ww	L = 1500mm T8 (ø 26mm)	5200lm	200 g
201 010 111 04	Fluorescent lamp T8 L 58W/840 Lumilux cw		5200lm	200 g
201 010 209 01	KompaktLL F 6W/827 230/240V interna Sylvania	Compact fluorescent lamp base GX 53 incl. electronic ballast	220lm	90 g
201 010 211 01	KompaktLL F 6W/830 230/240V ww Sylvania		220lm	90 g
201 010 210 01	KompaktLL F 6W/840 230/240V cw Sylvania		220lm	90 g
201 010 205 01	KompaktLL Dulux S 9W/840 cw	Compact fluorescent lamp base G23	600lm	40 g

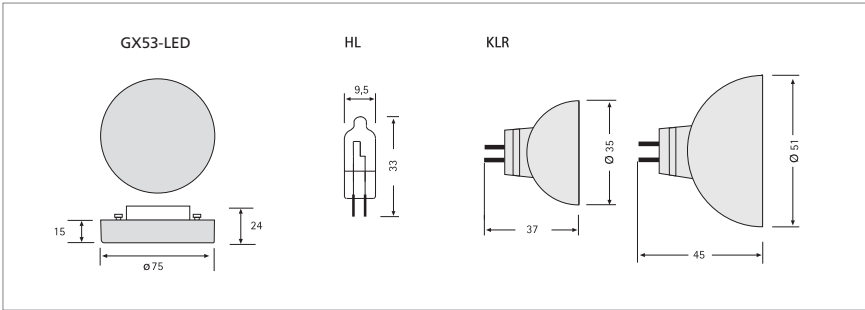
LED / Halogen

LED Transformers
Halogen Transformers
Plug-in Systems
Switches/Dimmer/Sockets
Lamps



LED / Halogen Lamps

- High quality low voltage halogen lamps by Osram (average life approx. 4,000 hours / special anti-corrosive pin base)
- GX53-LED with average life approx. 30,000 hours



Article No.	Description	Illustration	Features	Approx. weight
201 050 101 02	GX53-LED 3W 20SMD ww		• incl. transformer / 220-240V 50/60Hz • light colour ww (warm white) or cw (cool white)	90 g
201 050 101 01	GX53-LED 3W 20SMD cw			90 g
201 030 103 03	Halogen lamp 10W Halostar Starlite		• Pin base lamp G4	1 g
201 030 104 05	Halogen lamp 20W Halostar Starlite			1 g
201 030 300 03	Cool beam reflector lamp 10W		• Cool beam reflector lamp ø 35mm base GU4 • with lens / beam angle 36°	15 g
201 030 301 06	Cool beam reflector lamp 20W			15 g
201 030 301 05	Cool beam reflector lamp 20W		• Cool beam reflector lamp ø 51mm base GU5.3 • with lens / beam angle 36°	30 g
201 030 302 03	Cool beam reflector lamp 35W			30 g
201 030 303 02	Cool beam reflector lamp 50W			30 g



Appendix

Marks of Conformity

For the consumer, testing of the safety of the product by an independent, accredited testing agency is indicated by a mark of conformity. The marks of renowned testing agencies are shown below:

	Comité Electrotechnique Belge _____ Belgium
	Danmarks Elektriske Materiel-Kontrol _____ Denmark
	Europäische Norm Elektrotechnische Zertifizierung (VDE) _____ Germany
	Technischer Überwachungsverein _____ Germany
	Verband Deutscher Elektrotechniker e.V. _____ Germany
	Fertigungsüberwachung des VDE _____ Germany
	Electrical Inspectorate _____ Finland
	Union Technique de l'Electricité _____ France
	British Standards Institute _____ Great Britain
	Canadian Standards Association _____ Canada
	Warnock Hersey, Nationally Approved Testing Laboratory _____ Canada
	Naamloze Vennootschap tot Keuring van Electrotechnisch Materialen _____ Netherlands
	Norges Elektriske Materialkontroll _____ Norway
	Österreichischer Verband für Elektrotechnik _____ Austria
	Svenska Elektriska Materielkontrollanstalten AB _____ Sweden
	Schweizerischer Elektrotechnischer Verein _____ Switzerland
	ETL Testing Laboratories _____ USA
	Underwriters Laboratories Inc. _____ USA
	Australian Communications Authority _____ Australia
	State Committee of the Russian Federation for Standardisation & Metrology _____ Russia
	Biuro Badawcze Ds. Jakosci _____ Poland

Appendix

Marking of luminaires

Safety class symbols

	Safety class I	Protective earthing, earthed conductor on the equipment casing
	Safety class II	Protective insulation
	Safety class III	Protective low voltage, < 50 V, on luminaires and transformers for luminaires

Types of protection

Type of protection marking consists of the letters **IP**, followed by two numerals.

The first numeral stands for: Protection of persons against contact or proximity to active parts, against contact with moving parts within the casing, as well as protection of the device against ingress by foreign objects.

The second numeral stands for: Protection of the equipment within the casing against damaging ingress of water.

1st numeral

0	no special protection
1	protected against solid objects larger than 50 mm (back of the hand)
2	protected against solid objects larger than 12 mm (finger)
3	protected against solid objects larger than 2.5 mm (tools)
4	protected against solid objects larger than 1 mm (wire)
5	dust-protected
6	dust-tight

2nd numeral

0	no special protection
1	protected against drips (vertical)
2	protected against drips 15° (less than 15°)
3	protected against spraying (less than 60°)
4	protected against splashes (from any direction)
5	protected against jetting
6	protected against strong jetting
7	protected against the consequences of immersion (30 minutes at a depth of up to 1m)
8	protected against submersion (longer/deeper than [Z], as agreed between manufacturer and user)

Appendix

Signs and symbols on luminaires



Maximum bulb wattage for the halogen lamp used



Beam angle



Maximum output of the MR 11 and MR 16 lamps for the halogen lamp used



Minimum clearance to combustible materials or delicate surfaces



Lamp (T2, T4, T5, T8 ..)



LED and "cool" halogen spotlight, no minimum clearance necessary



Compact fluorescent lamp GX53



Hole diameter necessary for recessing



Compact fluorescent lamp Dulux EL, S



2-Pole Plug-In System for 230V luminaires



Plug-In System for Power-LED luminaires with 350mA



3-Pole Plug-In System for 230V luminaires



Plug-In System for LED luminaires 24V DC



Plug-In System for 12V halogen luminaires

Symbols for installation



This symbol applies to discharge lamps. It indicates that these luminaires may be used on non-flammable, flame-retardant or normal flammable building materials in accordance with DIN 4102.



This symbol applies to luminaires with discharge lamps for installation in and on furnishings (furniture). It indicates that these luminaires may be attached in the specified manner to furnishings made of non-flammable, flame-retardant or normal flammable building materials in accordance with DIN 4102, even if they are coated, varnished or veneered.



This symbol applies to luminaires with discharge lamps and luminaires for incandescent lamps for installation in and on furnishings (furniture). It indicates that these luminaires may be attached in the specified manner to furnishings made of non-flammable, flame-retardant or normal flammable building materials according to DIN 4102, even if they are coated, varnished or veneered, but also to materials with an unknown fire response.

Appendix

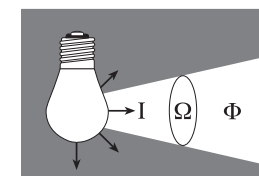
The most important terms used in lighting

As is the norm in technology and science, lighting technology uses specific terms to specify characteristics of lamps and luminaires and has standardised the relevant units of measurement. The most important of these are set out below.

Light is electromagnetic radiation, which elicits a light sensation in the human eye, and is therefore visible. This is the radiation between 360 and 830 nm, only a tiny part of the spectrum of electromagnetic radiation which is known to us.

Luminous flux Φ

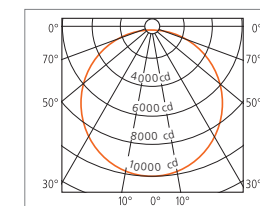
Unit: lumen [lm].
Luminous flux is the total light output of a light source, that is evaluated with the spectral sensitivity of the eye.



Luminous intensity I is a measurement of the luminous flux emitted in the steradian

Luminous intensity

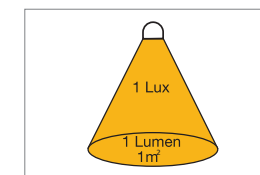
Unit: candela [cd].
A light source generally emits its luminous flux at different strengths in different directions. The intensity of the light given off in a specific direction is known as luminous intensity.



Polar diagram

Illumination E

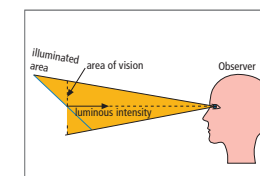
Unit: lux [lx].
Illumination E is the ratio of luminous flux to the area illuminated. Illumination is 1 lx, when a luminous flux of 1 lm provides an even light over an area of 1 m².



Illumination E

Luminance L

Unit: candela per square metre [cd/m²].
The luminance L of a light source or an illuminated area is crucial for the impression of brightness perceived.



Luminance L

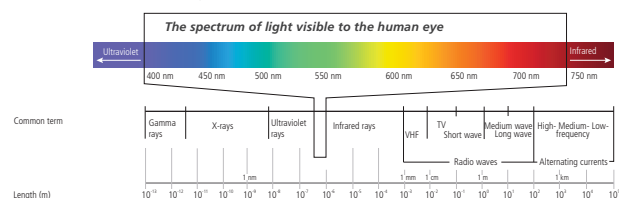
Appendix

The most important terms used in lighting

What is light anyway?

Light can be defined as electromagnetic waves. Our conception of both light and colour refers to electromagnetic waves of a frequency that is visible to the human eye. Waves of other frequencies have no colour. Most are described by names which identify what they are used for.

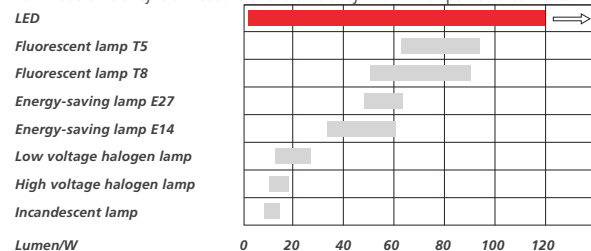
The entire frequency range of electromagnetic waves is called the electromagnetic spectrum. This spans seamlessly from the lowest energy, long waves, e.g. radio waves, to the energy-rich, ultra-hard X-rays and gamma rays that come from a radioactive source. The visible light region occupies a very narrow portion of the electromagnetic spectrum. It corresponds to the wavelengths 400 nm (violet) to 750 nm (red).



Energy efficiency (light output)

Unit: lumens per watt (lm/W)

Luminous efficiency is a measure of the efficiency with which power is converted into light:



Average rated life

The average rated life is the average life expectancy of individual lamps operated under standard conditions (50% lamp failure).

Average rated life of different lamps

Incandescent lamp E14 / E27	approx. 1,000 hrs
Halogen low voltage (no name)	500 - 2,000 hrs
Halogen low voltage (name-brand product)	2,000 - 4,000 hrs
T5 (Ø16mm) fluorescent lamp (6-13W)	approx. 7,000 hrs
T2 (Ø 7mm) fluorescent lamp	approx. 8,000 hrs
T8 (Ø26mm) fluorescent lamp (magnetic ballast)	approx. 13,000 hrs
Energy-saving lamp	4,000 - 19,000 hrs
T8 (Ø26mm) fluorescent lamp (electronic ballast)	approx. 20,000 hrs
T5 HO (Ø16mm) fluorescent lamp (24-80W)	approx. 24,000 hrs
LED (depending on style, control, cooling...)	10,000 - 100,000 hrs & up

Appendix

The most important terms used in lighting

Colour rendering (Ra)

Colour rendering is an important quality feature of light.

A light source that contains the full spectrum of colours, e.g. sunlight, makes the colours of the illuminated items appear natural. Depending on use, artificial light should show objects in a light as natural as possible (as in normal daylight). The colour rendering properties of a light source, expressed in levels according to the "general colour rendering index" Ra, are the benchmark for this. A light source with Ra = 100 reproduces all colours perfectly. The lower the Ra value, the less natural the colours reproduced.

Colour rendering levels (Ra) of different lamps

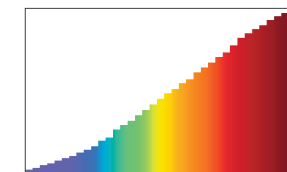
Lamp	Colour rendering index
Halogen lamp	100
T5 fluorescent lamp	80 - 98
Compact fluorescent lamp	80 - 90
LED lamps ww (warm white)	80 - 90
LED lamps cw (cool white)	approx. 70
T8 fluorescent lamps	50 - 60, occasionally 80
High pressure mercury vapour lamps (e.g. street lighting)	40 - 59
High pressure sodium vapour lamps (e.g. street lighting)	20 - 89
Low pressure sodium vapour lamps (e.g. tunnel lighting)	<20

Depending on use, a lamp should be selected on the basis of its colour rendition. Absolute colour fidelity is extremely important in the graphics industry, where lamps with a colour rendering index of much more than 90 must be used. To ensure that lighting is good and relaxing to work in, lamps with a colour rendering index (CRI) of less than 80 should not be used in offices and work-shops. In living rooms and bedrooms, where the light colour is less important, lamps can be selected according to the mood required rather than their colour rendering.

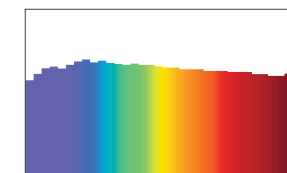
In commercial environments, colour rendition is often deliberately changed – to make meat appear an appetizing red, for instance. Poor colour rendering, however, can also unintentionally lead to some products (such as textiles) looking different in the shop than in daylight.

A colour chart with different Ra values can be found on ACCESSORIES page 142.

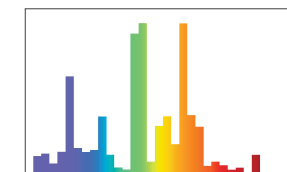
Spectral radiance distribution of light sources



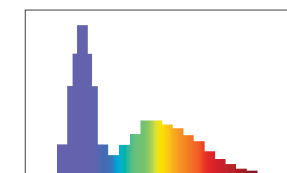
Halogen, Ra = 100



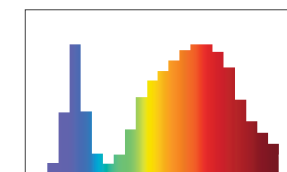
Sunlight, Ra = 100



Fluorescent T5 cw, Ra = 80-89



LED cw, Ra = 70

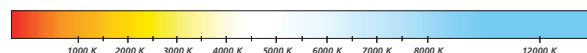


LED ww, Ra = 90

Appendix

The most important terms used in lighting

Colour temperature / colour appearance



The colour of light is defined in Kelvin (K). The lower the Kelvin, the “warmer” the light – from yellow to orange to red. The higher the Kelvin, the “cooler” (bluish-looking) the light. The colour temperature of a light source is the temperature at which a material, e.g. a lamp filament or a fire's glow, arouses the same colour impression as the actual light source.

1°C = 274 K
2700°C = 2,973 K

On page 142 in the ACCESSORIES section you will find an overview of the light colours with their respective colour temperatures.

Light source	Colour temperature
Candle	1,500 K
Incandescent lamp (40W)	2,680 K
Incandescent lamp (100W)	2,800 K
Halogen lamp	3,000 K
Fluorescent tube (warm white)	3,000 K
Fluorescent tube (cool white)	4,000 K
Xenon/arc lamp	4,500 - 5,000 K
Midday sun	5,500 - 5,800 K
Fluorescent tube (daylight)	5,600 - 7,000 K
Overcast sky	6,500 - 7,500 K
Blue sky	8,000 - 12,000 K

Fluorescent luminaires with dimmable electronic ballast

Fluorescent luminaires can also be dimmed. However, unlike standard incandescent lamps, this is not the result of changes in the mains supply. The following versions are currently available:

- 1 – 10 V** By attaching a control voltage on a separate 2-pole control cable between 1 – 10V, the brightness can be infinitely adjusted approx. 5% – 100%. The mains supply remains constant. Total darkness (0%) can only be achieved by switching off the mains supply.
Luminaires by Hera: FD 5, FD 7, FD 8
- DALI** Digital Addressable Lighting Interface is a digital protocol for the control of lighting. Unlike analogue brightness control (1 – 10V), here it is possible to control individual luminaires. It is simple to integrate in a building management system. By being “individually addressable”, the luminaires can not only be controlled, but are also capable of making responses. They can therefore contribute to energy-saving, flexible light circuits.
Luminaires by Hera: FD 5, FD 7, FD 8
- PWM** (Pulse Width Modulation) Here the control pulse in the mains power supply is transferred via another conductor, which makes an additional control cable unnecessary. The luminaires, however, can only be controlled with a specific dimmer control.
Luminaires by Hera: DimSlim

Appendix

Luminaires with electronic ballasts

Advantages of electronic ballasts compared to conventional ballasts

- flicker-free instant start
- glimmer-free light due to high operating frequency
- no stroboscopic effect
- no electrode flicker
- no system hum
- lower operating costs due to improved energy efficiency
- significant increase in lamp life
- less energy loss
- immunity to mains voltage and frequency fluctuations
- safety shut-down in the event of defective lamp (end of life)
- low heat generation on the luminaire
- lower maintenance costs (starter replacement)
- no starter needed
- can be mounted on surfaces where the fire response is unknown
- longer strip lights possible

Electronic ballasts – healthier, easier, more economic

Flicker-free light without elektrosmog

Fluorescent lamps with electronic ballasts produce minimal magnetic field strengths. This avoids magnetic stray fields and thus elektrosmog. In addition, their higher operating frequencies make these luminaires completely noise-free, because there is no so-called 50Hz hum. The electronic ballast also ensures a gentle, flicker-free light. Electronic ballasts therefore play an important part in providing a fatigue-proof, healthier work environment.

More convenience and control

Electronic ballasts are more convenient. Before starting up, the fluorescent lamp filaments are briefly pre-heated, so that a sufficiently high firing pulse is available when the lamps are switched on. This in turn provides a flicker-free instant start. Luminaires operated with electronic ballasts are appropriate for use in modern light control systems, making them ideal for modern office and business premises. Further, the electronic ballast switches off the lamp at the end of its life and thus eliminates irritating fluorescent flicker.

Less lamp waste = better for the environment

Fluorescent lamps with electronic ballasts consume 25% – 30% less energy than systems with conventional magnetic ballasts. At the same time the average life of the lamps is extended by more than 50%. Less mercury and other waste products are therefore generated. The total volume of lamp waste is reduced by about 30%. The amount of hazardous waste for disposal in industrial, commercial or public facilities, or for recycling, correspondingly decreases.

Lower energy and replacement costs

Electronic ballasts are more economical than magnetic ballasts in three different ways. First, the electronic ballast functions about 22% more efficiently than a conventional ballast. Second, the fluorescent lamp requires less energy, as it is not switched off at every zero-crossing of the AC voltage. Apart from an energy saving of 25% – 30%, the life of the lamp increases by more than 50%. Therefore, third is a massive saving in the cost of lamp replacement. Thanks to the electronic ballast, the interval at which lamps are replaced in public lighting systems has been extended from 2 to 4 years.

Index by article number

Article No.	Product	Page	Article No.	Product	Page
201 010 106 00	Fluorescent lamp T5 L 8W/830 Lumilux ww	143	201 010 210 01	KompaktLL F 6W/840 230/240V cw Sylvania	143
201 010 110 01	Fluorescent lamp T4/F 7W cw	142	201 010 211 01	KompaktLL F 6W/830 230/240V ww Sylvania	143
201 010 110 02	Fluorescent lamp T4/F 10W cw	142	201 010 401 00	Fluorescent lamp T5 HE 14W NATURE superb	142
201 010 110 03	Fluorescent lamp T4/F 18W cw	142	201 010 401 02	Fluorescent lamp T5 HE 21W NATURE superb	143
201 010 110 11	Fluorescent lamp T4/F 7W ww	142	201 010 401 03	Fluorescent lamp T5 HE 28W NATURE superb	143
201 010 110 12	Fluorescent lamp T4/F 10W ww	142	201 010 401 04	Fluorescent lamp T5 HE 35W NATURE superb	143
201 010 110 13	Fluorescent lamp T4/F 18W ww	142	201 030 103 03	Halogen lamp 10W Halostar Starlite	144
201 010 111 01	Fluorescent lamp T8 L 16W/840 Lumilux cw	143	201 030 104 05	Halogen lamp 20W Halostar Starlite	144
201 010 111 02	Fluorescent lamp T8 L 18W/840 Lumilux cw	143	201 030 300 03	Cool beam reflector lamp 10W	144
201 010 111 03	Fluorescent lamp T8 L 36W/840 Lumilux cw	143	201 030 301 05	Cool beam reflector lamp 20W	144
201 010 111 04	Fluorescent lamp T8 L 58W/840 Lumilux cw	143	201 030 301 06	Cool beam reflector lamp 20W	144
201 010 111 05	Fluorescent lamp T8 L 30W/840 Lumilux cw	143	201 030 302 03	Cool beam reflector lamp 35W	144
201 010 111 06	Fluorescent lamp T8 L 15W/840 Lumilux cw	143	201 030 303 02	Cool beam reflector lamp 50W	144
201 010 111 07	Fluorescent lamp T5 L 8W/840 Lumilux cw	143	201 050 101 01	GX53-LED 3W 20 SMD cw	144
201 010 111 08	Fluorescent lamp T5 L 6W/840 Lumilux cw	143	201 050 101 02	GX53-LED 3W 20 SMD ww	144
201 010 111 09	Fluorescent lamp T5 L 13W/840 Lumilux cw	143			
201 010 112 01	Fluorescent lamp T8 L 30W/830 Lumilux ww	143	202 021 220 01	LED Stick 2 70mm 8 LED 0,8W cw	77
201 010 112 02	Fluorescent lamp T8 L 18W/830 Lumilux ww	143	202 021 220 02	LED Stick 2 70mm 8 LED 0,8W ww	77
201 010 112 03	Fluorescent lamp T8 L 58W/830 Lumilux ww	143	202 021 220 05	LED Stick 2 70mm 8 LED 0,8W ww	77
201 010 112 04	Fluorescent lamp T8 L 36W/830 Lumilux ww	143	202 021 222 01	LED Stick 2 200mm 24 LED 1,6W cw	77
201 010 112 05	Fluorescent lamp T8 L 15W/830 Lumilux ww	143	202 021 222 02	LED Stick 2 200mm 24 LED 1,6W ww	77
201 010 112 06	Fluorescent lamp T5 L 6W/830 Lumilux ww	143	202 021 222 04	LED Stick 2 200mm 24 LED 1,6W „bread“	77
201 010 112 07	Fluorescent lamp T5 L 13W/830 Lumilux ww	143	202 021 222 05	LED Stick 2 200mm 36 LED 2,4W cw	77
201 010 112 08	Fluorescent lamp T8 L 16W/830 Lumilux ww	143	202 021 223 01	LED Stick 2 300mm 36 LED 2,4W cw	77
201 010 112 11	Fluorescent lamp T5 HO 39W/830 Lumilux ww	143	202 021 223 02	LED Stick 2 300mm 36 LED 2,4W ww	77
201 010 117 12	Fluorescent lamp T5 HO 24W/830 Lumilux ww	143	202 021 223 04	LED Stick 2 300mm 36 LED 2,4W „bread“	77
201 010 117 13	Fluorescent lamp T5 HO 54W/830 Lumilux ww	143	202 021 223 05	LED Stick 2 300mm 36 LED 2,4W ww	77
201 010 117 14	Fluorescent lamp T5 HO 49W/830 Lumilux ww	143	202 021 223 21	LED Stick 2 300mm 36 LED 2,4W cw SE 2,5m	77
201 010 117 41	Fluorescent lamp T5 HO 80W/830 Lumilux ww	143	202 021 223 22	LED Stick 2 300mm 36 LED 2,4W ww SE 2,5m	77
201 010 117 42	Fluorescent lamp T5 HO 80W/840 Lumilux cw	143	202 021 223 24	LED Stick 2 300mm 36 LED 2,4W „bread“ SE 2,5m	77
201 010 117 51	Fluorescent lamp T5 HO 54W/840 Lumilux cw	143	202 021 223 25	LED Stick 2 300mm 36 LED 2,4W ww SE 2,5m	77
201 010 117 52	Fluorescent lamp T5 HO 24W/840 Lumilux cw	143	202 021 232 01	LED Twin-Stick 2 200mm 48 LED 3,0W cw	79
201 010 117 53	Fluorescent lamp T5 HO 39W/840 Lumilux cw	143	202 021 232 02	LED Twin-Stick 2 200mm 48 LED 3,0W ww	79
201 010 117 54	Fluorescent lamp T5 HO 49W/840 Lumilux cw	143	202 021 232 05	LED Twin-Stick 2 200mm 48 LED 3,0W ww	79
201 010 119 02	Fluorescent lamp T5 L 8W/827 Lumilux interna	143	202 021 233 01	LED Twin-Stick 2 300mm 72 LED 4,4W cw	79
201 010 119 03	Fluorescent lamp T5 L 13W/827 Lumilux interna	143	202 021 233 02	LED Twin-Stick 2 300mm 72 LED 4,4W ww	79
201 010 119 11	Fluorescent lamp T5 HE 14W/827 Lumilux interna	142	202 021 233 05	LED Twin-Stick 2 300mm 72 LED 4,4W ww	79
201 010 119 12	Fluorescent lamp T5 HE 21W/827 Lumilux interna	143	202 021 233 11	LED Twin-Stick 2 300mm 72 LED 4,4W cw	79
201 010 119 13	Fluorescent lamp T5 HE 28W/827 Lumilux interna	143	202 021 233 12	LED Twin-Stick 2 300mm 72 LED 4,4W ww	79
201 010 119 14	Fluorescent lamp T5 HE 35W/827 Lumilux interna	143	202 021 233 15	LED Twin-Stick 2 300mm 72 LED 4,4W ww	79
201 010 120 01	Fluorescent lamp T5 HE 14W/840 Lumilux cw	142	202 021 301 01	LED RGB Line 300mm 12LED 1,8W	111
201 010 120 02	Fluorescent lamp T5 HE 21W/840 Lumilux cw	143	202 021 401 01	LED Line 300mm 12 LED 0,8W	75
201 010 120 11	Fluorescent lamp T5 HE 28W/840 Lumilux cw	143	202 021 401 02	LED Line 300mm 12 LED 0,8W	75
201 010 120 21	Fluorescent lamp T5 HE 35W/830 Lumilux ww	143	202 021 402 01	LED Line 1000mm 36 LED 2,5W	75
201 010 120 31	Fluorescent lamp T5 HE 35W/830 Lumilux ww	143	202 021 402 02	LED Line 1000mm 36 LED 2,5W	75
201 010 120 31	Fluorescent lamp T5 HE 35W/830 Lumilux ww	143	202 023 701 01	LED ON TOP feeder element black	83
201 010 120 41	Fluorescent lamp T5 HE 21W/830 Lumilux ww	143	202 023 702 01	LED ON TOP dummy element black	83
201 010 120 51	Fluorescent lamp T5 HE 28W/830 Lumilux ww	143	202 023 703 01	LED ON TOP 1W cw black	83
201 010 120 72	Fluorescent lamp T5 HE 14W/830 Lumilux ww	142	202 023 704 01	LED ON TOP 1W ww black	83
201 010 120 81	Fluorescent lamp T5 HE 14W/865 Lumilux dl	142	202 023 711 01	LED ON TOP feeder element anodised alu	83
201 010 120 82	Fluorescent lamp T5 HE 21W/865 Lumilux dl	143	202 023 712 01	LED ON TOP dummy element anodised alu	83
201 010 120 83	Fluorescent lamp T5 HE 28W/865 Lumilux dl	143	202 023 713 01	LED ON TOP 1W cw anodised aluminium	83
201 010 120 84	Fluorescent lamp T5 HE 35W/865 Lumilux dl	143	202 023 714 01	LED ON TOP 1W ww anodised aluminium	83
201 010 121 01	Fluorescent lamp T5 HO 24W/840 cw Seamless	19	202 040 103 41	CS CM mounting clip metal version	17
201 010 121 02	Fluorescent lamp T5 HO 39W/840 cw Seamless	19	202 040 103 42	CS CE mounting clip corner mounting 45°	17
201 010 121 03	Fluorescent lamp T5 HO 54W/840 cw Seamless	19	202 040 103 43	CS CW mounting clip angle mounting 90°	17
201 010 121 11	Fluorescent lamp T5 HO 24W/830 ww Seamless	19	202 040 103 44	CS CR mount clip for 0° reflector	22
201 010 121 12	Fluorescent lamp T5 HO 28W/830 ww Seamless	19	202 040 103 45	CS CR mount clip for 25° reflector	22
201 010 121 13	Fluorescent lamp T5 HO 54W/830 ww Seamless	19	202 040 107 03	Mounting clip LED Stick 2	77
201 010 123 06	Fluorescent lamp T8 18W blue	113	202 040 107 04	Mounting clip LED Twin-Stick 2	79
201 010 123 07	Fluorescent lamp T8 30W blue	113	202 040 107 13	Mounting clip LED Stick 2 for cover profile	77
201 010 123 08	Fluorescent lamp T8 36W blue	113	202 040 107 14	Mounting clip LED Twin-Stick 2 for cover profile	79
201 010 123 09	Fluorescent lamp T8 58W blue	113	202 040 110 01	Screw-on bracket SIL-LED for side mounting	95
201 010 123 26	Fluorescent lamp T8 18W green	113	202 040 111 01	CS mounting bracket for coved lighting	23
201 010 123 28	Fluorescent lamp T8 36W green	113	202 220 110 00	Basic Line BL 340mm 8W	27
201 010 123 29	Fluorescent lamp T8 58W green	113	202 220 120 00	Basic Line BL 600mm 14W	27
201 010 123 36	Fluorescent lamp T8 18W red	113	202 220 130 00	Basic Line BL 900mm 21W	27
201 010 123 37	Fluorescent lamp T8 30W red	113	202 220 140 00	Basic Line BL 1200mm 28W	27
201 010 123 38	Fluorescent lamp T8 36W red	113	202 220 150 00	Basic Line BL 1500mm 35W	27
201 010 123 39	Fluorescent lamp T8 58W red	113			
201 010 123 47	Fluorescent lamp T2 FM 11W/730 ww	142	203 011 802 01	CS-PL plexiglass cover 6W	17
201 010 128 03	Fluorescent lamp T2 FM 11W/730 ww	142	203 011 802 02	CS-PL plexiglass cover 8W	17
201 010 128 04	Fluorescent lamp T2 FM 13W/730 ww	142	203 011 802 03	CS-PL plexiglass cover 142/4W	17
201 010 129 03	Fluorescent lamp T2 FM 11W/740 cw	142	203 011 802 04	CS-PL plexiglass cover 213/9W	17
201 010 129 04	Fluorescent lamp T2 FM 13W/740 cw	142	203 011 802 05	CS-PL plexiglass cover 285/4W	17
201 010 205 01	KompaktLL Dulux S 9W/840 cw	143	203 011 802 06	CS-PL plexiglass cover 35W	17
201 010 209 01	KompaktLL F 6W/827 230/240V interna Sylvania	143	203 012 501 01	BL plexiglass cover 8W	27
			203 012 502 01	BL plexiglass cover 14W	27

Index by article number

Article No.	Product	Page	Article No.	Product	Page
203 012 503 01	BL plexiglass cover 21W	27	215 100 403 01	M46.1/1000 connecting cable 1m	132
203 012 504 01	BL plexiglass cover 28W	27	215 100 404 01	M46.1/ 300 connecting cable 0,3m	132
203 012 505 01	BL plexiglass cover 35W	27	215 100 405 01	M46.1/1500 connecting cable 1,5m	132
203 012 801 10	Cover profile LED Stick 1000mm	77	215 100 406 01	M46.1/2000 connecting cable 2m	132
203 012 801 54	Cover profile LED Stick 5400mm roll	77	215 100 407 01	M46.1/3000 connecting cable 3m	132
204 040 101 00	CS- Reflector 180mm 6W	22	215 120 507 01	adaptor cable XL-plug / CS-socket 0,15m	21
204 040 102 00	CS- Reflector 256mm 8W	22	215 120 507 02	adaptor cable CS-plug / XL-socket 0,15m	21
204 040 103 00	CS- Reflector 516mm 14/24W	22	215 120 507 11	adaptor cable XLB-plug / HVLCs-socket 0,1m	21
204 040 104 00	CS- Reflector 816mm 21/39W	22	215 120 507 12	adaptor cable HVLCs-plug / XLB-socket 0,1m	21
204 040 105 00	CS- Reflector 1116mm 28/54W	22	215 140 000 01	BLK connecting coupling	27
204 040 106 00	CS- Reflector 1416mm 35W	22	215 140 318 01	BL 43/1800 mains cable with Euro plug 1,8m	27
205 010 211 06	Mounting ring R 68 matt chrome	53	215 140 601 01	BL 46/ 150 connecting cable 0,15m	27
205 010 211 08	Mounting ring R 68 stainless steel	53	215 140 603 01	BL 46/ 300 connecting cable 0,3m	27
205 010 212 06	Mounting ring Q 68 matt chrome	53	215 140 606 01	BL 46/ 600 connecting cable 0,6m	27
205 010 212 08	Mounting ring Q 68 stainless steel	53	215 140 612 01	BL 46/1200 connecting cable 1,2m	27
205 020 104 03	Spacer ring (K48) chrome	51	215 140 618 01	BL 46/1800 connecting cable 1,8m	27
205 020 104 06	Spacer ring (K48) matt chrome	51	215 141 318 01	BLB 43/1800 mains cable with Euro plug 1,8m	27
205 020 104 10	Spacer ring (K48) stainless steel	51	215 141 601 01	BLB 46/ 150 connecting cable 0,15m	27
205 020 108 01	Spacer ring (K105) white	55	215 141 603 01	BLB 46/ 300 connecting cable 0,3m	27
205 020 108 02	Spacer ring (K105) chrome	55	215 141 606 01	BLB 46/ 600 connecting cable 0,6m	27
205 020 108 03	Spacer ring (K105) gold	55	215 141 612 01	BLB 46/1200 connecting cable 1,2m	27
205 020 108 05	Spacer ring (K105) black	55	215 141 618 01	BLB 46/1800 connecting cable 1,8m	27
205 020 108 08	Spacer ring (K105) stainless steel	55	215 250 610 01	LED 350 connecting cable 1m	45
205 020 108 12	Spacer ring (K105) matt chrome	55	215 250 620 01	LED 350 connecting cable 2m	45
205 020 108 64	Spacer ring (K129) chrome	55	215 260 000 01	CSK connecting coupling	21
205 020 108 66	Spacer ring (K129) matt chrome	55	215 260 218 01	CS 42/1800 mains cable with AE 1,8m	21
205 020 108 68	Spacer ring (K129) stainless steel	55	215 260 230 01	CS 42/3000 mains cable with AE 3m	21
205 020 115 04	Spacer ring (K 199) chrome	57	215 260 318 01	CS 43/1800 mains cable with Euro 1,8m	21
205 020 115 06	Spacer ring (K 199) matt chrome	57	215 260 330 01	CS 43/3000 mains cable with Schuko 3m	21
205 020 115 08	Spacer ring (K 199) stainless steel	57	215 260 418 01	CS 44/1800 mains cable with HVLCs 1,8m	21
206 040 011 01	Transformer LED 24/15W DC 24V 12-way distributor	127	215 260 601 01	CS 46/ 150 connecting cable 0,15m	21
206 040 012 01	Transformer LED 24/30W DC 24V distributor Euro dimmable (radio controller)	128	215 260 603 01	CS 46/ 300 connecting cable 0,3m	21
206 040 012 05	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (touch controller)	128	215 260 606 01	CS 46/ 600 connecting cable 0,6m	21
206 040 013 01	Transformer LED 12/15W with Radio Controller	111	215 260 612 01	CS 46/1200 connecting cable 1,2m	21
206 040 014 01	Transformer LED 12/30W with Touch Controller	111	215 260 618 01	CS 46/1800 connecting cable 1,8m	21
206 040 014 30	Transformer LED 12/30W with Amplifier	111	215 270 600 21	Connecting cable LED Stick 2 30mm	77
213 041 080 08	Front cover for cover profile LED Stick stainless steel	77	215 270 600 22	Connecting cable LED Twin-Stick 2 30 mm	79
213 060 000 20	Flat hinge Set 0-180° tilt	80	215 270 610 11	Connecting cable LED Stick 2 1000mm	77
214 021 001 26	Ring terminal M8 for Flex LED without arm	135	215 270 610 12	Connecting cable LED Twin-Stick 2 1000 mm	77
214 021 001 31	Ring terminal M4 for UL1, UL3, Flex LED with arm	135	215 270 625 11	Supply cable LED Stick 2 2500mm	79
215 030 803 03	Mini AMP adaptor cable 0.1m with plug NV10	130	215 272 625 02	Supply cable LED Twin-Stick 2 2500mm	79
215 031 601 01	Euro Y-distributor with one plug and 2 sockets	133	215 290 600 01	Connecting cable LED RGB Line 50 mm	111
215 032 202 02	Mini AMP 1-10V connecting cable 1,8m	130	215 290 605 01	Connecting cable LED RGB Line 500 mm	111
215 032 202 10	Mini AMP connecting cable 1m	130	215 290 625 01	Supply cable LED RGB Line 2500mm	111
215 032 202 20	Mini AMP connecting cable 0,5m	130	215 300 610 01	LED 24 connecting cable 1m	49
215 032 202 60	Mini AMP 1-10V connecting cable 0,15m	130	215 300 625 01	LED 24 connecting cable 2,5m	49
215 032 202 70	Mini AMP 1-10V connecting cable 0,3m	130	215 310 600 01	Connecting cable LED Line 50mm	75
215 032 202 80	Mini AMP 1-10V connecting cable 0,6m	130	215 310 605 01	Connecting cable LED Line 500mm	75
215 032 202 90	Mini AMP 1-10V connecting cable 1,2m	130	215 310 625 01	Supply cable LED Line 2500mm	75
215 032 203 03	Mini AMP adaptor cable 0.1m with socket NV10	130	215 440 220 01	HVLCs S/2000 switch connection cable 2m with coded plug	131
215 032 205 01	Mini AMP 1-10V mains cable 1m	130	215 440 220 02	HVLCs 42/2000 mains cable with AE 2m	131
215 042 401 31	Euro connecting cable 3m	133	215 440 320 01	HVLCs 43/2000 mains cable with Euro 2m	131
215 080 402 08	Cable duct adhesive matt chrome	59	215 440 601 01	HVLCs 46/ 150 connecting cable 0,15m	131
215 080 402 18	Cable duct adhesive stainless steel	59	215 440 605 01	HVLCs 46/ 500 connecting cable 0,5m	131
215 080 402 21	Cable duct adhesive white	49	215 440 610 01	HVLCs 46/1000 connecting cable 1m	131
215 080 402 26	Cable duct adhesive matt chrome	49	215 440 615 01	HVLCs 46/1500 connecting cable 1,5m	131
215 080 402 28	Cable duct adhesive stainless steel	49	215 440 620 01	HVLCs 46/2000 connecting cable 2m	131
215 080 509 02	Transformer LED 35/09W 9-way distributor with Euro plug	124	215 440 702 01	HVLCs 47/ 200 adaptor cable with Euro coupling and HVLCs plug 0,2 m	131
215 080 604 01	Mini AMP 6-way distributor	130	215 441 120 01	HVLCs V/2000 6-way distributor with Euro 2m	131
215 080 604 02	Mini AMP 6-way distributor	130	215 441 120 11	HVLCs V/2000 mains cable 2m + 6-way distributor	131
215 080 607 01	LED RGB 4-way distributor	111	215 441 220 01	HVLCs VS/2000 mains cable 2m + 6-way + coded socket	131
215 100 101 01	M42.1/2000 mains cable 2m	132	215 441 220 11	HVLCs VS/2000 mains cable 2m + 6-way + coded socket	131
215 100 102 01	M42.1/1000 mains cable 1m	132	215 441 300 01	HVLCs Y-distributor	131
215 100 103 01	M42.1/1500 mains cable 1,5m	132	215 441 400 01	HVLCs T-adaptor for one socket	131
215 100 104 01	M42.1/3000 mains cable 3m	132	215 441 501 01	HVLCs H Wood flush-type socket	131
215 100 105 01	M42.1/ 500 mains cable 0,5m	132	215 441 501 11	HVLCs B metal flush-type socket with nut	131
215 100 201 01	M43.1/2000 mains cable 2m	132	216 020 300 06	Mini AMP 2-way distributor	130
215 100 202 01	M43.1/3000 mains cable 3m	132	217 031 810 05	Mounting switch SAQ square	133
215 100 203 01	M43.1/1500 mains cable 1,5m	132	217 032 201 01	IR Switch 24V max. 30W	136
215 100 204 01	M43.1/1000 mains cable 1m	132	222 010 102 12	Tungsten carbide hole saw D=78mm	65
215 100 401 01	M46.1/ 200 connecting cable 0,2m	132	500 065 010 02	FD 44 241mm 6W (T5)	31
215 100 402 01	M46.1/ 500 connecting cable 0,5m	132	500 065 020 02	FD 44 316mm 8W (T5)	31
			500 065 030 02	FD 44 545mm 13W (T5)	31

Index by article number

Article No.	Product	Page	Article No.	Product	Page
500 065 040 02	FD 44 468mm 15W (T8)	31	501 100 505 00	FD 8 1475mm 80W (T5) HO	37
500 065 050 02	FD 44 750mm 16W (T8)	31	501 100 603 00	FD 8 875mm 21/39W (T5) dimmable	37
500 065 060 02	FD 44 620mm 18W (T8)	31	501 100 604 00	FD 8 1175mm 28/54W (T5) dimmable	37
500 065 070 02	FD 44 925mm 30W (T8)	31	501 100 605 00	FD 8 1475mm 35/49/80W (T5) dimmable	37
500 065 080 02	FD 44 1230mm 36W (T8)	31	501 111 200 03	SIL-S 7W length 412mm / 418mm*	94
500 065 090 02	FD 44 1530mm 58W (T8)	31	501 111 300 15	SIL-S 10W length 562mm / 568mm*	94
500 065 110 00	FD 44 241mm 6W (T5) no switch	31	501 111 400 41	SIL-S 18W length 862mm / 868mm*	94
500 065 120 00	FD 44 316mm 8W (T5) no switch	31	501 133 002 00	Corner lighting 8W/840 E27 for SlimLite CS	25
500 065 130 00	FD 44 545mm 13W (T5) no switch	31	501 133 003 00	Corner lighting 8W/840 E27 for FD5, FD7, FD8	25
500 065 140 00	FD 44 468mm 15W (T8) no switch	31	501 140 101 01	SlimLite-Profile 390mm anodised aluminium	24
500 065 150 00	FD 44 750mm 16W (T8) no switch	31	501 140 201 01	SlimLite-Profile 650mm anodised aluminium	24
500 065 160 00	FD 44 620mm 18W (T8) no switch	31	501 140 301 01	SlimLite-Profile 950mm anodised aluminium	24
500 065 170 00	FD 44 925mm 30W (T8) no switch	31	501 140 401 01	SlimLite-Profile 1250mm anodised aluminium	24
500 065 180 00	FD 44 1230mm 36W (T8) no switch	31	501 140 501 01	SlimLite-Profile 1550mm anodised aluminium	24
500 065 190 00	FD 44 1530mm 58W (T8) no switch	31	501 150 100 00	SlimLite CS 259mm 6W	17
			501 150 200 00	SlimLite CS 335mm 8W	17
501 000 501 02	MK 2 320mm 8W	29	501 150 300 00	SlimLite CS 595mm 14W HE	17
501 000 502 02	MK 2 550mm 13W	29	501 150 400 00	SlimLite CS 895mm 21W HE	17
501 000 503 02	MK 2 637mm 2x8W	29	501 150 500 00	SlimLite CS 1195mm 28W HE	17
501 000 504 02	MK 2 866mm 8+13W	29	501 150 600 00	SlimLite CS 1495mm 35W HE	17
501 000 505 02	MK 2 1095mm 2x13W	29	501 151 300 00	SlimLite CS 595mm 24W HO	17
501 000 531 02	MK 2 320mm 8W silver	29	501 151 400 00	SlimLite CS 895mm 39W HO	17
501 000 532 02	MK 2 550mm 13W silver	29	501 151 500 00	SlimLite CS 1195mm 54W HO	17
501 000 533 02	MK 2 637mm 2x8W silver	29	501 152 030 00	SlimLite CS 595mm 14W dimmable (1-10V)	17
501 000 534 02	MK 2 866mm 8+13W silver	29	501 152 040 00	SlimLite CS 895mm 21W dimmable (1-10V)	17
501 000 535 02	MK 2 1095mm 2x13W silver	29	501 152 050 00	SlimLite CS 1195mm 28W dimmable (1-10V)	17
501 070 902 02	FD 5 620mm 18W dimmable (1-10V)	33	501 152 060 00	SlimLite CS 1495mm 35W dimmable (1-10V)	17
501 070 902 12	FD 5 620mm 18W RGB	113	501 153 300 00	SlimLite CS Seamless 580 mm 24W HO	19
501 070 903 00	FD 5 925mm 30W dimmable (1-10V)	33	501 153 400 00	SlimLite CS Seamless 880 mm 39W HO	19
501 070 903 12	FD 5 925mm 30W RGB	113	501 153 500 00	SlimLite CS Seamless 1820 mm 54W HO	19
501 070 904 02	FD 5 1230mm 36W dimmable (1-10V)	33	501 220 101 01	AirLight 60 890mm 2x11W cw	40
501 070 904 12	FD 5 1230mm 36W RGB	113	501 220 101 02	AirLight 60 890mm 2x21W vww	40
501 070 905 00	FD 5 1530mm 58W dimmable (1-10V)	33	501 220 102 01	AirLight 60 1190mm 2x28W cw	40
501 070 905 12	FD 5 1530mm 58W RGB	113	501 220 102 02	AirLight 60 1190mm 2x28W vww	40
501 071 202 00	FD 5 620mm 18W dimmable (DALI)	33	501 230 102 01	Memphis Under-Cabinet Luminaire 600mm 14W cw	91
501 071 203 00	FD 5 925mm 30W dimmable (DALI)	33	501 230 103 01	Memphis Under-Cabinet Luminaire 900mm 21W cw	91
501 071 204 00	FD 5 1230mm 36W dimmable (DALI)	33	501 230 104 01	Memphis Under-Cabinet Luminaire 1200mm 28W cw	91
501 071 205 00	FD 5 1530mm 58W dimmable (DALI)	33	501 230 112 01	Memphis Under-Cabinet Luminaire 600mm 14W vww	91
501 071 301 00	FD 5 468mm 15W	33	501 230 113 01	Memphis Under-Cabinet Luminaire 900mm 21W vww	91
501 071 302 00	FD 5 750mm 16W	33	501 230 114 01	Memphis Under-Cabinet Luminaire 1200mm 28W vww	91
501 071 303 00	FD 5 620mm 18W	33	501 230 202 01	Memphis Wall Luminaire 600mm 14W cw	85
501 071 304 00	FD 5 925mm 30W	33	501 230 203 01	Memphis Wall Luminaire 900mm 21W cw	85
501 071 305 00	FD 5 1230mm 36W	33	501 230 204 01	Memphis Wall Luminaire 1200mm 28W cw	85
501 071 306 00	FD 5 1530mm 58W	33	501 230 212 01	Memphis Wall Luminaire 600mm 14W vww	85
501 092 200 10	FD 7 620mm 18W (T8) dimmable	35	501 230 213 01	Memphis Wall Luminaire 900mm 21W vww	85
501 092 201 10	FD 7 925mm 30W (T8) dimmable	35	501 230 214 01	Memphis Wall Luminaire 1200mm 28W vww	85
501 092 202 10	FD 7 1230mm 36W (T8) dimmable	35	501 290 104 11	Las Vegas Over-cabinet luminaire 18W chrome	70
501 092 203 10	FD 7 1530mm 58W (T8) dimmable	35	501 290 107 01	Las Vegas Over-cabinet luminaire 18W anodised aluminium	70
501 092 204 10	FD 7 1475mm 35/49/80W (T5) dimmable	35	501 290 204 01	Las Vegas Mirror light 18W chrome	70
501 092 205 10	FD 7 875mm 21/39W (T5) dimmable	35	501 290 207 01	Las Vegas Mirror light 18W anodised aluminium	70
501 092 205 20	FD 7 875mm 21/39W (T5) dimmable	35	501 320 106 01	Boston 800mm 2x9W Dulux	92
501 092 206 10	FD 7 575mm 14W (T5)	35	501 320 106 11	Boston 800mm 1x14W T5	92
501 092 206 20	FD 7 1175mm 28/54W (T5) dimmable	35	501 320 206 01	Boston 1200mm 3x9W Dulux	92
501 092 218 02	FD 7 1475mm 35/49/80W (T5) dimmable	35	501 320 206 11	Boston 1200mm 1x21W T5	92
501 093 104 00	FD 7 470mm 15W (T8)	35	501 360 200 01	GS 2 450 mm 8W T5 anodised aluminium	84
501 093 105 00	FD 7 750mm 16W (T8)	35	501 360 201 01	GS 2 600 mm 14W T5 HE anodised alu	84
501 093 106 00	FD 7 620mm 18W (T8)	35	501 360 203 01	GS 2 900 mm 21W T5 HE anodised alu	84
501 093 107 00	FD 7 925mm 30W (T8)	35	501 360 204 01	GS 2 1200 mm 28W T5 HE anodised alu	84
501 093 108 00	FD 7 1230mm 36W (T8)	35	501 360 401 08	GS 2 450 mm 8W T5 stainless steel	84
501 093 109 00	FD 7 1530mm 58W (T8)	35	501 360 402 08	GS 2 600 mm 14W T5 HE stainless steel	84
501 093 322 00	FD 7 875mm 21W (T5)	35	501 360 403 08	GS 2 900 mm 21W T5 HE stainless steel	84
501 093 323 00	FD 7 1175mm 28W (T5)	35	501 360 404 08	GS 2 1200 mm 28W T5 HE stainless steel	84
501 093 324 00	FD 7 1475mm 35W (T5)	35	501 370 106 01	Boston R 800mm 2x9W Dulux	93
501 100 106 30	FD 8 620mm 18W (T8) dimmable	39	501 370 106 11	Boston R 800mm 1x14W T5	93
501 100 107 30	FD 8 925mm 30W (T8) dimmable	39	501 370 206 01	Boston R 1200mm 3x9W Dulux	93
501 100 108 30	FD 8 1230mm 36W (T8) dimmable	39	501 370 206 11	Boston R 1200mm 1x21W T5	93
501 100 109 30	FD 8 1530mm 58W (T8) dimmable	39	501 470 101 02	Gamma 600mm 14W vww stainless steel	90
501 100 203 00	FD 8 875mm 21/39W (T5) dimmable	37	501 470 102 02	Gamma 900mm 21W vww stainless steel	90
501 100 204 00	FD 8 1175mm 28/54W (T5) dimmable	37	501 470 103 02	Gamma 1200mm 28W vww stainless steel	90
501 100 205 00	FD 8 1475mm 35/49/80W (T5) dimmable	37	501 470 201 02	Gamma 600mm 14W vww anodised alu	90
501 100 306 00	FD 8 620mm 18W (T8)	39	501 470 202 02	Gamma 900mm 21W vww anodised alu	90
501 100 307 00	FD 8 925mm 30W (T8)	39	501 470 203 02	Gamma 1200mm 28W vww anodised alu	90
501 100 308 00	FD 8 1230mm 36W (T8)	39			
501 100 309 00	FD 8 1530mm 58W (T8)	39			
501 100 401 00	FD 8 575mm 14W (T5) HE	37			
501 100 402 00	FD 8 875mm 21W (T5) HE	37			
501 100 403 00	FD 8 1175mm 28W (T5) HE	37			
501 100 404 00	FD 8 1475mm 35W (T5) HE	37			
501 100 501 00	FD 8 575mm 24W (T5) HO	37			
501 100 502 00	FD 8 875mm 39W (T5) HO	37			
501 100 503 00	FD 8 1175mm 54W (T5) HO	37			
501 100 504 00	FD 8 1475mm 49W (T5) HO	37			

Index by article number

Article No.	Product	Page	Article No.	Product	Page
502 005 000 04	S 316 M plug	132	530 010 100 13	SIL 7W length 560mm shorten at 468mm	94
502 008 010 01	Front cover set SlimLite-Profile anodised alu	24	530 020 100 13	SIL 10W length 735mm shorten at 548mm	94
			530 030 100 32	SIL 18W length 1200mm shorten at 723mm	94
506 110 301 01	EB5-4 D with 1m Euro plug + 0.3m Euro coupling	135	531 050 110 01	Futura Plus R 1 900mm stainless steel Fluorescent	98
506 110 301 02	EB5-4 D without sensor cable	135	531 050 110 02	Futura Plus R 2 900mm stainless steel Fluorescent (only Switch)	98
506 110 303 11	EB5-4 D with sensor cable 2m and ring terminal M4	135	531 050 110 03	Futura Plus R 3 900mm stainless steel LED (only Switch)	98
506 110 700 14	Sensor area ARF chrome	135	531 050 110 04	Futura Plus R 4 900mm stainless steel Halogen (only Switch)	98
506 110 700 16	Sensor area ARF stainless steel	135	531 050 110 05	Futura Plus R 5 1000mm stainless steel Fluorescent	98
506 110 700 17	Sensor area ARF matt chrome	135	531 050 110 06	Futura Plus R 6 1000mm stainless steel Fluorescent (only Switch)	98
506 111 100 08	Sensor plate 51mm stainless steel	135	531 050 110 07	Futura Plus R 7 1000mm stainless steel LED	99
506 120 601 01	IR-S with sensor K 59 Euro	137	531 050 110 08	Futura Plus R 8 1000mm stainless steel Halogen	99
506 120 601 05	IR-S with sensor K 59 AE	137	531 050 110 09	Futura Plus R 9 1200mm stainless steel Fluorescent	99
506 120 602 03	IR-S with sensor K 60 AE	137	531 050 110 10	Futura Plus R 10 1200mm stainless steel Fluorescent (only Switch)	99
506 120 602 06	IR-S with sensor K 60 Euro	137	531 050 110 11	Futura Plus R 11 1200mm stainless steel LED (only Switch)	99
506 120 603 02	IR-S with sensor K 80 Euro	137	531 050 110 12	Futura Plus R 12 1200mm stainless steel Halogen (only Switch)	99
506 120 603 03	IR-S with sensor K 80 AE	137			
506 120 701 01	IR-S2 with 2 sensors K 59 Euro	137	610 001 300 91	EH 24 white	60
506 120 702 01	IR-S2 with 2 sensors K 60 Euro	137	610 001 300 94	EH 24 chrome	60
506 120 703 01	IR-S2 with 2 sensors K 80 Euro	137	610 001 300 95	EH 24 gold	60
506 120 801 01	IR-DS with sensor K 59 Euro	137	610 001 300 96	EH 24 stainless steel	60
506 120 801 02	IR-DS with sensor K 59 AE	137	610 001 300 98	EH 24 matt chrome	60
506 120 802 13	IR-DS with sensor K 60 AE	137	610 001 901 04	EH 52 chrome	61
506 120 802 15	IR-DS with sensor K 60 Euro	137	610 001 901 06	EH 52 matt chrome	61
506 120 803 04	IR-DS with sensor K 80 Euro	137	610 001 901 08	EH 52 stainless steel	61
506 120 803 08	IR-DS with sensor K 80 AE	137	610 002 501 01	EH 24-LED 2 3x1W cw white	47
506 120 901 01	IR-DS2 with 2 sensors K 59 Euro	137	610 002 501 04	EH 24-LED 2 3x1W cw chrome	47
506 120 902 01	IR-DS2 with 2 sensors K 60 Euro	137	610 002 501 06	EH 24-LED 2 3x1W cw matt chrome	47
506 120 903 01	IR-DS2 with 2 sensors K 80 Euro	137	610 002 501 08	EH 24-LED 2 3x1W cw stainless steel	47
506 171 001 01	RGB – S 110 control module	113	610 002 502 01	EH 24-LED 2 3x1W vww white	47
506 171 002 01	RGB – F 110 control module with IR remote control	113	610 002 502 04	EH 24-LED 2 3x1W vww chrome	47
			610 002 502 06	EH 24-LED 2 3x1W vww stainless steel	47
506 172 001 01	RGB – V 110 Amplifier module for luxury control	113	610 002 601 01	EH 24-LED Spot 3x1W cw white	47
			610 002 601 04	EH 24-LED Spot 3x1W cw chrome	47
506 173 001 01	Botex luxury control	113	610 002 601 06	EH 24-LED Spot 3x1W cw matt chrome	47
506 180 401 01	Mounting dimmer switch (1-10V)	138	610 002 601 08	EH 24-LED Spot 3x1W cw stainless steel	47
506 180 501 06	ARF-Dimmer (1-10V) matt chrome	138	610 002 602 01	EH 24-LED Spot 3x1W vww white	47
506 180 501 08	ARF-Dimmer (1-10V) stainless steel	138	610 002 602 04	EH 24-LED Spot 3x1W vww chrome	47
506 220 320 01	105-44N-2ST socket, 2-way	31	610 002 602 06	EH 24-LED Spot 3x1W vww matt chrome	47
506 230 320 00	105-44N-ST/S socket, 1-way with central switch	31	610 002 602 08	EH 24-LED Spot 3x1W vww stainless steel	47
506 602 010 01	Luxor ST/S D stainless steel	140	610 003 802 41	ARF 68 20W white	65
506 602 012 01	Luxor ST/S F/B stainless steel	140	610 003 802 43	ARF 68 20W black	65
506 602 070 03	Luxor ST/S D matt chrome	140	610 003 802 44	ARF 68 20W chrome	65
506 602 072 01	Luxor ST/S F/B matt chrome	140	610 003 802 45	ARF 68 20W gold	65
506 602 110 03	Luxor 2ST D stainless steel	140	610 003 802 46	ARF 68 20W stainless steel	65
506 602 112 01	Luxor 2ST F/B stainless steel	140	610 003 802 47	ARF 68 20W matt chrome	65
506 602 170 01	Luxor 2ST D matt chrome	140	610 004 020 04	ARF 78 20W chrome	65
506 602 172 01	Luxor 2ST F/B matt chrome	140	610 004 020 06	ARF 78 20W matt chrome	65
506 603 010 01	Alpha ST/S D stainless steel	141	610 004 020 08	ARF 78 20W stainless steel	65
506 603 012 00	Alpha ST/S F/B stainless steel	141	610 004 111 24	KB 12 10W chrome	63
506 603 070 04	Alpha ST/S D matt chrome	141	610 004 111 26	KB 12 10W matt chrome	63
506 603 072 02	Alpha ST/S F/B matt chrome	141	610 004 111 28	KB 12 10W stainless steel	63
506 604 180 01	Delta 3ST/S D 500mm stainless steel	139	610 004 121 21	KB 12 20W white	63
506 604 180 03	Delta 3ST/S D 580mm stainless steel	139	610 004 121 23	KB 12 20W chrome	63
	can be cut to length up to 350mm	139	610 004 121 24	KB 12 20W chrome	63
506 604 380 01	Delta 3ST D 479mm stainless steel	139	610 004 121 25	KB 12 20W gold	63
	can be cut to length up to 270mm	139	610 004 121 26	KB 12 20W matt chrome	63
			610 004 121 28	KB 12 20W stainless steel	63
515 000 370 01	Mounting ring (K106) white	65	610 004 720 04	ARF-Q78 20W chrome	67
515 000 370 03	Mounting ring (K106) black	65	610 004 720 06	ARF-Q78 20W matt chrome	67
515 000 370 04	Mounting ring (K106) chrome	55	610 004 720 08	ARF-Q78 20W stainless steel	67
515 000 370 05	Mounting ring (K106) gold	65	610 004 750 06	ARF-QB 20W matt chrome	67
515 000 370 06	Mounting ring (K106) matt chrome	55	610 004 750 08	ARF-QB 20W stainless steel	67
515 000 370 08	Mounting ring (K106) stainless steel	55	610 005 901 04	ARF 78-LED 2 3x1W cw chrome	55
515 000 380 04	Mounting ring (K 200) chrome	57	610 005 901 06	ARF 78-LED 2 3x1W cw matt chrome	55
515 000 380 06	Mounting ring (K 200) matt chrome	57	610 005 901 08	ARF 78-LED 2 3x1W cw stainless steel	55
515 000 380 08	Mounting ring (K 200) stainless steel	57	610 005 902 04	ARF 78-LED 2 3x1W vww chrome	55
515 000 390 01	Mounting ring (K64) white	51	610 005 902 06	ARF 78-LED 2 3x1W vww matt chrome	55
515 000 390 03	Mounting ring (K64) black	51	610 005 902 08	ARF 78-LED 2 3x1W vww stainless steel	55
515 000 390 04	Mounting ring (K64) chrome	51	610 008 200 68	UL 1 20W stainless steel	100
515 000 390 05	Mounting ring (K64) gold	51			
515 000 390 06	Mounting ring (K64) matt chrome	51			
515 000 390 08	Mounting ring (K64) stainless steel	51			
515 000 410 26	Sensor head 12mm matt chrome	135			
515 000 416 38	Sensor angle 12mm stainless steel	135			
515 000 511 04	Rocker switch ARF chrome	134			
515 000 511 06	Rocker switch ARF matt chrome	134			
515 000 511 08	Rocker switch ARF stainless steel	134			
515 000 601 02	Recessed switch SEH round	133			
515 000 610 02	Mounting switch SAH round	133			

Index by article number

Article No.	Product	Page
610 008 401 08	UL 1-LED 1,6W ww stainless steel	106
610 009 601 06	Vario LED 2W (25 LED) cw matt chrome	101
610 009 601 08	Vario LED 2W (25 LED) cw stainless steel	101
610 009 602 06	Vario LED 2W (25 LED) ww matt chrome	101
610 009 602 08	Vario LED 2W (25 LED) ww stainless steel	101
610 009 603 06	Vario LED 2W (25 LED) cw matt chrome with switch	101
610 009 603 08	Vario LED 2W (25 LED) cw stainless steel with switch	101
610 009 604 06	Vario LED 2W (25 LED) ww matt chrome with switch	101
610 009 604 08	Vario LED 2W (25 LED) ww stainless steel with switch	101
610 009 701 06	Vario 20W matt chrome	103
610 009 701 08	Vario 20W stainless steel	103
610 009 702 06	Vario 20W with switch matt chrome	103
610 009 702 08	Vario 20W with switch stainless steel	103
610 009 820 07	DK 3 20W anodised aluminium	105
610 010 100 27	LED Eye 355 1W ww anodized alu	45
610 010 100 28	LED Eye 355 1W ww stainless steel	45
610 010 102 07	LED Eye 45D 1W ww aluminium	45
610 010 103 07	LED Eye 65S 1W ww aluminium	45
610 010 104 07	LED Eye 65D 1W ww aluminium	45
610 010 105 03	LED Eye 25S 1W ww black	45
610 010 105 07	LED Eye 25S 1W ww anodized alu	45
610 010 110 27	LED Eye 35S 1W cw anodized alu	45
610 010 110 28	LED Eye 35S 1W cw stainless steel	45
610 010 112 07	LED Eye 45D 1W cw aluminium	45
610 010 113 07	LED Eye 65S 1W cw aluminium	45
610 010 114 07	LED Eye 65D 1W cw aluminium	45
610 010 115 03	LED Eye 25S 1W cw black	45
610 010 115 07	LED Eye 25S 1W cw anodized alu	45
610 010 410 16	LED Point 1W cw (cool white)	82
610 010 420 16	LED Point 1W ww (warm white)	82
610 010 800 01	LED Flat-Stick 250mm 3,0W ww	80
610 010 800 02	LED Flat-Stick 250mm 3,0W cw	80
610 010 801 01	LED Flat-Stick 350mm 4,4W ww	80
610 010 801 02	LED Flat-Stick 350mm 4,4W cw	80
610 010 802 01	LED Flat-Stick 550mm 7,4W ww	80
610 010 802 02	LED Flat-Stick 550mm 7,4W cw	80
610 010 803 01	LED Flat-Stick 850mm 11,8W ww	80
610 010 803 02	LED Flat-Stick 850mm 11,8W cw	80
610 010 804 01	LED Flat-Stick 950mm 13,2W ww	80
610 010 804 02	LED Flat-Stick 950mm 13,2W cw	80
610 010 805 01	LED Flat-Stick 1150mm 16,2W ww	80
610 010 805 02	LED Flat-Stick 1150mm 16,2W cw	80
610 010 806 01	LED Flat-Stick 450mm 6,0W ww	80
610 010 850 01	LED Flat-Stick IR 400mm 4,4W ww	80
610 010 851 01	LED Flat-Stick IR 600mm 7,4W ww	80
610 010 852 01	LED Flat-Stick IR 900mm 11,8W ww	80
610 010 853 01	LED Flat-Stick IR 1200mm 16,2W ww	80
610 011 001 04	ARF-Q LED 4x1W cw chrome	57
610 011 001 06	ARF-Q LED 4x1W cw matt chrome	57
610 011 001 08	ARF-Q LED 4x1W cw stainless steel	57
610 011 002 04	ARF-Q LED 4x1W ww chrome	57
610 011 002 06	ARF-Q LED 4x1W ww matt chrome	57
610 011 002 08	ARF-Q LED 4x1W ww stainless steel	57
610 011 101 04	KB 12-LED 1,6W cw chrome	51
610 011 101 06	KB 12-LED 1,6W cw matt chrome	51
610 011 101 08	KB 12-LED 1,6W cw stainless steel	51
610 011 102 04	KB 12-LED 1,6W ww chrome	51
610 011 102 06	KB 12-LED 1,6W ww matt chrome	51
610 011 102 08	KB 12-LED 1,6W ww stainless steel	51
610 011 201 04	ARF 68-LED 2 3x1W cw chrome	55
610 011 201 06	ARF 68-LED 2 3x1W cw matt chrome	55
610 011 201 08	ARF 68-LED 2 3x1W cw stainless steel	55
610 011 202 04	ARF 68-LED 2 3x1W ww chrome	55
610 011 202 06	ARF 68-LED 2 3x1W ww matt chrome	55
610 011 202 08	ARF 68-LED 2 3x1W ww stainless steel	55
610 011 301 04	ARF 68-LED Spot 3x1W cw chrome	55
610 011 301 06	ARF 68-LED Spot 3x1W cw matt chrome	55
610 011 301 08	ARF 68-LED Spot 3x1W cw stainless steel	55
610 011 302 04	ARF 68-LED Spot 3x1W ww chrome	55
610 011 302 06	ARF 68-LED Spot 3x1W ww matt chrome	55
610 011 302 08	ARF 68-LED Spot 3x1W ww stainless steel	55
610 011 603 07	DK 3-LED 4W (48LED) anodised aluminium	104
610 011 701 06	Bergamo 1,6W cw matt chrome	71
610 011 701 08	Bergamo 1,6W cw stainless steel	71
610 011 702 06	Bergamo 1,6W ww matt chrome	71
610 011 702 08	Bergamo 1,6W ww stainless steel	71
610 011 801 01	GDS 1-LED 600mm 1,6W cw	81
610 011 802 01	GDS 1-LED 900mm 2,4W cw	81

Index by article number

Article No.	Product	Page
610 521 300 18	set of 3 UL 1 20W stainless steel	107
610 521 500 18	set of 5 UL 1 20W stainless steel	107
610 524 030 28	set of 3 UL 1 20W stainless steel with switch	107
610 544 302 08	set of 3 KB 12-LED 1,6W ww stainless steel	51
610 545 300 08	set of 3 UL 1-LED 1,6W ww stainless steel	106
610 546 300 08	set of 3 UL 1-LED 1,6W ww with switch stainless steel	106
610 547 038 01	set of 3 ER-LED 1,2W cw stainless steel	49
610 547 038 02	set of 3 ER-LED 1,2W ww stainless steel	49
610 547 058 01	set of 5 ER-LED 1,2W cw stainless steel	49
610 547 058 02	set of 5 ER-LED 1,2W ww stainless steel	49
610 547 078 01	set of 7 ER-LED 1,2W cw stainless steel	49
610 547 078 02	set of 7 ER-LED 1,2W ww stainless steel	49
610 547 238 01	set of 3 EQ-LED 1,2W cw stainless steel	49
610 547 238 02	set of 3 EQ-LED 1,2W ww stainless steel	49
610 547 258 01	set of 5 EQ-LED 1,2W cw stainless steel	49
610 547 258 02	set of 5 EQ-LED 1,2W ww stainless steel	49
610 547 278 01	set of 7 EQ-LED 1,2W cw stainless steel	49
610 547 278 02	set of 7 EQ-LED 1,2W ww stainless steel	49
610 548 032 01	set of 3 LED ADD-ON 3W ww anodised alu	88
610 548 032 11	set of 3 LED ADD-ON 3W ww with switch anodised aluminium	88
610 549 038 02	set of 3 R 68-LED 2,5W ww stainless steel	53
610 549 058 02	set of 5 R 68-LED 2,5W ww stainless steel	53
610 549 238 02	set of 3 Q 68-LED 2,5W ww stainless steel	53
610 549 258 02	set of 5 Q 68-LED 2,5W ww stainless steel	53
615 000 301 01	Mounting spring ARF 68/78/Q	53
615 000 302 01	LED Profile for Glass Shelves 410mm	75
615 000 302 02	LED Profile for Glass Shelves 560mm	75
615 000 302 03	LED Profile for Glass Shelves 860mm	75
615 000 302 04	LED Profile for Glass Shelves 1160mm	75
615 000 302 06	LED Profile for Glass Shelves 760mm	75
615 000 302 07	LED Profile for Glass Shelves 960mm	75
615 000 302 51	LED Profile for Glass Shelves 1950mm set of 10	75
615 000 303 01	Over-Cabinet mounting bracket Vario	101
615 002 002 94	Transformer VEGA K 70 20 – 70W Euro	118
615 002 007 04	Transformer MBL 120 20 – 120W	122
615 002 010 15	Transformer Puma 105 20 – 105W Euro	121
615 002 010 18	Transformer Puma 105	121
615 002 010 19	Transformer Puma 105 20 – 105W AE	121
615 002 015 09	Transformer VEGA K 70 20 – 70W AE	118
615 002 016 01	Transformer MBL/F 60 10 – 60W Euro	117
615 002 016 07	Transformer MBL/F 60	117
615 002 016 08	Transformer MBL/F 60 10 – 60W AE	117
615 002 019 01	Transformer MBL/F 105 35 – 105W Euro	120
615 002 019 03	Transformer MBL/F 105	121
615 002 019 04	Transformer MBL/F 105 35 – 105W AE	120
615 002 021 01	Transformer WX 150 30 – 150W	123
615 002 022 11	Transformer SET 60LT 20 – 60W	116
615 002 023 04	Transformer SET 105LT 35 – 105W	119
615 003 006 02	Transformer LED 24/60W DC 24V	129
615 003 006 04	Transformer LED 24/60W DC 24V with 12-way distributor AE	129
615 003 007 02	Transformer LED 24/15W DC 24V dimmable (1-10V)	127
615 003 007 05	Transformer LED 24/15W DC 24V 12-way distributor AE	127
615 003 007 06	Transformer LED 24/15W DC 24V 12-way distributor	127
615 003 007 09	Transformer LED 24/15W DC 24V dimmable (Radio Controller)	127
615 003 008 02	Transformer LED 24/15W DC 24V dimmable (1-10V)	127
615 003 008 03	Transformer LED 24/30W DC 24V with 12-way distributor AE	128
615 003 008 05	Transformer LED 24/30W DC 24V with 12-way distributor Euro dimmable (radio controller)+amplifier	128
615 003 008 06	Transformer LED 24/15W DC 24V dimmable (Radio Controller)	127
615 003 009 01	Transformer LED 350/9W 3-way distributor + 2 short circuit plugs AE	124
615 003 009 02	Transformer LED 350/9W 9-way distributor + 8 short circuit plugs AE	124
615 003 009 03	Transformer LED 350/9W 3-way distributor with Euro plug	124
615 003 009 04	Transformer LED 350/9W 9-way distributor with Euro plug	124
615 003 009 05	Transformer LED 350/9W 3-way distributor + 2 short circuit plugs HVLCs	124



