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LED LIGHTING (E) 2010. 04/(01) 2010. 04 Printed in Korea TMB Strategy
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YOU CAN SEE, FEEL AND CONTROL THE LIGHT

LED lightning, brighter, longer and more environment-friendly than existing apparatuses, From now on, LED lighting will illuminate everywhere around us.



New level of LED Lighting offered by LS - **Lemmings**

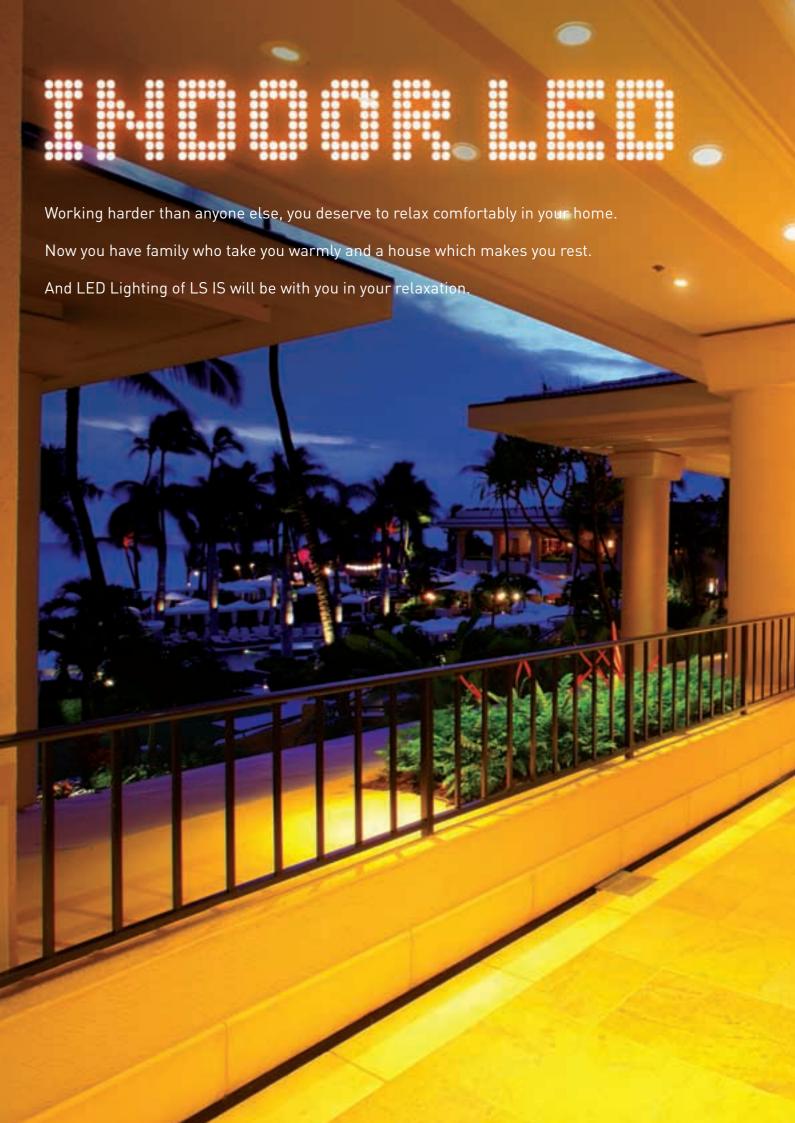
LS Industrial systems, No. 1 vendor in industrial electronics/electrics, now presents LED DIMMING technology designed by PLANET, its subsidiary with top LED technology in Korea. **Lemmings** will transform the world more beautiful and convenient with its new design and PLC (Power Line Communication) technology.

LS Industrial systems will create a new world of LED Lighting with **Lemmings**.

(Lemmings is a lighting apparatus with beautiful design and remote controllable functionalities thanks to patented PLC technology of LS Industrial systems which has acquired diverse patents on it)

What is **Lemmings**?







Features of LS Indoor LED

It has different design.

Exceptional design

- Luxurious and voluptuous design
- Aesthetical design thanks to Color Coordination
- Received Good Design Award 2009 in Japan
- Awarded iF Design Award 2010

Digital & Network Control

- Color temperature control and dimming control
- Network Control & Block/ Auto Dimming
- Integrated lighting control system based on PLC technology

Design of enhancing lighting efficiency and light distribution

- Excellent lighting efficiency and light distribution thanks to lens structure and cover design
- Excellent lighting efficiency

LS IS has various patents related to LED products.

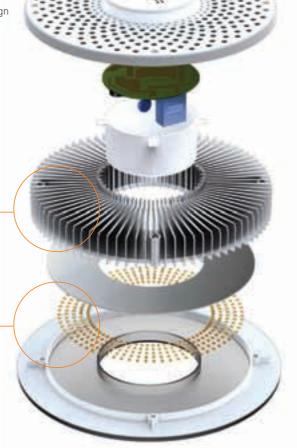


Patents related to heat sink

Date of Application	Patent Number	Name
November 17, 2008	10-2008-0114113	Heat sink structure of LED Lamp
November 17, 2008	10-2008-0114119	Heat sink structure of LED Lamp
November 17, 2008	10-2008-0114149	Heat sink structure of LED Lamp using convection

Patents related to lighting

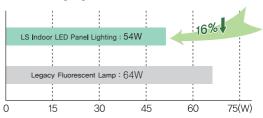
Date of Application	Patent Number	Name
November 17, 2008	10-2008-0114127	Light Emitting Diode Lamp
November 17, 2008	10-2008-0114132	Light Emitting Diode Lamp
November 17, 2008	10-2008-0114146	Anti-glare lamp

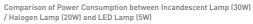


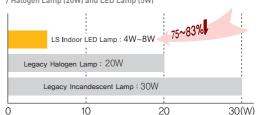
Long lamp life and low power consumption.

LED Lamp is also very effective in energy-savings as its power consumption is about 80% less than existing lightings









LED Lamp has different image control functionalities.

- Excellent lighting efficiency / lighting distribution thanks to lens structure / cover design
- High lighting efficiency: 55 75 lm/w
 Anti-ql
 - Anti-glare design

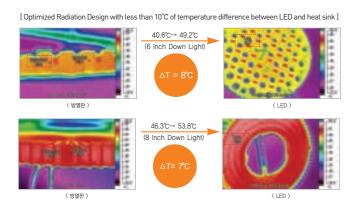
You can easily replace existing lightings with LED Lamp.

- Replace local lightings such as fluorescent lamps (32Wx2), incandescent lamps, CFL or Halogen lamps.
- Replace existing lamps while using existing E26/27 / GU5.3 bases

LED Lamp has different heat sink design.

Innovative heat sink structure / design

- Honeycomb heat sink structure
 - : Improve heat dissipation up to 50%.
- Guaranteed long life thanks to excellent heat sink structure and high efficiency capacitor
 - Digital UI / Network Control such as Dimming, Color Temperature, Color
 - Patented Network Interface Technology such as PLT / AL-Bus



You can adjust light intensity freely with dimming technology.

- Easy to adjust light intensity step-by-step by using diverse remote controls.
- Economic aspect : energy-savings
- Minimum intensity: 3%, 8%, 20%, 40%, 60%, 80%, 100%









100% Max 80%Hi. Med.

d. 40% Low. Med.

3% Min.

You can easily adjust color temperature.

You can control color temperature and light intensity according to your sensibility, environment and taste



LED Lamp is environment-friendly, as it has no harmful material.

This is an environment-friendly with no toxic materials such as mercury or lead. As this product emits no electromagnetic waves or harmful UV ray for your health and environment, you can use it without worry.







DOWNLIGHT 3"

- Long lifetime(LED & Power/Control circuit),
 - Capacitor less(DC Type) & High efficiency capacitor(AC Type)
- Convection type heat radiation
- Various Color Design
- Recessed down Light(4~4.3W) Replace conventional lamp 15W







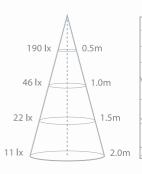


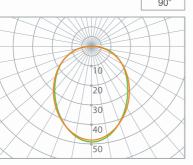
70.2		
		47
56.5	12	
90		





Model	PD3DC	PD3A
Product Code	LLDL03-A04DC	LLDL
Rated Voltage (V)	DC 12V	AC 10
Power Consumption (W)	4W	4.3W
Dimension (mm)	ø70×47mm	ø70>
Luminance Flux (lm)	220 lm	237 lr
Luminance efficiency (Im/W)	55 lm/W	
View angle (°)	90°	
Color rendition	75 ↑	
Hole size (ø)	ø70	
Color Temperature (K)	3,000K / 5,500K Available	





PD3AC

4.3W ø70×65mm 237 lm

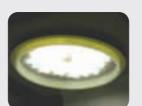
LLDL03-A04AC

AC 100~240V / 5~60Hz

DOWNLIGHT 6"

- Long lifetime(LED & Power/Control circuit) No Use Capacitor
- Convection type heat radiation
- Slim type structure
- Prevent direct glare affecting the occupants

• Recessed down Light(18W) - Replace conventional lamp 26W



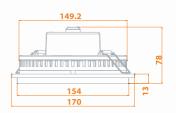






Color Variation

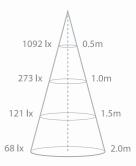
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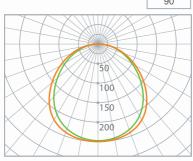






Model	PD6AC
Product Code	LLDL06-K18AC
Rated Voltage (V)	AC 220V / 60Hz
Power Consumption (W)	18W
Dimension (mm)	ø149.2×78mm
Luminance Flux (lm)	1,080 lm (5,700K기준)
Luminance efficiency (lm/W)	60 lm/W
View angle (°)	90°
Color rendition	75↑
Hole size (ø)	ø150
Color Temperature (K)	3,000K / 5,700K Available





DOWN LIGHT 8"

- Long lifetime(LED & Power/Control circuit) No Use Capacitor
- Convection type heat radiation
- Ultra slim & smart design
- Recessed down Light(28W)
 - Replace 40~60W conventional lamp



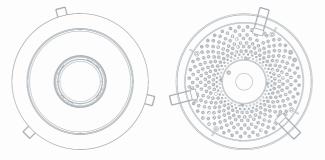




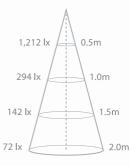


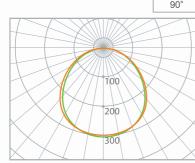


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		09
177.8 228		15



Model	PD8AC
Product Code	LLDL08-K28AC
Rated Voltage (V)	AC 220V / 60Hz
Power Consumption (W)	28W
Dimension (mm)	ø199.2×60mm
Luminance Flux (lm)	1,680 lm (at 5,700K)
Luminance efficiency (Im/W)	60 lm/W
View angle (°)	90°
Color rendition	75 †
Hole size (ø)	ø200
Color Temperature (K)	3,000K / 5,700K Available





DOWN LIGHT 12"

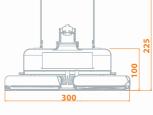
- Long lifetime(LED & Power/Control circuit) No Use Capacitor
- Convection type heat radiation
- Ultra slim & smart design
- Recessed down Light(56/80W) Replace 80~120W conventional light
- Use for industrial & Building





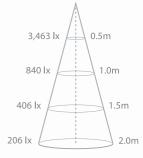


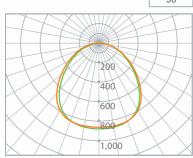
Model	PHC12	PHC12
Product Code	LLDL12-K56AC	LLDL12-K80AC
Rated Voltage (V)	AC 220V / 60Hz	AC 220V / 60Hz
Power Consumption (W)	56W	80W
Dimension (mm)	ø300×100mm	ø300×100mm
Luminance Flux (Im)	3,920 lm (at 5,700K)	5,600 lm (at 5,700K)
Luminance efficiency (lm/W)	70 lm/W	
View angle (°)	90°	
Color rendition	75↑	
Hole size (ø)	ø70	
Color Temperature (K)	3,000K / 5,700K Available	











LAMP 5W/8W

- High Efficiency Certification(Korea)
- Convection type heat radiation
- iF Design Award 2009
- Replace Halogen / incandescent lamp
- RoHS Compliance





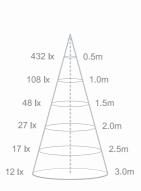


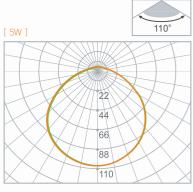


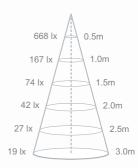


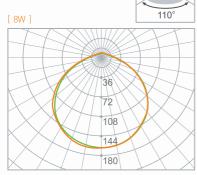
Model	
Product Code	
Rated Voltage (V)	
Power Consumption (W)	
Dimension (mm)	
Luminance Flux (lm)	
Luminance efficiency (lm/W)	
View angle (°)	
Color rendition	
Color Temperature((K)	

LNB70-05C301A	LNB70-08C301A	
LLP16-K05ACC	LLP20-K08ACC	
AC 220V / 60Hz	AC 220V / 60Hz	
5W	8W	
ø70×124mm	ø70×134mm	
325 lm	520 lm	
65 lm/W		
110°		
70~80		
5,000K		









LAMP 15W

- High Efficiency Certification(Korea)
- Convection type heat radiation
- iF Design Award 2009
- Replace Halogen / incandescent lamp
- RoHS Compliance



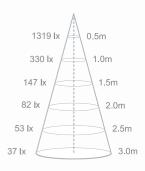


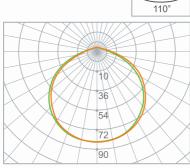






Model	LNB96-15C301A
Product Code	LLP30-K15ACC
Rated Voltage (V)	AC 220V / 60Hz
Power Consumption (W)	15W
Dimension (mm)	ø96×149mm
Luminance Flux (lm)	1,050 lm
Luminance efficiency (Im/W)	70 lm/W
View angle (°)	110°
Color rendition	70~80
Color Temperature (K)	5,000K





MR16 3.5W

- High Efficiency Certification(Korea)
- iF Design Award 2009
- Slim & Modern Design
- Replace 20~50W Halogen / incandescent lamp
- RoHS Compliance



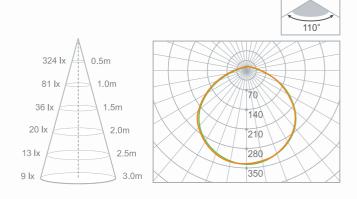








Model	LTM16-03H301A
Product Code	LLMR-A03DCC
Rated Voltage (V)	AC / DC12V
Power Consumption (W)	3.5W
Dimension (mm)	ø50×48.5mm
Luminance Flux (lm)	228 lm
Luminance efficiency (lm/W)	65 lm/W
View angle (°)	110°
Color rendition	70~80
Color Temperature (K)	5,000K



MR16 4W/6W

- High Efficiency Certification(Korea)
- Slim & Modern Design

• Replace 20~50W Halogen / incandescent lamp

(Launching in August, '10)

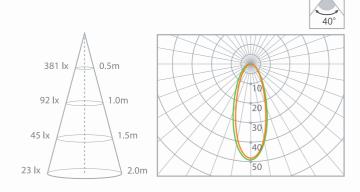






Model	PLMR4DC	PLMR6DC	
Product Code	LLMR-K04DC	LLMR-K06DC	
Rated Voltage (V)	AC / DC 12V		
Power Consumption (W)	4W	6W	
Dimension (mm)	ø46×38mm		
Luminance Flux (lm)	200 lm	330 lm	
Luminance efficiency (lm/W)	50 lm/W	55 lm/W	
View angle (°)	40°		
Color rendition	70 †		
Color Temperature (K)	3,000K / 5,700K Available		

Using dedicated LED converter is recommended



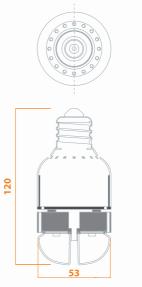
BULB

- ANY-DIM function is built-in
- Convection type heat radiation
- Slim & Modern Design
- Replace 40~60W incandescent lamp

(Launching in June, '10)



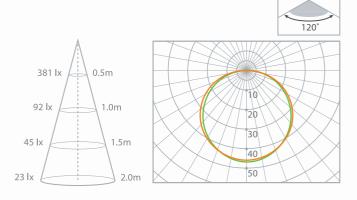








Model	PLB2AC
Product Code	LLBU-A07AC
Rated Voltage (V)	AC 90~264V / 5~60Hz Common
Power Consumption (W)	7.5W
Dimension (mm)	ø70×65mm
Luminance Flux (lm)	413 lm (at 5,700K)
Luminance efficiency (lm/W)	55 lm/W
View angle (°)	120°
Color rendition	70 ↑
Color Temperature (K)	3,000K / 5,700K Available



TUBE (Compatible with ballast)

- Long lifetime(LED & Power/Control circuit) No Use Capacitor
- Convection type heat radiation
- Slim Line Design
- Independent power supply
- Using electronic ballast is available

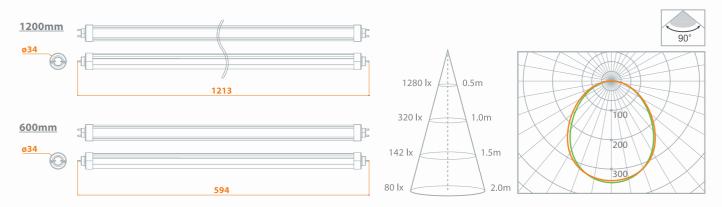






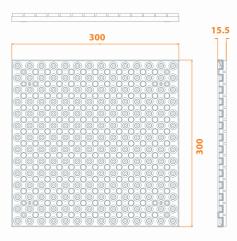


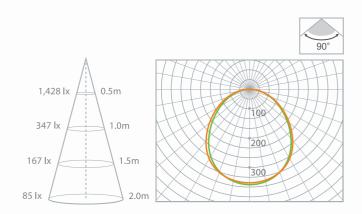
Model	PT600DC	PT1200DC	PT1200DC
Product Code	LLT6033-A15DC	LLT1233-A21DC	LLT1233-A26DC
Rated Voltage (V)	Depends on ballast output-voltage		
Power Consumption (W)	15W	21W	26W
Dimension (mm)	ø33.5×580mm	ø33.5×1198mm	
Luminance Flux (lm)	900 lm	1,470 lm	1,820 lm
Luminance efficiency (lm/W)	60 lm/W	70 lm/W	70 lm/W
View angle (°)	90°		
Color rendition	70 †		
Color Temperature (K)	3,000K / 5,700K Available		



Ocnvection type heat radiation Ultra slim & smart design 300 X 300(mm) Multi-type Replace (2-32Wx2) fluorescent lamps (Launching in November, '10)

Model	PFB
Product Code	LLFD3030-A18AC
Rated Voltage (V)	AC 100~220V / 5~60Hz
Power Consumption (W)	18W(300X300mm)/64W(600X600mm)/64W(300X1,200mm)
Dimension (mm)	300×300mm
Luminance Flux (lm)	825 lm
Luminance efficiency (Im/W)	55 lm/W
View angle (°)	90°
Color Temperature (K)	3,000K / 5,700K Available
Option	Dimming function: Optional





DIRECT

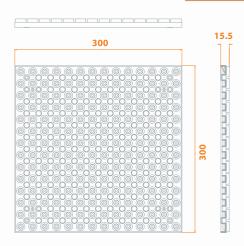
- Convection type heat radiation
- Ultra slim & smart design
- 300 X 300(mm) Multi-type
- Replace (2~32Wx2) fluorescent lamps

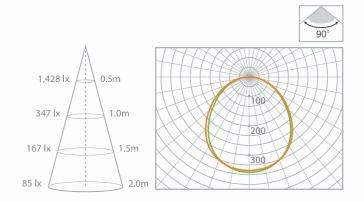
(Launching in November, '10)

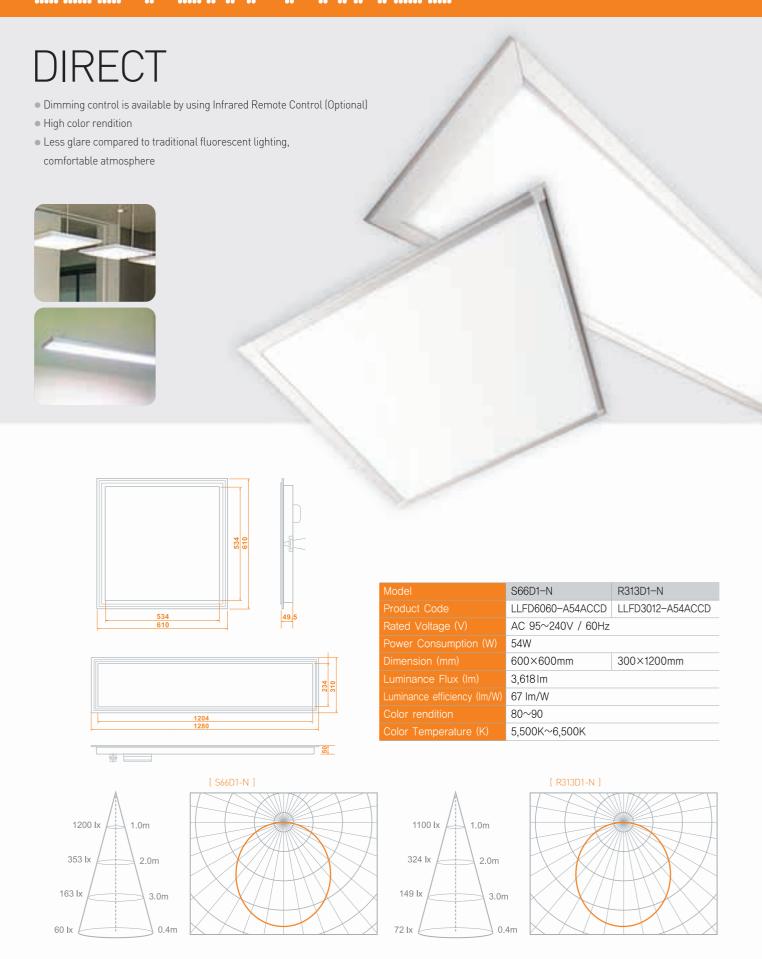




Model	PF3B3	PF6B6	PF3B12
Product Code	LLFD3030-A15AC	LLFD6060-A48AC	LLFD3012-A48AC
Rated Voltage (V)	AC 100~240V / 60Hz		
Power Consumption (W)	15W	48W	48W
Dimension (mm)	300×300mm	600×600mm	300×1,200mm
Luminance Flux (lm)	900 lm	2,880 lm	2,880 lm
Luminance efficiency (lm/W)	60 lm/W		
View angle (°)	90°		
Color Temperature (K)	3,000K / 5,700K Available		
Option	Dimming/Changing color function: Optional		





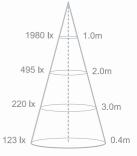


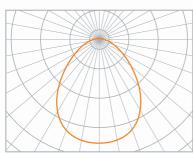


EDGE



Model	LRF66-85ACO1A
Product Code	LLFE6060-A85ACD
Rated Voltage (V)	AC 95~240V / 60Hz
Power Consumption (W)	85W
Dimension (mm)	600×600mm
Luminance Flux (lm)	3,100 lm
Luminance efficiency (lm/W)	48 lm/W
Color rendition	70~90
Color Temperature (K)	D, N, W, L

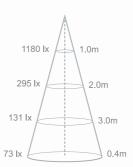


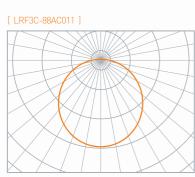


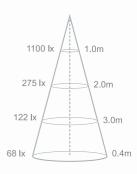
EDGE

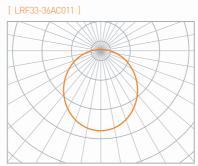


Model	LRF3C-88AC011	LRF33-36AC011	
Product Code	LLFE3012-A88ACD	LLFE3030-A36ACD	
Rated Voltage (V)	AC 100~240V / 60Hz		
Power Consumption (W)	88W	36W	
Dimension (mm)	314×1180mm	307×307mm	
Luminance Flux (Im)	2,800 lm	1,200 lm	
Luminance efficiency (lm/W)	31 lm/W	33 lm/W	
Color rendition	70~90		
Color Temperature (K)	D, N, W, L (Color Temperature, Dimming)		

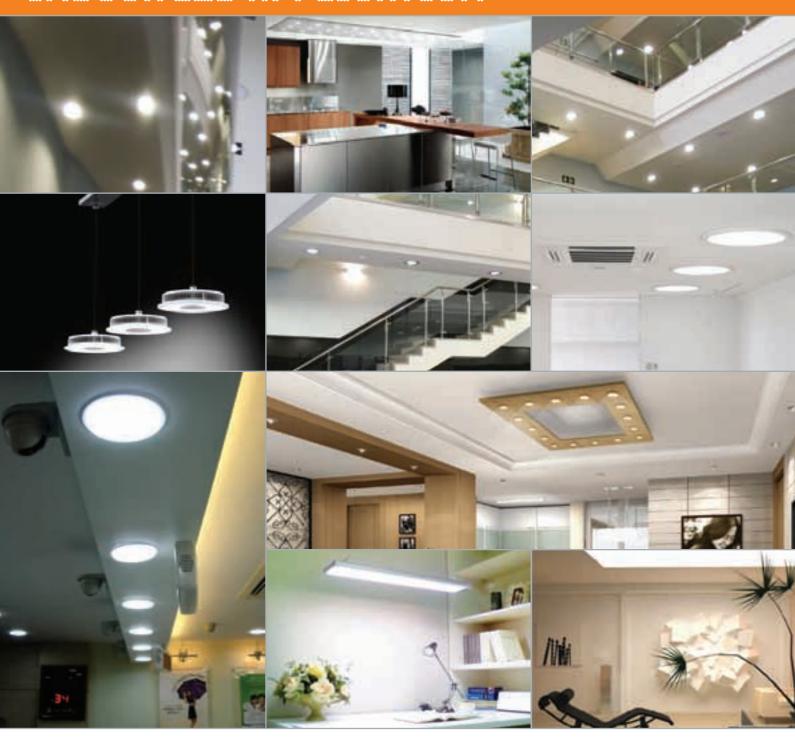




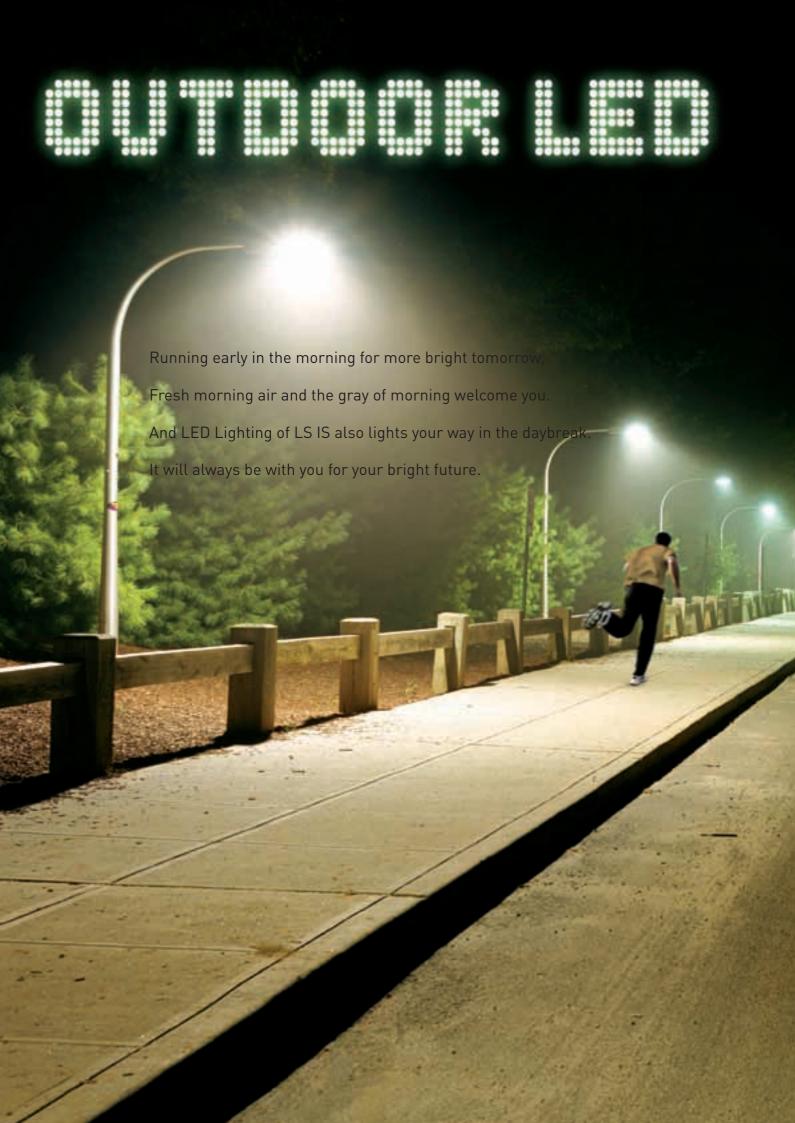




INDOORLED APPLICATION









Features of LS Outdoor LED

LS Outdoor LED is on a different level.

LS Outdoor LED will replace existing lighting apparatuses.

LS Outdoor LED is convenient and economical, as it will replace existing streetlights, security lights, and park lightings while using existing poles. LS IS boasts world-class differentiated technology with its lighting module with wide, balanced light distribution and excellent system efficiency.



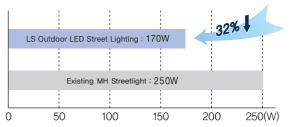




With more than 35,000 hours of lamp life, you can save cost of maintenance/repairing.

LED Lamp is also very effective in energy-savings as its power consumption is about 80% less than existing lightings.

Comparison of Power Consumption between existing Streetlight (250W) and LED Street Light (170W)



LED Lamp is environment-friendly, as it has no harmful material.

This is an environment-friendly with no toxic materials such as mercury or lead. As this product emits no electromagnetic waves or harmful UV ray for your health and environment, you can use it without worry.

You can freely select diverse options.

- Support remote control and integrated management via network (Auto Dimming)
- Additional functionalities such as security or multimedia based on IT (CCTV, Speaker, Sensor)
- Implement sensitive lighting using its Event Lighting function
- Some options may be not available by product type.

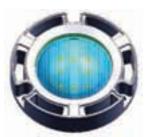


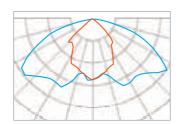




Advantages of LS Street Lighting Module

- Realize Batwing light distribution thanks to optimized lens design
- Integrated lens module adoptable to street lighting condition
- Watertight design of module
- Design variation using module
- Easy to maintain and repair (Replace faulty module only)
- ESD Protection-4000V HBM
- High system efficiency
- 8 × 1W LED/Module





It meets the street light intensity requirement of the KS specification.

LS Outdoor LED Lighting satisfies the KS street lighting class (M1 – M5) for the sake of the safety of pedestrians and drivers.

⟨ Reference ⟩ KS Street Light Intensity Criteria for Drivers

(KS C 7658: 2009 Requirement for the safety and performance of LED streetlights and security lights)

Street Illumination	Eavo(IX) (WIIIIIIIIIIIII Allowable variation)		Luminance Uniformity (Minimum Allowable Variation)		
Class	R1	R2 & R3	R4	Overall Uniformity $(UE_0)E_{min}/E_{avg}$	Longitudinal Uniformity $(UE_1)E_{min}/E_{max}$
M1	20.0	29.0	25,0	0.4	0.7
M2	15,0	22,0	19.0	0.4	0.7
M3	10,0	14.0	13,0	0.4	0,5
M4	8,0	11,0	9.0	0.4	-
M5	5,0	7.0	6,0	0.4	-

Service space

For pedestrian roads, driveways, parks

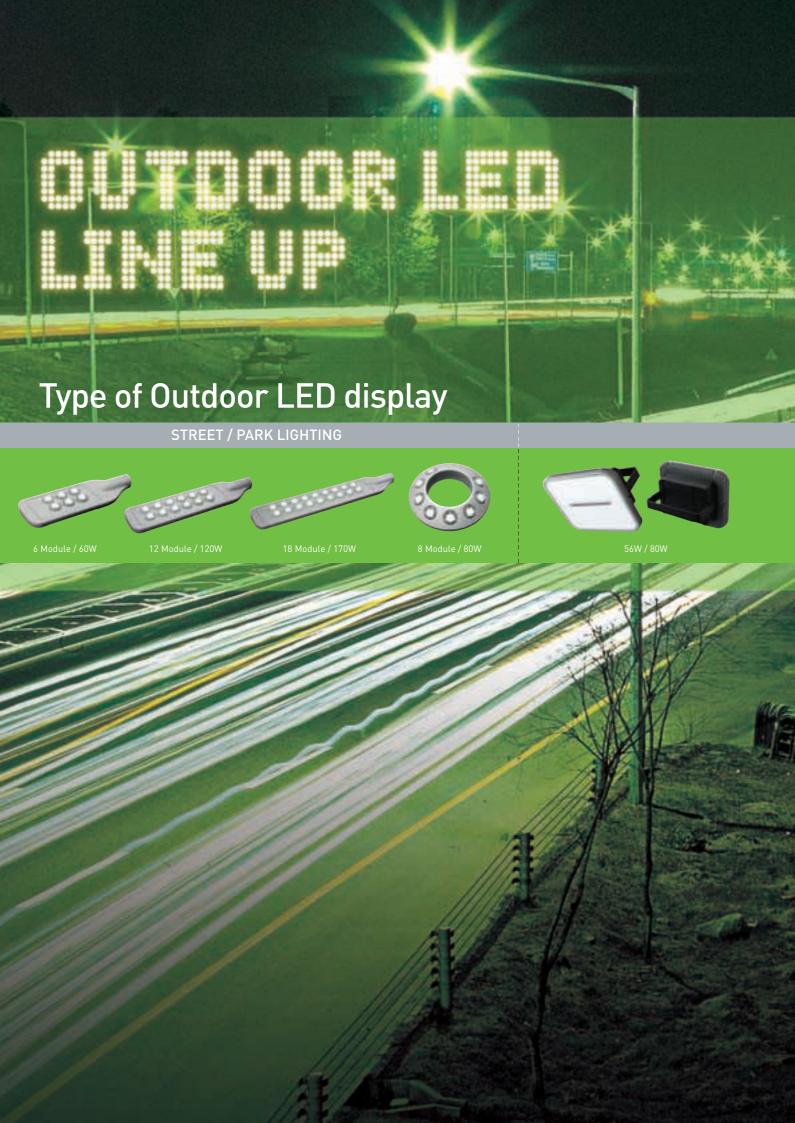








This Art Contest for private and public corporations is supervised by the Organizing Committee of International Public Design Award (IPDA) under the auspices of the Korea Public Design Regional Foundation (authorized by the Ministry of Public Administration and Security), and products awarded GPD (Good Public Design) would be registered as the Excellent Products for Governmental Procurement.





STREET

- 'Good public design 2009' award
- Expected to register 'Good government Product' in 2010(Korea)
- Slim & smart design
- Replace 150~250W street light

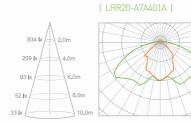


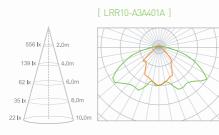


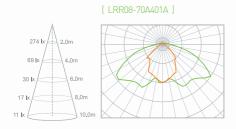




Model	LRR20-A7A401A	LRR10-A3A401A	LRR08-70A401A
Product Code	LLST-A170ACC	LLST-A120ACC	LLST-A60ACC
Rated Voltage (V)	100~240V / 60Hz	100~240V / 60Hz	100~240V / 60Hz
Power Consumption (W)	170W	120W	60W
Dimension (mm)	1,246×300×115	985×300×115	724×300×115
Luminance Flux (lm)	12,500 lm †	8,800 lm †	4,440 lm †
Luminance efficiency (lm/W)	74 lm/W		
View angle (°)	120°		
Color Temperature (K)	5500~6500K		







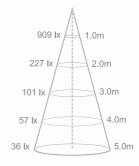
PARK

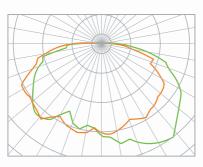
- Slim & smart design
- Replace 100~150W park light





Model	LRP58-98A4012
Product Code	LLPA-A80ACC
Rated Voltage (V)	100~240V / 60Hz
Power Consumption (W)	80W
Dimension (mm)	ø580×110mm
Luminance Flux (lm)	5,920 lm †
Luminance efficiency (lm/W)	74 lm/W
View angle (°)	120°
Color Temperature (K)	5500~6500K





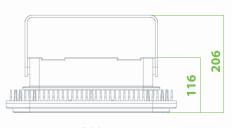
WALLMOUNT

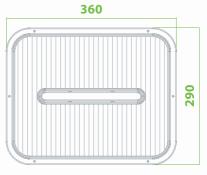
- Slim & smart design
- High luminance efficiency
- Replace 80~120W conventional light

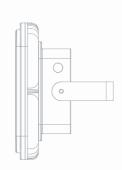




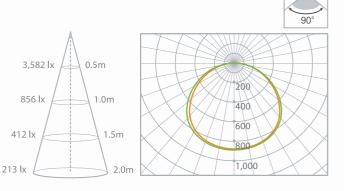








Model	PHR36B29	
Product Code	LLWA-K56AC	LLWA-K80AC
Rated Voltage (V)	220V / 60Hz	
Power Consumption (W)	56W	80W
Dimension (mm)	360x290x206mm	
Luminance Flux (Im)	3,920 lm 5.600 lm	
Luminance efficiency (lm/W)	70 lm/W	
View angle (°)	90°	
Color rendition	75↑	
Color Temperature (K)	3,000K / 5,700K Available	



FLOOD 80W/100W/120W

- High luminance efficiency
- Replace 100~200W conventional flood light

(Launching in October, '10)





PFL36B29

80W

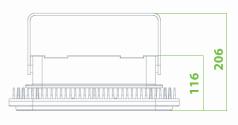
5,600 lm

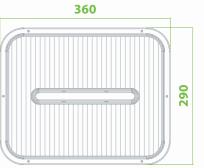
70 lm/W 25°

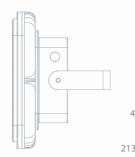
75 † 5,700K

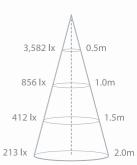
AC 90~264V / 60Hz

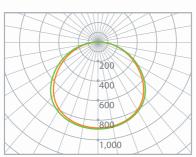
360×290×206mm











LLFLO-A80AC LLFLO-A100AC LLFLO-A120AC

120W

60°

8,400 lm

100W

40°

7,000 lm





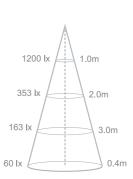
- Eco-friendly product
- glare prevention
- Waterproof and dustproof(IP66 Class)
- Replace 400W conventional flood light



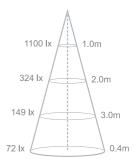


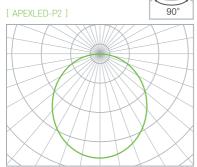


Model	APEXLED-P1	APEXLED-P2
Product Code	LLFLO-K165ACC	LLFLO-A130ACC
Rated Voltage (V)	AC 100/220V	AC 90~240V
Power Consumption (W)	165W	130W
Dimension (mm)	ø380×400mm	ø380×400mm
Luminance Flux (Im)	9,800 lm	8,000 lm
Luminance efficiency (lm/W)	60 lm/W(Without Pan)	62 lm/W
View angle (°)	30°	90°
Color Temperature (K)	6400K	









FLOOD 80W/24W

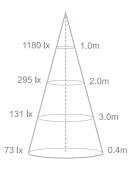
- Patient for LED Heat radiation
- Waterproof and dustproof(IP40/IP66)
- Replace 400W conventional flood light

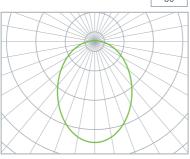






Model	APEXLED-P7	APEXLED-P8
Product Code	LLFLO-K80ACC	LLFLO-A24ACC
Rated Voltage (V)	AC 100/220V	AC 100~220V
Power Consumption (W)	80W	24W
Dimension (mm)	270×270×250mm	245×205×135mm
Luminance Flux (Im)	4200m	1600m
Luminance efficiency (lm/W)	60 lm/W(Without Pan)	67 lm/W
View angle (°)	60°	60°
Color Temperature (K)	6400K	







REASON 255W

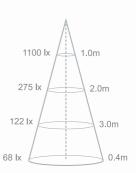
- Eco-friendly product
- Use for airport, stadium, army
- Waterproof and dustproof(IP66)
- Replace 1,500W conventional flood light

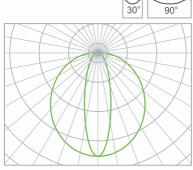






Model	REASON
Product Code	LLFLO-A255ACC
Rated Voltage (V)	AC 100~200V
Power Consumption (W)	255W
Dimension (mm)	475×547mm
Luminance Flux (lm)	14,500 lm
Luminance efficiency (lm/W)	60 lm/W(Without Pan)
View angle (°)	30° ~ 90°
Color Temperature (K)	6300K





EXPLOSION 56W/80W

- Long lifetime(LED & Power/Control circuit) No Use Capacitor
- Convection type heat radiation
- Slim type structure
- Use for gas station / chemical plant

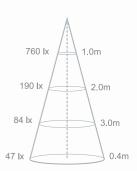
(Launching in November, '10)

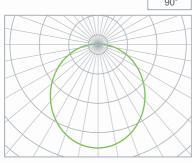




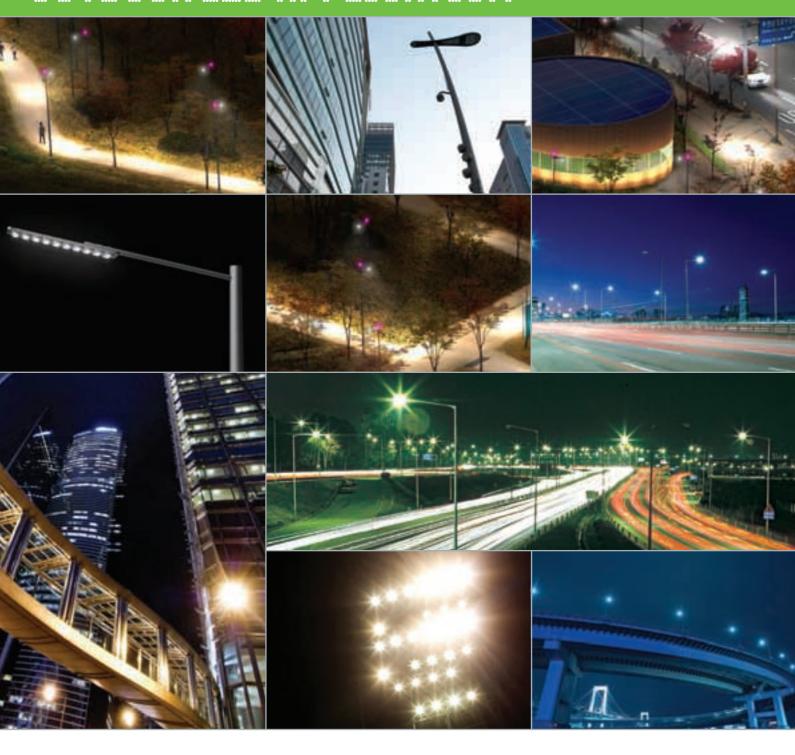


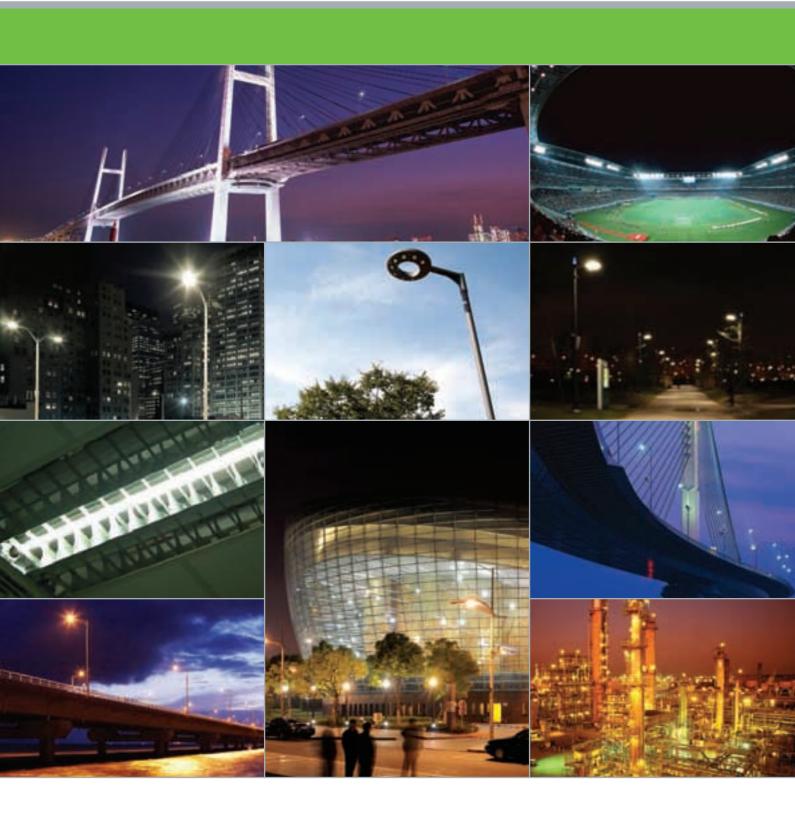
Model	PEX12		
Product Code	LLEX-K56AC	LLEX-K80AC	
Rated Voltage (V)	AC 220V / 60Hz		
Power Consumption (W)	56W	80W	
Dimension (mm)	300×100mm		
Luminance Flux (lm)	3,920 lm	5,600 lm	
Luminance efficiency (lm/W)	70 lm/W		
View angle (°)	90°		
Color rendition	75 ↑		
Color Temperature (K)	3,000K / 5,700K Available		





ouroce leo application











Features of LS Outdoor LED

Control 167,000 real colors

A new next-generation color control technology which used in all luxury lighting apparatuses around the world. This new technology expresses any image in 167,000 colors, and applies white color adjustment to accommodate any color temperature change (Patent No. 10-0658776)



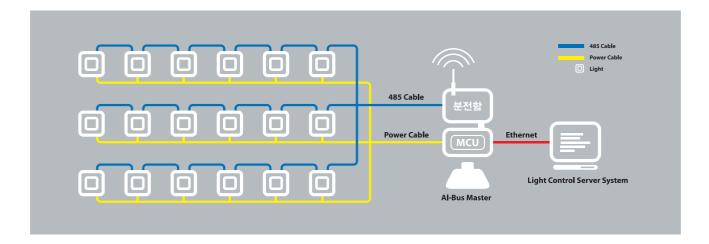
Offer convenient networking controlling technology.

Without need of entering fixed IP address to each device, this innovative network control technology creates a network configuration and allocates addresses automatically to individual devices in the network. This new technology will save time and installation cost considerably (Patent No. 10-0870733)

This address-less lighting control technology with RS-485 Interface can turn on/off each lighting apparatus individually or in group.

New Technology AL-Bus Algorithm (Patent No. 10-0870733)

- Remarkable stability in communications
- · Automatic address allocation function guarantees ease of installation / operation / maintenance
- Interactive communication



Different image control functionality.

Key new technology, a new paradigm of LED illumination of the 21st century, of rendering video images of a PC in LED lighting panel in full color (applying for a patent)



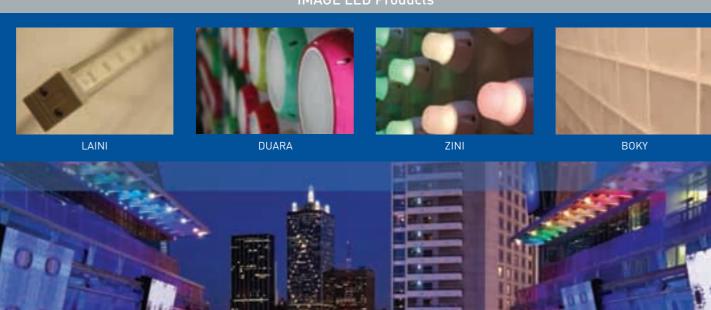






Image LED Server

- $350(L) \times 440(W) \times 88(H)$
- AL-Bus Protocol
- USB Interface
- 100V~240V, 50/60Hz
- 10Kg



Signal Processor

- $220(L) \times 355(W) \times 44(H)$
- AL-Bus Protocol
- Data Input : USB Interface
- Data Output : XLR 3Pin
- 100V~240V, 50/60Hz
- 2.5Kg



Z Controller

- $95(L) \times 100(W) \times 30(H)$
- AL-Bus / DMX 512 Protocol Compatible
- DC 18V~28V
- 0.19 Kg



Control Software



LAINI

Line Pixel Image LED 225mm, 450mm, 675mm, 900mm

225 : SMD High RGB LED 0.36W 10EA
 AL-Bus Protocol / DMX512 Compatible
 DC 18V-28V





DUARA

Round Point Pixel Image LED Dimension : Ø175×H74

SMD High RGB LED 0.36W 10EA
 AL-Bus Protocol / DMX512 Compatible
 DC 18V-28V

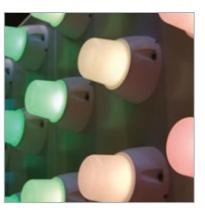




ZINI

Round Point Pixel Image LED Dimension : \emptyset 97×H100

SMD High RGB LED 0.36W 4EA
 AL-Bus Protocol / DMX512 Compatible
 DC 18V 18V-28V





BOKY

Square Point Pixel Image LED B0KY 5(50mm \times 50mm), 10(100mm \times 100mm), 15(150mm \times 150mm) 3 type

BOKY 10 : SMD High RGB LED 0.36W 16EA
 AL-Bus Protocol / DMX512 Compatible
 AC 100V~240V, 50 / 60Hz





IMAGELED APPLICATION

