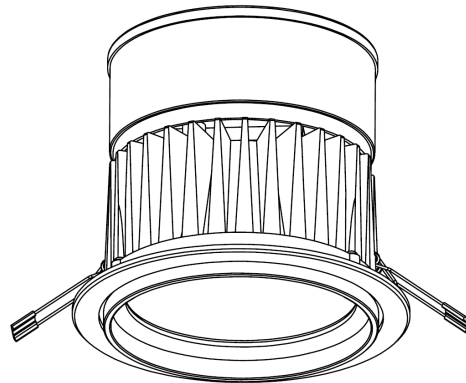


LUXPOINT™ MIDI DIM EX

Data Sheet



LUXPOINT™ MIDI DIM EX is 15W dimmable recessed LED down light and it can be used with the MIDI Extension Ring to extend its front ring to 195mm of diameter. With OSRAM's strong engineering know-how to materialize a high-efficient and uniform optical design, it is an ideal replacement for standard 1x18W/2x18W CFL down light luminaires.

BENEFITS

- Save 30% energy compared to standard CFL luminaires.
- Product lifetime >35,000hrs at 70% luminous flux
- 36%~100% dimmable with 1~10V dimming control
- Uniform & low glare optical design to ensure visual comfort

APPLICATION

- 80° wide diffused beam angle is good for general indoor illumination
- Ideal for office, shopping mall, hospital, restaurant & hotel

SPECIFICATION

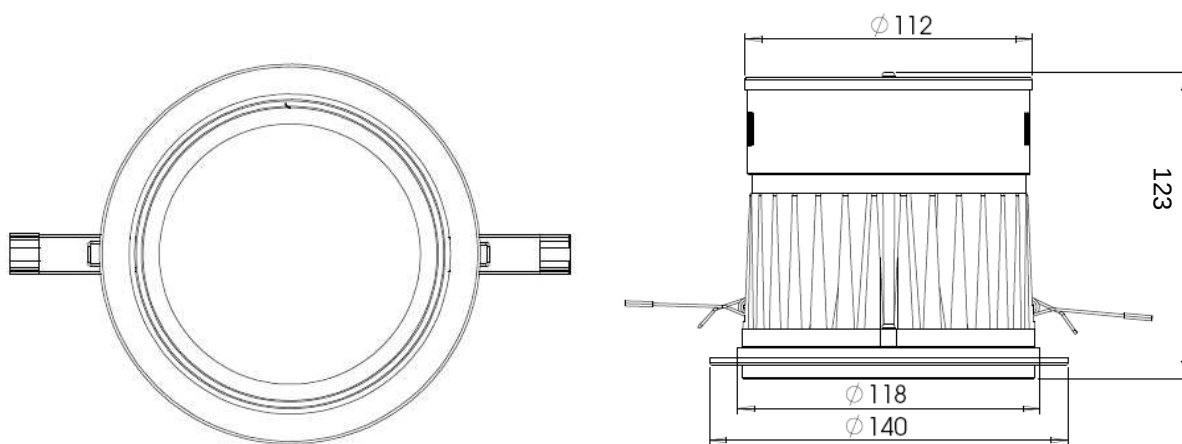
Item	Parameter	LXPT MD DIM EX WT 830-L80	LXPT MD DIM EX WT 840-L80	LXPT MD DIM EX WT 765-L80
Light Output ⁽¹⁾	CCT (K)	3000K	4000K	6500K
	Lumens (lm)	850 lm	930 lm	1050 lm
	Candela (cd)	470 cd	510 cd	580 cd
	Beam Angle	80°	80°	80°
	Efficacy (lm/W)	55 lm/W	60 lm/W	70 lm/W
	CRI	80	80	70
	Lifetime (T _a @ 35°C)	35,000 hours	35,000 hours	35,000 hours
Electrical ⁽²⁾	Input (V)	220 ~ 240 V		
	Frequency (Hz)	50 / 60 Hz		
	Power Consumption (W)	15W		
	Power Factor	>0.8		
	Secondary current (mA)	400 mA		
	Dimming mode	1~10V Dimming (36%~100%)		
	Recommended Dimmer	OSRAM Analog rotary dimmer - DIM MCU P		
Mechanical	Dimension (mm)	Ø140 x 123 (H) mm		
	Mounting Holes	Ø 125mm		
	Allowable mounting surface thickness	2~20mm		
	Cable length [mm]	500 mm		
	Optics	Reflector with Polymethylmethacrylate (PMMA) Cover		
	Net Weight (g)	760 g		
Temperature ⁽³⁾	Ambient (°C)	0 ... 35°C		
	Storage (°C)	-35 ... 80°C		
Standard Compliance	IP Rating	IP44(downward)		
	Safety Class	Class II		
	Approval Luminaire	IEC 60598-1 ; IEC60598-2-2; EN61000-3-2, EN55015; EN61547		
	Approval Power Supply	IEC61347-2-13		
	Flammability	F, MM		
	Environment	RoHS		
Packaging	Standard white box	Installation manual included		

(1)Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

(2)Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

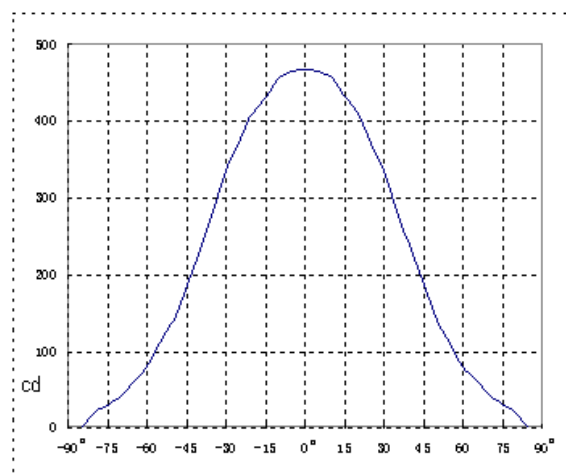
(3)Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

DRAWINGS

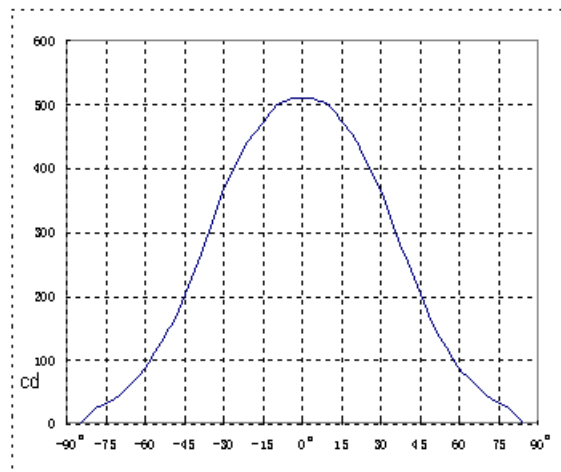
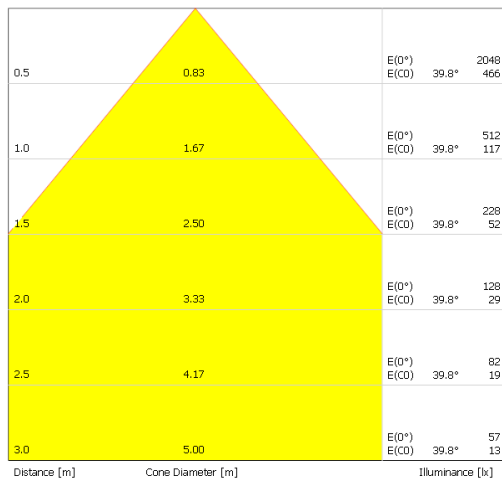


PHOTOMETRICS

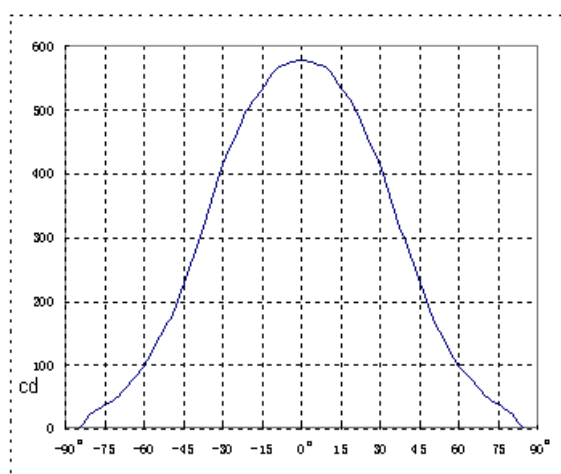
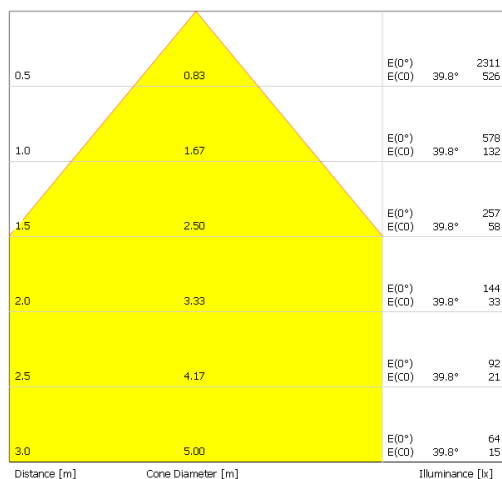
Polar Candela Distribution for 3000K



Polar Candela Distribution for 4000K



Polar Candela Distribution for 6500K



Due to the special conditions of manufacturing processes of LED, the polar candela distribution and distance illuminance can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

SAFETY NOTE

- The luminaire shall, under no circumstances, be covered with insulating matting or similar material.
- The LED luminaire itself and all its components may not be mechanical stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED luminaire with (power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the luminaires and will result in no light emission.
- Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- The design of the housing should be according to the IP standards in the application.

ORDERING CODE

Product Name	Product Code	EAN10	EAN40	Pcs/Box
LUXPOINT™ MIDI DIM EX	LXPT MD DIM EX WT 830-L80	400832 1787965	400832 1787972	4 pcs
LUXPOINT™ MIDI DIM EX	LXPT MD DIM EX WT 840-L80	400832 1787989	4008321 787996	4 pcs
LUXPOINT™ MIDI DIM EX	LXPT MD DIM EX WT 765-L80	400832 1788009	4008321 788016	4 pcs
DIM MCU	DIM MCU	405030 0347424	4050300 138848	100 pcs
LXPT MIDI EXTENSION RING	LXPT MIDI EXTENSION RING	400832 1677280	400832 1677297	4 pcs

SALES & TECHNICAL SUPPORT

OSRAM Asia Pacific

30th Floor, China Resource Building,
26 Harbour Road, Wanchai, Hong Kong
+852 3652 5678
www.osram.com

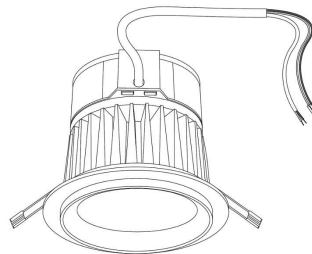
Sales and technical support is given by the local OSRAM subsidiaries. Complete subsidiaries listing is available at OSRAM homepage.

RELATED & FURTHER INFORMATION

- The new dimension of light 153 S006 GB
- OPTORONIC® data sheets <http://catalog.myosram.com>
- OPTORONIC® technical guide 130 T008 GB

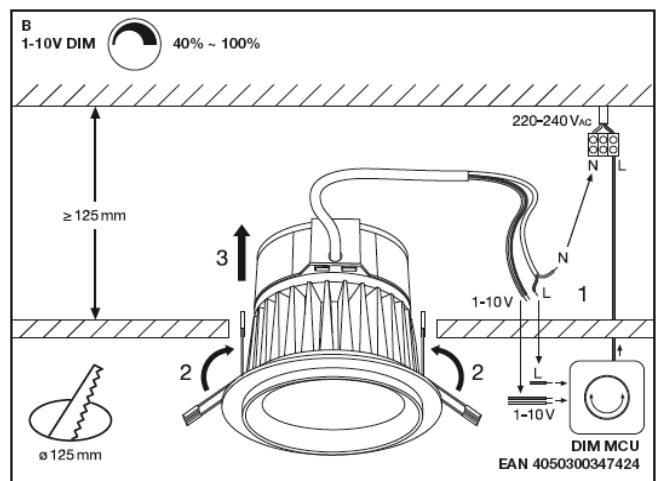
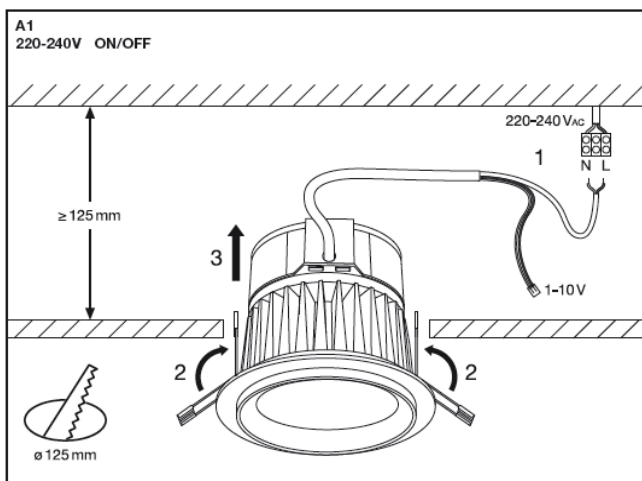
Products

LUXPOINT MIDI DIM EX can be connected directly to main voltage (220~240V). Two modes are offered:
(1) A simple On/Off (2) Dimmable by 1-10V



Red-black parallel wire: dimming wires, dimming voltage 1-10V or recommended dimming controller,
red + / black -

White cable: input cable, 220-240Vac



Dimming of single luminaire by 1~10V control signal

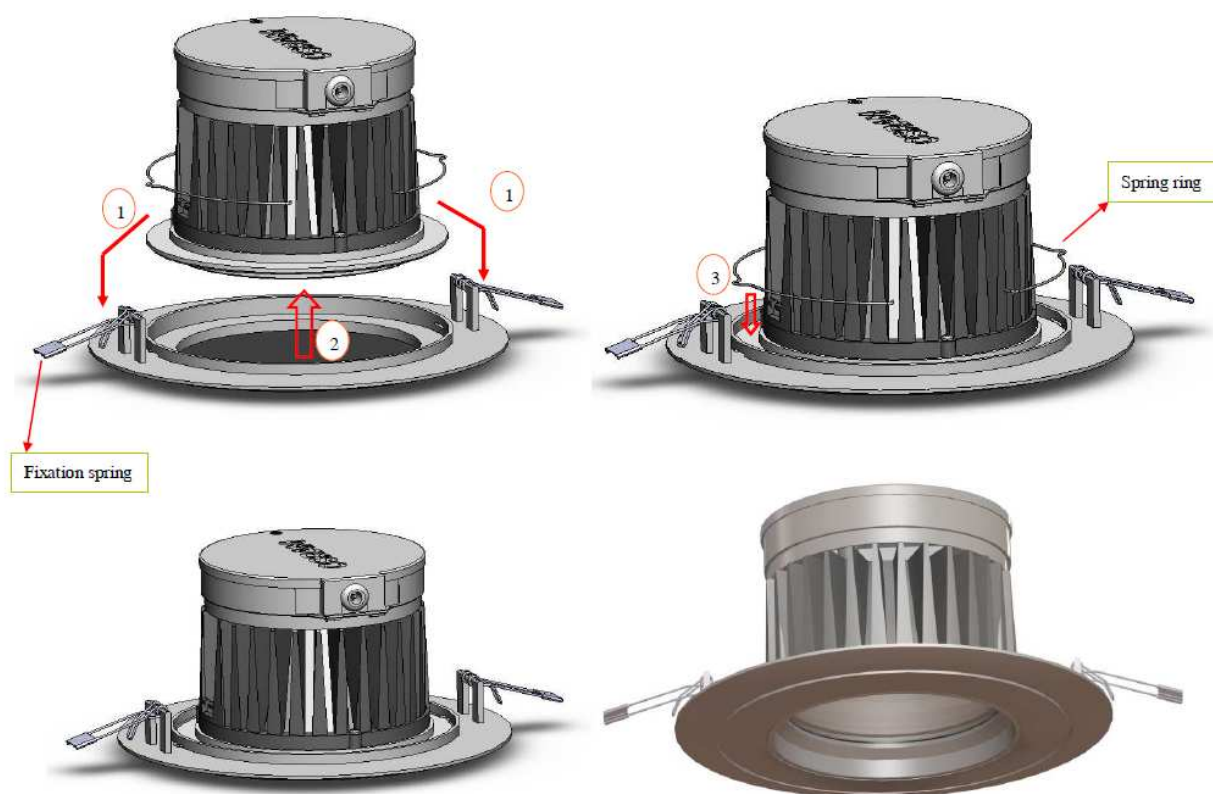


Dimming of multiple luminaires by 1~10V control signal



Application note

The front ring of LUXPOINT MIDI DIM EX is extendable by fitting on the MIDI EXTENSION RING.



Step1, Remove the fixation springs from the luminaire and assemble them to the big decorative spring.

Step2, Make the big decorative ring cover the original ring from the bottom.

Step3, Assemble the spring ring.