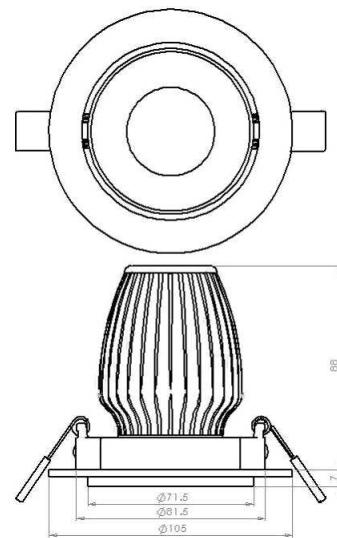


LUXPOINT™ MINI

2" LED Downlight

Data Sheet

LXPT MN



LUXPOINT™ MINI is an ideal replacement for a standard 50W halogen downlight. The design of the LUXPOINT™ MINI is engineered for energy efficiency, longest lifetime and highest illuminance. 2 color temperatures: warm white & neutral white and 2 beam angles: 30° & 60° are available for use in various applications.

MAJOR BENEFITS

- **Real 50W halogen replacement**
 - 70% energy saving from 50W halogen lamp.
- **Extra long life time >30,000hrs**
 - 15 times longer life time than halogen lamp.
 - Hassle-free, no lamp replacement is needed.
- **Available in 30° & 60°**
 - Narrow beam is ideal for spot lighting, while wider angle is for general illumination
- **Available in warm white (3000K) & neutral white (4000K)**
 - Fine-binning is available.
- **Intelligent thermal design**
 - Optimized for extended lifetime and maximum brightness

APPLICATIONS

- **Downlighting**
 - 60° wide flood beam angle version is ideally for general illumination
 - Suitable for Hotels, Apartments, Office & Shoplighting
- **Spot Lighting**
 - 30° spot beam angle version is ideally for accent lighting.
 - Suitable for Museums, Hotels, Apartments & Shoplighting

SPECIFICATION

Item	Parameter	LXPT MN WT-830-L30	LXPT MN WT-830-L60	LXPT MN WT-840-L30	LXPT MN WT-840-L60
Light Output*	Lumens (lm)	700 lm	700 lm	750 lm	750 lm
	Candela (cd)	2450 cd	640 cd	2600 cd	670 cd
	Beam Angle	30°	60°	30°	60°
	Power	15.5W	15.5W	15.5W	15.5W
	Efficacy (lm/W)	45 lm/W	45 lm/W	48 lm/W	50 lm/W
	CCT (K)	3000K	3000K	4000K	4000K
	CRI	>80	>80	>80	>80
	Lifetime (T _a @ 25°C)	30,000 hours	30,000 hours	30,000 hours	30,000 hours
Electrical #	Input Current	Constant current 700 mA (max 720mA)			
	Input Voltage	21.0~24.5V			
	Recommended Driver	OSRAM OPTOTRONIC@ OT18 DIM (700mA)			
	ESD Protection	Contact 4kV and Air 8kV			
Mechanical	Dimension (mm)	Ø105 x 95 (H), Ø50 at light source			
	Mounting Holes	Ø 90mm			
	Allowable mounting surface thickness	2~20mm			
	Tiling Angle	±15°			
	Optics	Reflector with Polymethylmethacrylate (PMMA) Cover			
	Weight (g)	324 g			
Temperature	Ambient (°C)	-30 ... 40°C (T _a in free air)			
	Operation (°C)	-20 ... 95°C (measure at T _c point)			
	Storage (°C)	-30 ... 80°C (measure at T _c point)			
Standard Compliance	IP Rating	IP21			
	Class of Luminaire	IEC 60598-1 ; IEC60598-2-2, CE			
	Flammability	FF, MM			
	Environment	RoHS			
Packaging	Standard white box	included i) installation manual ii) driver cable (500mm)			

*) 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.

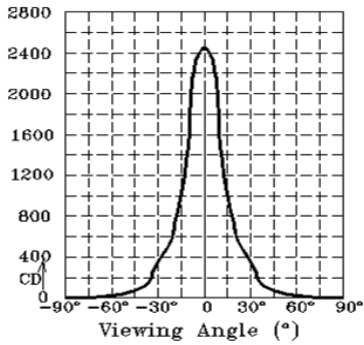
#) Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

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

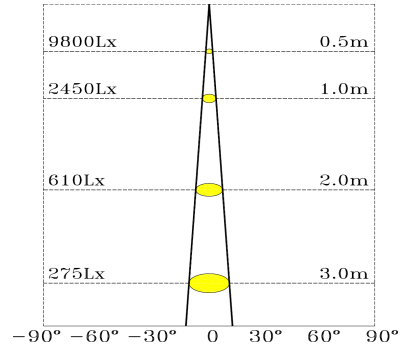
The temperature of the LED module needs to be measured at the T_c-point according to EN60598-1 in a thermally constant status with a temperature sensor or a temperature sensitive label. For exact location of the T_c-point see drawings.

PHOTOMETRICS

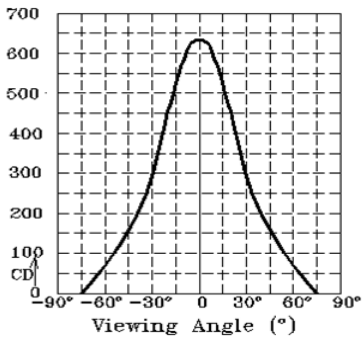
Polar Candela Distribution for 3000K 30° version (L30)



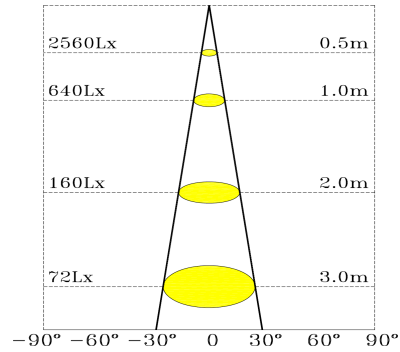
Distance Illuminance for 3000K 30° version (L30)



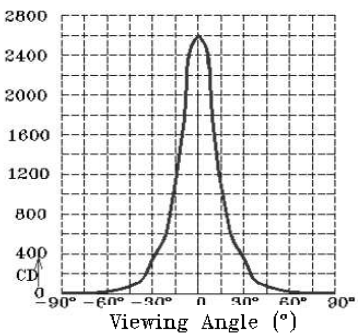
Polar Candela Distribution for 3000K 60° version (L60)



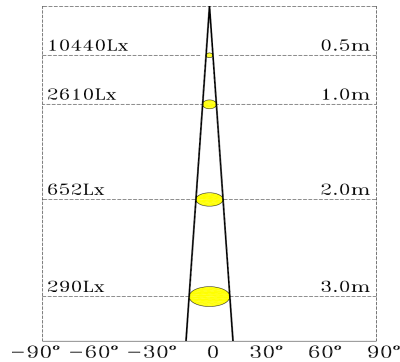
Distance Illuminance for 3000K 60° version (L60)



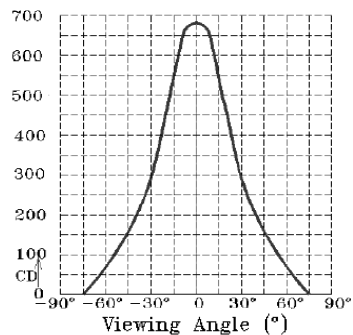
Polar Candela Distribution for 4000K 30° version (L30)



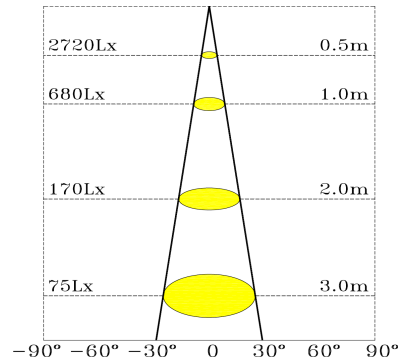
Distance Illuminance for 4000K 30° version (L30)



Polar Candela Distribution for 4000K 60° version (L60)



Distance Illuminance for 4000K 60° version (L60)



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 LED luminaires 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.
- Parallel connection is highly recommended as safe electrical operation mode. Electronic in series connection is forbidden.
- Please ensure that only DC constant current power supply of adequate power should be used to operate the total load. Suitable OPTOTRONIC® Power Supply includes OT18 DIM (700mA) .One OT18 DIM (700mA) can support one LUXPOINT MINI.
- Dimming of the LUXPOINT MINI is possible with pulse width modulation of the OPTOTRONIC® OT18 DIM (700mA). Dimming with the regulation of current amplitude may results in color shift.
- 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.
- Pay attention to standard ESD precautions when installing the module.
- Supply current cannot exceed 720mA.

ORDERING CODE

Product Name	Product Code	Product Number	Piece per Box
LUXPOINT™ MINI	LXPT MN WT-830-L30	4008321514714	4 pcs
LUXPOINT™ MINI	LXPT MN WT-830-L60	4008321514738	4 pcs
LUXPOINT™ MINI	LXPT MN WT-840-L30	4008321514752	4 pcs
LUXPOINT™ MINI	LXPT MN WT-840-L60	4008321514776	4 pcs
OPTOTRONIC®	OTe 18/220-240/700 S60 <i>(available in Feb 10)</i>	4008321530646	60 pcs
OPTOTRONIC®	OT 18/200-240/700 DIM	4008321139320	20 pcs

SALES & TECHNICAL SUPPORT**OSRAM Asia Pacific**

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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

LUXPOINT MINI connection diagram

Products



LUXPOINT MINI is hi-end LED luminaires that can be easily used in various combinations with an appropriate power supplies and control systems.

LUXPOINT™ MINI

