



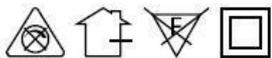
BATH + LIGHT

EMPHA 15W

EMPHA Recessed Extended COB Focus Light
Indoor Luminaire

Product Code:

LEMP01R015XC / LEMP01R015XN / LEMP01R015XW
15W - 975lm - 6500K - CRI>90 Ra - Beam Angle 36°



Technical Specifications

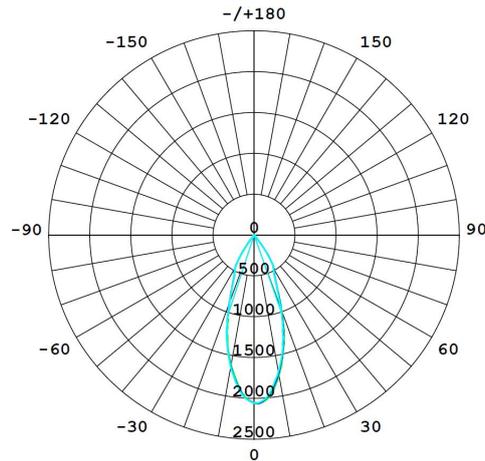
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	15W ± 10%
Rated Input Current	0.070 Amp (Nominal)
Power Factor	≥0.90
THD	<10%
Rated Luminous Flux	975 lm / 900 lm / 825 lm (tolerance as per BIS)
Rated Luminaire Efficacy	65 lm/W / 60 lm/W / 55 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>90 Ra
Beam Angle	36° (within the permissible limits)
Driver Efficiency	≥80%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminium with White Powder Coating
Lens / Reflector	Anodized Reflector and Clear PC Diffuser
Mounting	Recess

Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	±4.0KV
Protection Class	Class II
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	NA
Short Circuit Protection	Provided
Open Circuit Protection (No Load)	Provided
Reverse Polarity Protection	Provided

All technical data is subject to industry-standard tolerances.

Light Distribution

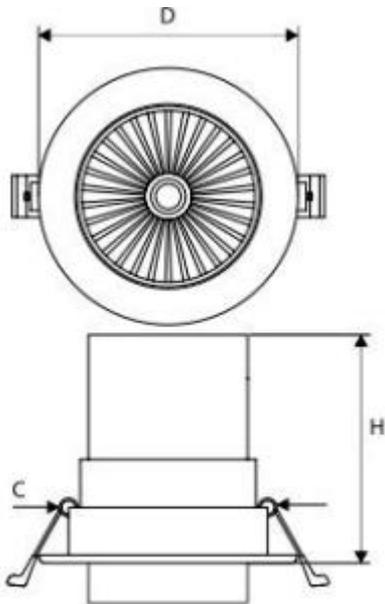


UGR Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	20.4	21.3	20.7	21.4	21.6	20.2	21.0	20.4	21.2	21.3	
3H	20.3	21.0	20.5	21.2	21.4	20.0	20.8	20.2	21.0	21.2	
4H	20.2	20.9	20.5	21.1	21.4	19.9	20.6	20.2	20.9	21.1	
6H	20.1	20.8	20.4	21.0	21.3	19.8	20.5	20.1	20.7	21.0	
8H	20.1	20.7	20.4	21.0	21.2	19.8	20.4	20.1	20.7	20.9	
12H	20.0	20.6	20.3	20.9	21.2	19.7	20.4	20.1	20.6	20.9	
4H	2H	20.2	20.9	20.5	21.2	21.4	19.9	20.7	20.2	20.9	21.1
3H	20.0	20.7	20.3	20.9	21.2	19.8	20.4	20.1	20.7	20.9	
4H	19.9	20.5	20.3	20.8	21.1	19.7	20.2	20.0	20.5	20.8	
6H	19.8	20.3	20.2	20.7	21.0	19.6	20.1	19.9	20.4	20.7	
8H	19.8	20.3	20.2	20.6	21.0	19.5	20.0	19.9	20.3	20.7	
12H	19.7	20.2	20.1	20.5	20.9	19.5	19.9	19.9	20.3	20.6	
8H	4H	19.8	20.3	20.2	20.6	21.0	19.5	20.0	19.9	20.3	20.7
6H	19.7	20.1	20.1	20.5	20.9	19.4	19.8	19.8	20.2	20.6	
8H	19.6	20.0	20.1	20.4	20.8	19.3	19.7	19.8	20.1	20.5	
12H	19.6	19.9	20.0	20.3	20.8	19.3	19.6	19.8	20.0	20.5	
12H	4H	19.7	20.2	20.1	20.5	20.9	19.5	19.9	19.9	20.3	20.6
6H	19.6	20.0	20.1	20.4	20.8	19.3	19.7	19.8	20.1	20.5	
8H	19.6	19.9	20.0	20.3	20.8	19.3	19.6	19.8	20.0	20.5	
Variations with the observer position at spacings (CIE Pub.117) :											
S = 1.0H	+ 4.8 / - 8.6					+ 4.7 / - 8.2					
1.5H	+ 7.0 / - 5.7					+ 6.9 / - 5.6					
2.0H	+ 3.5 / - 5.0					+ 3.5 / - 5.1					

Product Dimensions (D x H), Cutout Size

Ø 103 X 99mm (Tol. ± 5 mm), Ø90mm



Applications

Residences, Offices, Small Retail Shops, Hotels, Coffee Shops, Restaurants, Hospitals, area lighting and for other indoor applications.

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