



BATH + LIGHT

HIGHBAY 100W

LED Highbay Light

Indoor Luminaire

Product Code:

LHBLD1R100XC

100W - 10000lm - 5700K - CRI>70 Ra - Beam Angle 60°



Technical Specifications

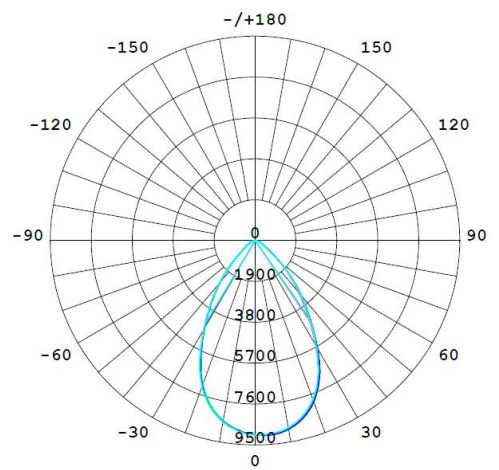
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	100W ± 10%
Rated Input Current	0.45 Amp (Nominal)
Power Factor	≥0.90
THD	<10%
Rated Luminous Flux	10000 lm (tolerance as per BIS)
Rated Luminaire Efficacy	100 lm/ W (tolerance as per BIS)
Correlated Color Temperature (CCT)	5700 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 Ra
Beam Angle	60° (within the permissible limits)
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Aluminium Die Cast with Powder Coating
Lens / Reflector	Lens with Toughened Glass
Mounting	Pendent/Surface Mount

Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	±4.0KV (with External SPD 10KV)
Protection Class	Class I
Ingress Protection (IP Rating)	IP66
Impact Protection (IK Rating)	IK07
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



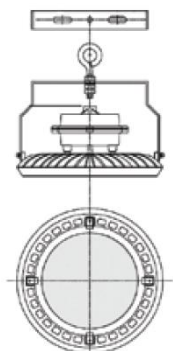
UGR Table

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	2H	26.1	27.2	26.3	27.4	27.6	26.2	27.4	26.5	27.5	27.7
	3H	26.3	27.3	26.5	27.5	27.7	26.4	27.5	26.7	27.7	27.9
	4H	26.4	27.4	26.7	27.6	27.8	26.5	27.5	26.8	27.7	28.0
	6H	26.4	27.3	26.7	27.6	27.8	26.6	27.5	26.9	27.7	28.0
	8H	26.4	27.3	26.7	27.5	27.8	26.5	27.4	26.9	27.7	28.0
	12H	26.3	27.2	26.7	27.5	27.7	26.5	27.4	26.8	27.6	27.9
4H	2H	26.1	27.0	26.3	27.3	27.5	26.2	27.2	26.5	27.4	27.7
	3H	26.4	27.2	26.7	27.5	27.8	26.5	27.4	26.9	27.7	27.9
	4H	26.6	27.3	26.9	27.7	28.0	26.7	27.5	27.1	27.8	28.1
	6H	26.7	27.3	27.0	27.7	28.0	26.8	27.5	27.2	27.8	28.2
	8H	26.7	27.3	27.1	27.6	28.0	26.8	27.4	27.2	27.8	28.2
	12H	26.6	27.2	27.0	27.6	28.0	26.8	27.3	27.2	27.7	28.1
8H	4H	26.6	27.2	27.0	27.6	28.0	26.7	27.4	27.1	27.7	28.1
	6H	26.7	27.2	27.2	27.6	28.1	26.9	27.4	27.3	27.8	28.2
	8H	26.7	27.2	27.2	27.6	28.1	26.9	27.3	27.3	27.8	28.2
	12H	26.7	27.1	27.2	27.5	28.0	26.9	27.2	27.3	27.7	28.2
12H	4H	26.6	27.1	27.0	27.5	27.9	26.7	27.3	27.1	27.6	28.0
	6H	26.7	27.2	27.2	27.6	28.0	26.8	27.3	27.3	27.7	28.2
	8H	26.7	27.1	27.2	27.6	28.0	26.9	27.2	27.3	27.7	28.2
Variations with the observer position at spacings(CIE Pub.117) :											
S = 1.0H		+ 1.4 / - 2.2					+ 1.3 / - 2.1				
1.5H		+ 1.6 / - 2.0					+ 1.6 / - 1.9				
2.0H		+ 3.1 / - 2.1					+ 3.0 / - 2.0				

With our continuous efforts to upgrade the technology/product, all product specifications and data are subject to change without prior notice. We always try to maintain the accuracy of our product images, but due to different viewing conditions, the colors may vary. Images are only for indicative purpose.

Product Dimensions (Dia. x H), With Cradle (H)

Ø244 X 135 mm, 180 mm (Tol.±5 mm)



Applications

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