



BATH + LIGHT

HIGHBAY 120W

LED Highbay Light

Indoor Luminaire

Product Code:

LHBLD1R120XC

120W - 12000lm - 5700K - CRI>70 Ra - Beam Angle 60°



Technical Specifications

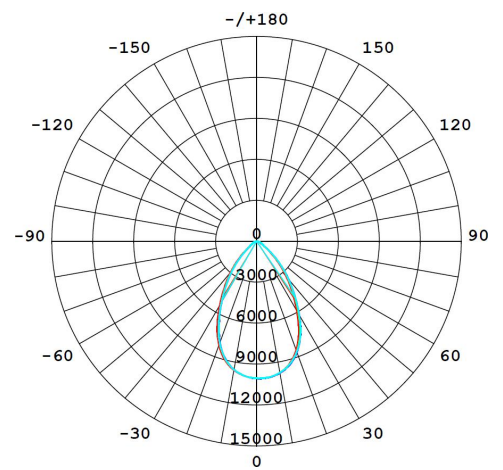
| | |
|------------------------------------|--|
| Operating Temperature | -10°C to 40°C |
| Rated Input Voltage & Frequency | 230 VAC, 50Hz |
| Rated Input Wattage | 120W \pm 10% |
| Rated Input Current | 0.54 Amp (Nominal) |
| Power Factor | \geq 0.90 |
| THD | <10% |
| Rated Luminous Flux | 12000 lm (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 | \geq 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 | \pm 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



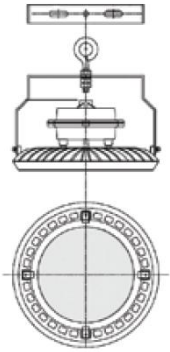
UGR Table

| | | | | | | | | | | | |
|---|------------------|------|------|------|------|------|----------------|------|------|------|------|
| 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 | 26.4 | 27.6 | 26.7 | 27.7 | 27.9 | 26.8 | 27.9 | 27.0 | 28.1 | 28.3 |
| | 3H | 26.6 | 27.7 | 26.9 | 27.9 | 28.1 | 27.0 | 28.1 | 27.3 | 28.3 | 28.5 |
| | 4H | 26.7 | 27.7 | 27.0 | 28.0 | 28.2 | 27.2 | 28.2 | 27.5 | 28.4 | 28.6 |
| | 6H | 26.8 | 27.7 | 27.1 | 27.9 | 28.2 | 27.2 | 28.2 | 27.5 | 28.4 | 28.7 |
| | 8H | 26.7 | 27.6 | 27.1 | 27.9 | 28.2 | 27.2 | 28.1 | 27.5 | 28.4 | 28.6 |
| | 12H | 26.7 | 27.5 | 27.0 | 27.8 | 28.1 | 27.2 | 28.0 | 27.5 | 28.3 | 28.6 |
| 4H | 2H | 26.4 | 27.4 | 26.7 | 27.6 | 27.9 | 26.7 | 27.7 | 27.0 | 28.0 | 28.2 |
| | 3H | 26.8 | 27.6 | 27.1 | 27.9 | 28.2 | 27.1 | 28.0 | 27.5 | 28.3 | 28.5 |
| | 4H | 27.0 | 27.8 | 27.4 | 28.1 | 28.4 | 27.4 | 28.2 | 27.8 | 28.5 | 28.8 |
| | 6H | 27.1 | 27.8 | 27.5 | 28.1 | 28.5 | 27.6 | 28.2 | 28.0 | 28.6 | 28.9 |
| | 8H | 27.1 | 27.7 | 27.5 | 28.1 | 28.4 | 27.6 | 28.2 | 28.0 | 28.6 | 28.9 |
| | 12H | 27.0 | 27.6 | 27.5 | 28.0 | 28.4 | 27.5 | 28.1 | 28.0 | 28.5 | 28.9 |
| 8H | 4H | 27.1 | 27.7 | 27.5 | 28.0 | 28.4 | 27.4 | 28.1 | 27.8 | 28.4 | 28.8 |
| | 6H | 27.2 | 27.7 | 27.6 | 28.1 | 28.5 | 27.7 | 28.2 | 28.1 | 28.6 | 29.0 |
| | 8H | 27.2 | 27.7 | 27.7 | 28.1 | 28.5 | 27.7 | 28.2 | 28.1 | 28.6 | 29.0 |
| | 12H | 27.2 | 27.6 | 27.7 | 28.0 | 28.5 | 27.7 | 28.1 | 28.2 | 28.5 | 29.0 |
| 12H | 4H | 27.0 | 27.6 | 27.4 | 28.0 | 28.4 | 27.4 | 28.0 | 27.8 | 28.4 | 28.8 |
| | 6H | 27.2 | 27.6 | 27.6 | 28.1 | 28.5 | 27.6 | 28.1 | 28.1 | 28.5 | 29.0 |
| | 8H | 27.2 | 27.6 | 27.7 | 28.0 | 28.5 | 27.7 | 28.1 | 28.2 | 28.5 | 29.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 1.3 / - 2.1 | | | | | | + 1.2 / - 1.9 | | | | |
| 1.5H | + 1.5 / - 1.8 | | | | | | + 1.4 / - 1.8 | | | | |
| 2.0H | + 3.0 / - 2.1 | | | | | | + 2.9 / - 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.