

### HIGHBAY 70W

LED HIGHBAY LIGHT

Indoor Luminaire

Product Code:

LHBLD1R070XC

70W - 7000lm - 3000K - CRI>70 Ra - Beam Angle 60°



### Technical Specifications

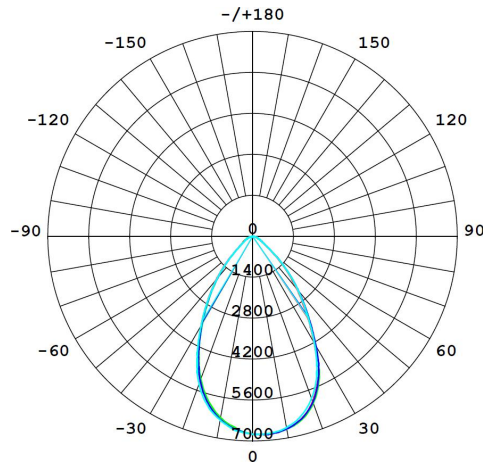
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	70W ± 10%
Rated Input Current	0.32 Amp (Nominal)
Power Factor	≥0.90
THD	<10%
Rated Luminous Flux	7000 lm (tolerance as per BIS)
Rated Luminaire Efficacy	100 lm/W (tolerance as per BIS)
Correlated Color 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

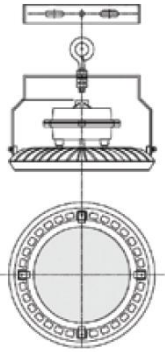


## UGR Table

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	25.0	26.1	25.2	26.3	26.5	25.1	26.2	25.3	26.4	26.6	
3H	25.2	26.2	25.5	26.4	26.7	25.3	26.4	25.6	26.6	26.8	
4H	25.3	26.3	25.6	26.5	26.8	25.5	26.4	25.7	26.7	26.9	
6H	25.3	26.3	25.6	26.5	26.8	25.5	26.4	25.8	26.7	26.9	
8H	25.3	26.2	25.6	26.5	26.7	25.5	26.4	25.8	26.6	26.9	
12H	25.3	26.1	25.6	26.4	26.7	25.4	26.3	25.8	26.6	26.9	
4H	2H	24.9	25.9	25.2	26.2	26.4	25.1	26.0	25.3	26.3	26.5
3H	25.3	26.2	25.7	26.4	26.7	25.5	26.3	25.8	26.6	26.9	
4H	25.5	26.3	25.9	26.6	26.9	25.7	26.5	26.0	26.8	27.1	
6H	25.6	26.3	26.0	26.6	27.0	25.8	26.5	26.2	26.8	27.2	
8H	25.6	26.2	26.0	26.6	27.0	25.8	26.4	26.2	26.8	27.2	
12H	25.6	26.1	26.0	26.5	26.9	25.8	26.4	26.2	26.7	27.1	
8H	4H	25.6	26.2	26.0	26.6	26.9	25.7	26.4	26.1	26.7	27.1
6H	25.7	26.2	26.1	26.6	27.0	25.9	26.4	26.3	26.8	27.2	
8H	25.7	26.2	26.2	26.6	27.0	25.9	26.4	26.4	26.8	27.2	
12H	25.7	26.1	26.2	26.5	27.0	25.9	26.3	26.4	26.7	27.2	
12H	4H	25.5	26.1	26.0	26.5	26.9	25.7	26.3	26.1	26.6	27.0
6H	25.7	26.1	26.1	26.6	27.0	25.9	26.3	26.3	26.7	27.2	
8H	25.7	26.1	26.2	26.5	27.0	25.9	26.3	26.4	26.7	27.2	
Variations with the observer position at spacings (CIE Pub.117) :											
S = 1.0H	+ 1.3 / - 2.1					+ 1.3 / - 2.0					
1.5H	+ 1.6 / - 2.0					+ 1.6 / - 1.9					
2.0H	+ 3.0 / - 2.0					+ 3.0 / - 1.9					

## 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.