

SIMPLITZ® Highbay Cold Storage Datasheet



SIMPLITZ® Highbay Cold Storage series is highly efficient and reliable LED highbay luminaries that can be used in dusty, humid and low temperature environment. The well-designed die-casting aluminum heat sink with high-efficiency lens achieve a perfect balance between convenience and practicality. SIMPLITZ® Highbay Cold Storage series can replace the traditional HID highbay directly and provide the best solution for high ceiling industrial lighting and commercial lighting.

Benefits

One-to-one replacement of traditional HID highbay

- 50% energy saving
- Working temperature is -30°C ~ 45°C
- Maintain desired illumination throughout lifecycle
- Easy transportation and installation. Low maintenance cost

Safe and reliable

- Compact and light weight
- IP65, IK08
- 30,000hrs lifetime

Visual comfort

- CRI > 80

Applications

- Cold Storage
- Workshops, assembly lines
- Warehouses, logistics
- Public areas (airports, stations, stadiums)

SIMPLITZ® Highbay Cold Storage

Technical Data

Optical Specifications

Power		60W	100W
Luminous Flux	4000K	8,400 lm	14,000 lm
Efficacy	4000K	140 lm/W	
CCT		4000K, 5000K	
CRI		≥80	
SDCM		≤5	
Beam Angle		90° (45x90° can be customized)	

Electrical and Mechanical Specifications

Input Voltage	220-240VAC 50/60Hz		
Power Consumption	60W		100W
Power Factor	≥0.95@230Vac/50Hz		
Total Harmonic Distortion	< 10%@230Vac/50Hz		
Surge Protection	Line to Line: 4KV, Line to Ground: 4KV		
Dimensions (Height)	160mm		165mm
(Diameter)	275mm		275mm
Weight	2.2kg		2.4kg
Cover Lens	PC		
Housing	Die-casting aluminum housing		

System Specifications

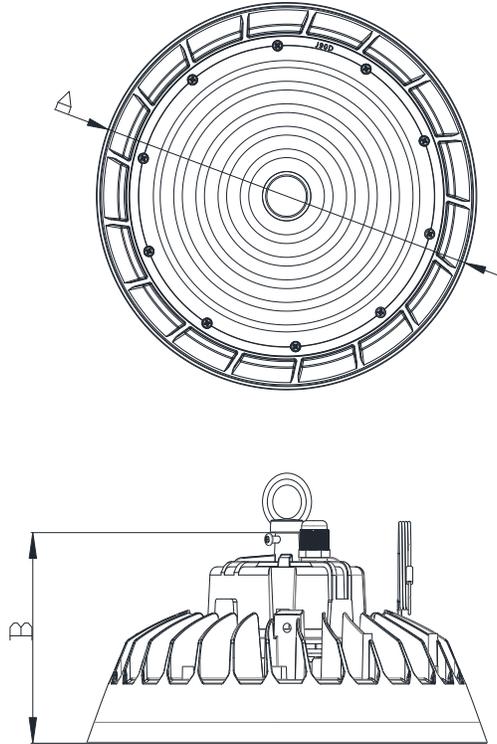
Power	AC line
Dimming	On/Off (1-10V can be customized)
Installation	Suspend / Surface mounting
Working Temperature	-30°C to +45°C
Storage Temperature	-35°C to +70°C
Environment	Indoor (IP65, IK08)
Lumen Maintenance	L70B50@25°C - 30,000 hrs.
Safety Approval	Electrical Protection Class I, CB, CCC

Due to the special conditions of manufacturing process 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 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.

Dimensions



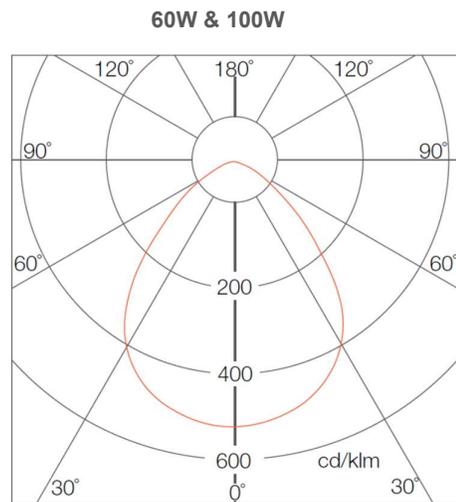
Dimensions

	60W	100W
A	275mm	275mm
B	160mm	165mm

SIMPLITZ® Highbay Cold Storage

Photometrics

Light Distribution Curve



Illuminance at a distance

60W & 100W

	Center Beam Lux/klm	Beam Width H
0.5m	2123	0.93m
1.0m	531	1.87m
1.5m	236	2.80m
2.0m	133	3.73m
2.5m	85	4.66m
3.0m	59	5.60m

For feet multiply by 3.28

■ Horiz. Spread: 86.0°
 For fc divide by 10.7

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values

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Ordering Codes

Fixture

Short Text	Power	CCT	IC	EAN40
SIM HB Cold Storage 60W 840 90D	60W	4000K	AM410860055	4052899624269
SIM HB Cold Storage 60W 850 90D	60W	5000K	AM410870055	4052899624276
SIM HB Cold Storage 100W 840 90D	100W	4000K	AM410880055	4052899624283
SIM HB Cold Storage 100W 850 90D	100W	5000K	AM410890055	4052899624290

The OSRAM logo is displayed in a bold, orange, sans-serif font.