

Simplitz® Highbay G2 Datasheet



IP65

Simplitz® Highbay G2 series is highly efficient and reliable LED highbay luminaries. With high system efficacy up to 140 lm/W and the state-of-the-art LED technology, it offers flexible options in optics, powers, control, accessories and mounting methods. Simplitz® Highbay G2 series provides safe, appropriate and secure lighting experience in any industrial application and it is the first choice for any new or retrofit installations.

Benefits

Flexible options

- Five wattage ranges
- Lumen output from 7,000 lm to 31,500 lm
- Color temperature 4000K/5700K
- ON/OFF version and DALI version (available on request)

Robust and reliable

- 50,000hrs lifetime
- IP65, IK08 rated

Safe and efficient

- Backup hook reserved for safety chain/cable
- Eye safety according to IEC
- CRI80 for better color representation
- System efficacy up to 140 lm/W

Versatile application

- Multiple mounting methods
- Compact and easy installation

Applications

- Workshops, assembly lines
- Storages, logistics
- Industrial and commercial halls
- Public areas (airports, stations, stadiums)
- Auxiliary rooms, car parks

Simplitz® Highbay G2

Technical Data

Optical Specifications

	50W	75W	125W	175W	225W
Luminous Flux	7,000 lm	10,500 lm	17,500 lm	24,500 lm	31,500 lm
Efficacy 4000K	140 lm/W				
CCT	4000K, 5700K				
CRI	>80				
SDCM	5				
Beam Angle	90°				

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz					
Power Consumption	50W	75W	125W	175W	225W	
Power Factor	>0.95					
Total Harmonic Distortion	<10%					
Surge Protection	Line-to-line 20KV, line-to-ground 10KV					
Ripple Current	±5%					
Dimensions	Diameter	260mm	260mm	310mm	400mm	400mm
	Height	119mm				
Weight	2.8kg	2.8kg	3.2kg	4kg	4kg	
Cover Lens	Clear PC cover					
Housing	Aluminum housing					

System Specifications

Power	AC line				
Control	ON/OFF, *DALI				
Installation	Surface and suspended mounting				
Operating Temperature	-30°C to +50°C			-30°C to +45°C	
Storage Temperature	-35°C to +85°C				
Environment	Outdoor (IP65, IK08)				
Lumen Maintenance	L70 @35°C - 50,000hrs				
Safety Approval	Electrical Protection Class I, CB, CCC				

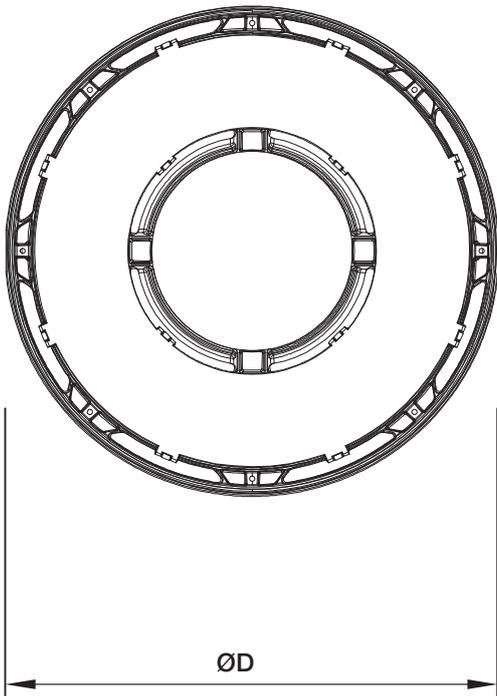
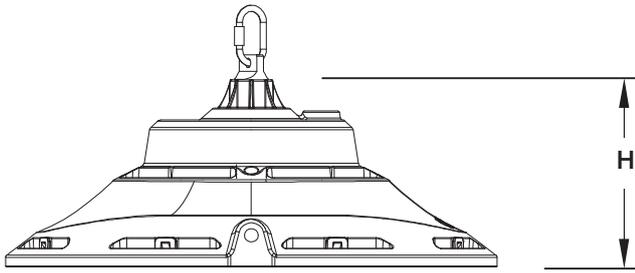
Items with * are non-standard items and are available on request.

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.

Simplitz® Highbay G2
Dimensions



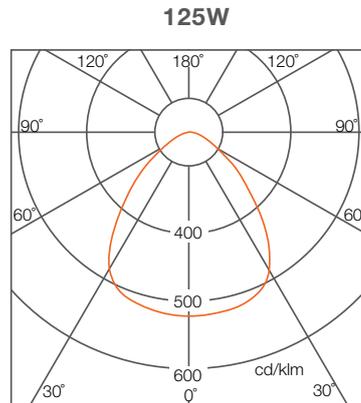
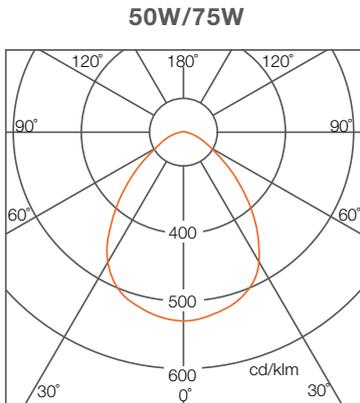
Dimensions

	50W	75W	125W	175W	225W
ΦD	260mm	260mm	310mm	400mm	400mm
H	119mm				

Simplitz® Highbay G2

Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width H
0.5m	2076	0.92m
1.0m	519	1.85m
1.5m	231	2.77m
2.0m	130	3.69m
2.5m	83	4.61m
3.0m	58	5.54m

For feet multiply by 3.28

● Horiz. Spread: 85.4°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width H
0.5m	2028	0.93m
1.0m	507	1.87m
1.5m	225	2.80m
2.0m	127	3.73m
2.5m	81	4.66m
3.0m	56	5.60m

For feet multiply by 3.28

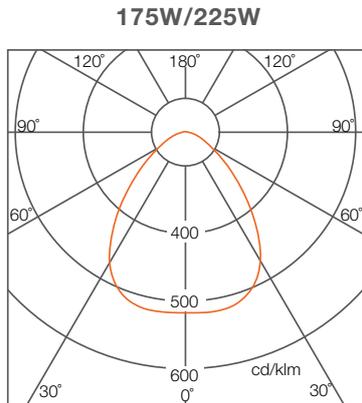
● Horiz. Spread: 86.0°
For fc divide by 10.7

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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Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width H
0.5m	2041	0.91m
1.0m	510	1.82m
1.5m	227	2.73m
2.0m	128	3.64m
2.5m	82	4.55m
3.0m	57	5.46m

For feet multiply by 3.28

● Horiz. Spread: 84.6°
For ft 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	Beam Angle	Material	EAN40
SIM HB G2 50W 840 90D GY VS1 OSRAM	50W	4000K	90°	AM179350055	4052899584891
SIM HB G2 50W 857 90D GY VS1 OSRAM	50W	5700K	90°	AM179360055	4052899584907
SIM HB G2 75W 840 90D GY VS1 OSRAM	75W	4000K	90°	AM179370055	4052899584914
SIM HB G2 75W 857 90D GY VS1 OSRAM	75W	5700K	90°	AM179380055	4052899584921
SIM HB G2 125W 840 90D GY VS1 OSRAM	125W	4000K	90°	AM179390055	4052899584938
SIM HB G2 125W 857 90D GY VS1 OSRAM	125W	5700K	90°	AM179400055	4052899584945
SIM HB G2 175W 840 90D GY VS1 OSRAM	175W	4000K	90°	AM179410055	4052899584952
SIM HB G2 175W 857 90D GY VS1 OSRAM	175W	5700K	90°	AM179420055	4052899584969
SIM HB G2 225W 840 90D GY VS1 OSRAM	225W	4000K	90°	AM179430055	4052899584976
SIM HB G2 225W 857 90D GY VS1 OSRAM	225W	5700K	90°	AM179440055	4052899584983

Accessories

Short Text	Material	EAN10	EAN40
SIM HB G2 BRACKET L GY VS6 OSRAM	AM179470055	4052899589230	4052899588868
SIM HB G2 BRACKET M GY VS6 OSRAM	AM179460055	4052899589223	4052899588851
SIM HB G2 BRACKET S GY VS6 OSRAM	AM179450055	4052899589216	4052899588820