Simplitz® Highbay V2
Datasheet

IP65

Simplitz® Highbay V2 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 V2 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

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 V2
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

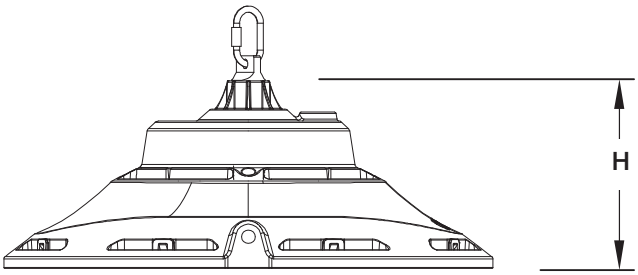
Power	AC line
Control	ON/OFF
Installation	Surface and suspended mounting
Operating Temperature	–30°C to +45°C
Storage Temperature	–35°C to +85°C
Environment	Outdoor (IP65, IK08)
Lumen Maintenance	L70 @35°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CB, CCC

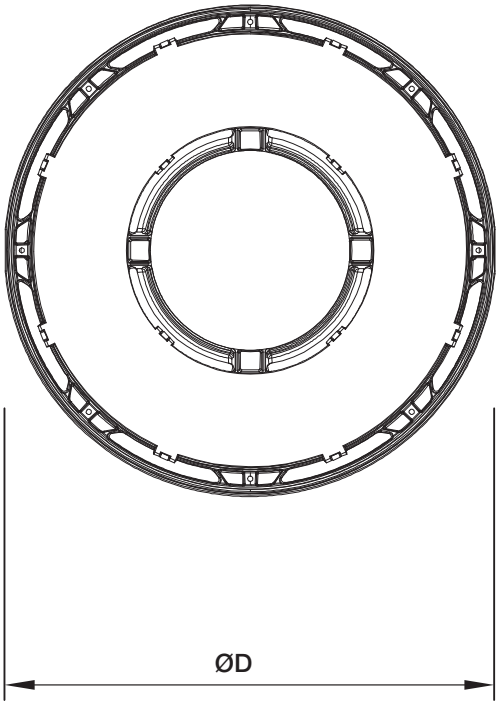
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

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 V2
Dimensions





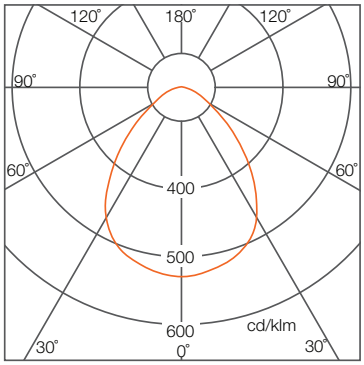
Dimensions

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

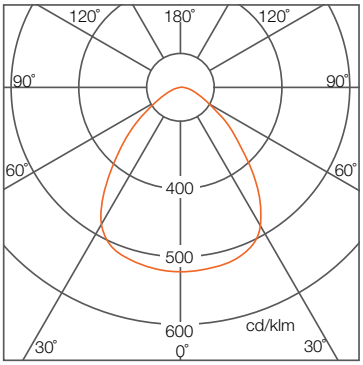
Simplitz® Highbay V2
Photometrics

Light Distribution Curve

50W/75W



125W



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

Horiz. Spread: 85.4°
For fc divide by 10.7
For feet multiply by 3.28

	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

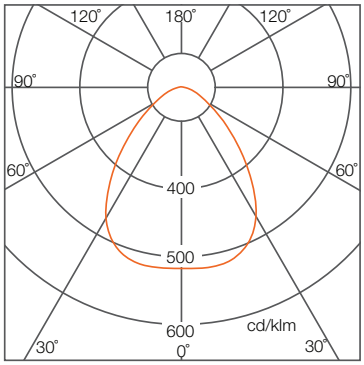
Horiz. Spread: 86.0°
For fc divide by 10.7
For feet multiply by 3.28

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.

Simplitz® Highbay V2
Photometrics

Light Distribution Curve

175W/225W



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

Horiz. Spread: 84.6°

For feet multiply by 3.28

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.

Simplitz® Highbay V2
Ordering Codes

Fixture

Short Text	Power	CCT	Beam Angle	Material	EAN40
SIM HB V2 225W 857 90D GY VS1 OSRAM	225W	5700K	90°	AM434160055	4052899584983
SIM HB V2 225W 840 90D GY VS1 OSRAM	225W	4000K	90°	AM434170055	4052899584976
SIM HB V2 175W 857 90D GY VS1 OSRAM	175W	5700K	90°	AM434180055	4052899584969
SIM HB V2 175W 840 90D GY VS1 OSRAM	175W	4000K	90°	AM434190055	4052899584952
SIM HB V2 125W 857 90D GY VS1 OSRAM	125W	5700K	90°	AM434200055	4052899584945
SIM HB V2 125W 840 90D GY VS1 OSRAM	125W	4000K	90°	AM434210055	4052899584938
SIM HB V2 75W 857 90D GY VS1 OSRAM	75W	5700K	90°	AM434220055	4052899584921
SIM HB V2 75W 840 90D GY VS1 OSRAM	75W	4000K	90°	AM434230055	4052899584914
SIM HB V2 50W 857 90D GY VS1 OSRAM	50W	5700K	90°	AM434240055	4052899584907
SIM HB V2 50W 840 90D GY VS1 OSRAM	50W	4000K	90°	AM434250055	4052899584891

OSRAM