

SIMPLITZ® Highbay V3 Datasheet



IP66

SIMPLITZ® Highbay V3 series is highly efficient and reliable LED highbay luminaires. With high system efficacy up to 160lm/W and the state-of-art LED technology, it offers flexible options in optics, control, accessories and mounting methods. SIMPLITZ® Highbay V3 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

- 9 wattage ranges
- Lumen output from 8,000lm to 38,400lm
- Color temperature 3000K/4000K/5700K
- ON/OFF, 0-10V DIM and DALI version

Robust and reliable

- 50,000hrs lifetime
- IP66, IK08 rated

Safe and efficient

- System efficacy up to 160lm/W
- Eye safety according to IEC
- CRI80 for better color representation
- Backup hook reserved for safety chain/cable

Versatile application

- Multiple mounting methods
- Compact and easy installation

Applications

- Workshops, assembly lines
- Warehouse, logistics
- Industrial and commercial halls
- Public areas (airports, stations, stadiums)

SIMPLITZ® Highbay V3

Technical Data

Optical Specifications

		S		M		L	XL		
		50W	75W	100W	125W	150W	175W	200W	225W 240W
Luminous Flux	@4000K	8,000lm	12,000lm	16,000lm	20,000lm	24,000lm	28,000lm	32,000lm	36,000lm 38,400lm
Efficacy	@4000K	160lm/W							
CCT		3000K, 4000K, 5700K							
CRI		>80							
SDCM		<5							
UGR	@ON/OFF	≤19@60° , ≤22@90°							
Beam Angle		60° , 90°							

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz								
Power Consumption		50W	75W	100W	125W	150W	175W	200W	225W 240W
Power Factor		>0.95							
Total Harmonic Distortion		<15%							
Surge Protection		Line-to-line 10KV, line-to-ground 10KV							
Dimensions (mm)	Diameter	270	270	270	270	310	350	350	390 390
	Height	162	162	162	162	172	177	177	177 177
Weight (kg)		2.8	2.8	2.8	2.8	3	4	4	4.5 4.5
Cover Lens		Clear PC Cover							
Housing		Die-casting Aluminum housing, RAL9007							

System Specifications

Power	220-240V AC 50/60Hz
Control	ON/OFF, 1-10V DIM, DALI
Mounting	Suspended,surface mounting (The bracket accessories need to be purchased separately)
Operating Temperature	-30°C to +50°C
Storage Temperature	-30°C to +70°C
Environment	Indoor (IP66,IK08)
Lumen Maintenance	L70@35°C - 50,000hrs
Safety Approval	Electrical Protection Class I, CCC, CE, UKCA, RoHS
Warranty	5 Years

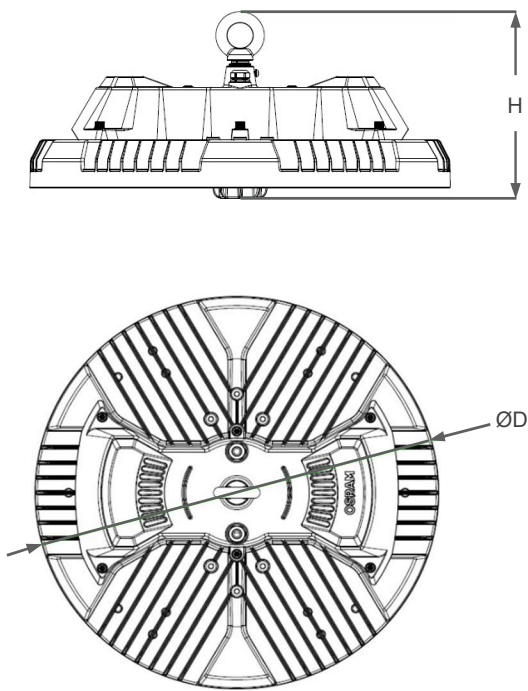
Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

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 V3

Dimensions



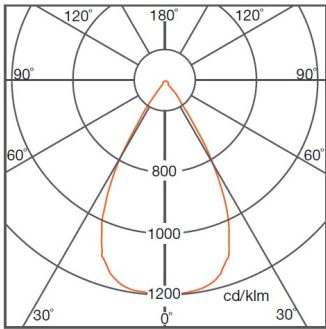
Dimensions

	50W	75W	100W	125W	150W	175W	200W	225W	240W
ØD	270mm	270mm	270mm	270mm	310mm	350mm	350mm	390mm	390mm
H	162mm	162mm	162mm	162mm	172mm	177mm	177mm	177mm	177mm

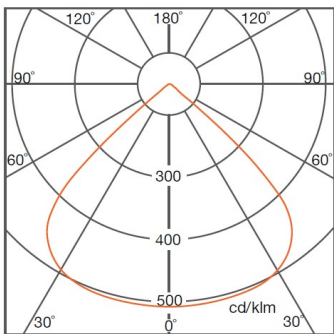
Ordering Codes

Light Distribution Curve

60°



90°



Illuminance at a distance

	Center Beam Lux/klm	Beam Width H
0.5m	4793	0.55m
1.0m	1198	1.10m
1.5m	533	1.66m
2.0m	300	2.21m
2.5m	192	2.76m
3.0m	133	3.31m

For feet multiply by 3.28
Horiz. Spread: 57.8°
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width H
0.5m	2052	1.08m
1.0m	513	2.15m
1.5m	228	3.23m
2.0m	128	4.30m
2.5m	82	5.38m
3.0m	57	6.46m

For feet multiply by 3.28
Horiz. Spread: 94.2°
For fc divide by 10.7

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 V3

Ordering Codes

Fixture (ON/OFF & 1-10V DIM Version)

Short text	Power	Size	CCT	Beam Angle	IC	Control
SIM HB V3 50W 830 60D DIM GY VS1 OSRAM	50W	S	3000K	60°	GL23100006555	ON/OFF, 1-10V DIM
SIM HB V3 50W 840 60D DIM GY VS1 OSRAM	50W	S	4000K	60°	GL23100006655	ON/OFF, 1-10V DIM
SIM HB V3 50W 857 60D DIM GY VS1 OSRAM	50W	S	5700K	60°	GL23100006755	ON/OFF, 1-10V DIM
SIM HB V3 50W 830 90D DIM GY VS1 OSRAM	50W	S	3000K	90°	GL23100006855	ON/OFF, 1-10V DIM
SIM HB V3 50W 840 90D DIM GY VS1 OSRAM	50W	S	4000K	90°	GL23100006955	ON/OFF, 1-10V DIM
SIM HB V3 50W 857 90D DIM GY VS1 OSRAM	50W	S	5700K	90°	GL23100007055	ON/OFF, 1-10V DIM
SIM HB V3 75W 830 60D DIM GY VS1 OSRAM	75W	S	3000K	60°	GL23100007155	ON/OFF, 1-10V DIM
SIM HB V3 75W 840 60D DIM GY VS1 OSRAM	75W	S	4000K	60°	GL23100007255	ON/OFF, 1-10V DIM
SIM HB V3 75W 857 60D DIM GY VS1 OSRAM	75W	S	5700K	60°	GL23100007355	ON/OFF, 1-10V DIM
SIM HB V3 75W 830 90D DIM GY VS1 OSRAM	75W	S	3000K	90°	GL23100007455	ON/OFF, 1-10V DIM
SIM HB V3 75W 840 90D DIM GY VS1 OSRAM	75W	S	4000K	90°	GL23100007555	ON/OFF, 1-10V DIM
SIM HB V3 75W 857 90D DIM GY VS1 OSRAM	75W	S	5700K	90°	GL23100007655	ON/OFF, 1-10V DIM
SIM HB V3 100W 830 60D DIM GY VS1 OSRAM	100W	S	3000K	60°	GL23100007755	ON/OFF, 1-10V DIM
SIM HB V3 100W 840 60D DIM GY VS1 OSRAM	100W	S	4000K	60°	GL23100007855	ON/OFF, 1-10V DIM
SIM HB V3 100W 857 60D DIM GY VS1 OSRAM	100W	S	5700K	60°	GL23100007955	ON/OFF, 1-10V DIM
SIM HB V3 100W 830 90D DIM GY VS1 OSRAM	100W	S	3000K	90°	GL23100008055	ON/OFF, 1-10V DIM
SIM HB V3 100W 840 90D DIM GY VS1 OSRAM	100W	S	4000K	90°	GL23100008155	ON/OFF, 1-10V DIM
SIM HB V3 100W 857 90D DIM GY VS1 OSRAM	100W	S	5700K	90°	GL23100008255	ON/OFF, 1-10V DIM
SIM HB V3 125W 830 60D DIM GY VS1 OSRAM	125W	S	3000K	60°	GL23100008355	ON/OFF, 1-10V DIM
SIM HB V3 125W 840 60D DIM GY VS1 OSRAM	125W	S	4000K	60°	GL23100008455	ON/OFF, 1-10V DIM
SIM HB V3 125W 857 60D DIM GY VS1 OSRAM	125W	S	5700K	60°	GL23100008555	ON/OFF, 1-10V DIM
SIM HB V3 125W 830 90D DIM GY VS1 OSRAM	125W	S	3000K	90°	GL23100008655	ON/OFF, 1-10V DIM
SIM HB V3 125W 840 90D DIM GY VS1 OSRAM	125W	S	4000K	90°	GL23100008755	ON/OFF, 1-10V DIM
SIM HB V3 125W 857 90D DIM GY VS1 OSRAM	125W	S	5700K	90°	GL23100008855	ON/OFF, 1-10V DIM
SIM HB V3 150W 830 60D DIM GY VS1 OSRAM	150W	M	3000K	60°	GL23100008955	ON/OFF, 1-10V DIM
SIM HB V3 150W 840 60D DIM GY VS1 OSRAM	150W	M	4000K	60°	GL23100009055	ON/OFF, 1-10V DIM
SIM HB V3 150W 857 60D DIM GY VS1 OSRAM	150W	M	5700K	60°	GL23100009155	ON/OFF, 1-10V DIM
SIM HB V3 150W 830 90D DIM GY VS1 OSRAM	150W	M	3000K	90°	GL23100009255	ON/OFF, 1-10V DIM
SIM HB V3 150W 840 90D DIM GY VS1 OSRAM	150W	M	4000K	90°	GL23100009355	ON/OFF, 1-10V DIM
SIM HB V3 150W 857 90D DIM GY VS1 OSRAM	150W	M	5700K	90°	GL23100009455	ON/OFF, 1-10V DIM
SIM HB V3 175W 830 60D DIM GY VS1 OSRAM	175W	L	3000K	60°	GL23100009555	ON/OFF, 1-10V DIM
SIM HB V3 175W 840 60D DIM GY VS1 OSRAM	175W	L	4000K	60°	GL23100009655	ON/OFF, 1-10V DIM
SIM HB V3 175W 857 60D DIM GY VS1 OSRAM	175W	L	5700K	60°	GL23100009755	ON/OFF, 1-10V DIM
SIM HB V3 175W 830 90D DIM GY VS1 OSRAM	175W	L	3000K	90°	GL23100009855	ON/OFF, 1-10V DIM
SIM HB V3 175W 840 90D DIM GY VS1 OSRAM	175W	L	4000K	90°	GL23100009955	ON/OFF, 1-10V DIM
SIM HB V3 175W 857 90D DIM GY VS1 OSRAM	175W	L	5700K	90°	GL23100010055	ON/OFF, 1-10V DIM
SIM HB V3 200W 830 60D DIM GY VS1 OSRAM	200W	L	3000K	60°	GL23100010155	ON/OFF, 1-10V DIM
SIM HB V3 200W 840 60D DIM GY VS1 OSRAM	200W	L	4000K	60°	GL23100010255	ON/OFF, 1-10V DIM
SIM HB V3 200W 857 60D DIM GY VS1 OSRAM	200W	L	5700K	60°	GL23100010355	ON/OFF, 1-10V DIM
SIM HB V3 200W 830 90D DIM GY VS1 OSRAM	200W	L	3000K	90°	GL23100010455	ON/OFF, 1-10V DIM
SIM HB V3 200W 840 90D DIM GY VS1 OSRAM	200W	L	4000K	90°	GL23100010555	ON/OFF, 1-10V DIM
SIM HB V3 200W 857 90D DIM GY VS1 OSRAM	200W	L	5700K	90°	GL23100010655	ON/OFF, 1-10V DIM
SIM HB V3 225W 830 60D DIM GY VS1 OSRAM	225W	XL	3000K	60°	GL23100010755	ON/OFF, 1-10V DIM
SIM HB V3 225W 840 60D DIM GY VS1 OSRAM	225W	XL	4000K	60°	GL23100010855	ON/OFF, 1-10V DIM
SIM HB V3 225W 857 60D DIM GY VS1 OSRAM	225W	XL	5700K	60°	GL23100010955	ON/OFF, 1-10V DIM
SIM HB V3 225W 830 90D DIM GY VS1 OSRAM	225W	XL	3000K	90°	GL23100011055	ON/OFF, 1-10V DIM
SIM HB V3 225W 840 90D DIM GY VS1 OSRAM	225W	XL	4000K	90°	GL23100011155	ON/OFF, 1-10V DIM
SIM HB V3 225W 857 90D DIM GY VS1 OSRAM	225W	XL	5700K	90°	GL23100011255	ON/OFF, 1-10V DIM
SIM HB V3 240W 830 60D DIM GY VS1 OSRAM	240W	XL	3000K	60°	GL23100011355	ON/OFF, 1-10V DIM
SIM HB V3 240W 840 60D DIM GY VS1 OSRAM	240W	XL	4000K	60°	GL23100011455	ON/OFF, 1-10V DIM
SIM HB V3 240W 857 60D DIM GY VS1 OSRAM	240W	XL	5700K	60°	GL23100011555	ON/OFF, 1-10V DIM
SIM HB V3 240W 830 90D DIM GY VS1 OSRAM	240W	XL	3000K	90°	GL23100011655	ON/OFF, 1-10V DIM
SIM HB V3 240W 840 90D DIM GY VS1 OSRAM	240W	XL	4000K	90°	GL23100011755	ON/OFF, 1-10V DIM
SIM HB V3 240W 857 90D DIM GY VS1 OSRAM	240W	XL	5700K	90°	GL23100011855	ON/OFF, 1-10V DIM

SIMPLITZ® Highbay V3

Ordering Codes

Fixture (DALI version)

Short text	Power	Size	CCT	Beam Angle	IC	Control
SIM HB V3 50W 830 60D DA GY VS1 OSRAM	50W	S	3000K	60°	GL23100011955	DALI
SIM HB V3 50W 840 60D DA GY VS1 OSRAM	50W	S	4000K	60°	GL23100012055	DALI
SIM HB V3 50W 857 60D DA GY VS1 OSRAM	50W	S	5700K	60°	GL23100012155	DALI
SIM HB V3 50W 830 90D DA GY VS1 OSRAM	50W	S	3000K	90°	GL23100012255	DALI
SIM HB V3 50W 840 90D DA GY VS1 OSRAM	50W	S	4000K	90°	GL23100012355	DALI
SIM HB V3 50W 857 90D DA GY VS1 OSRAM	50W	S	5700K	90°	GL23100012455	DALI
SIM HB V3 75W 830 60D DA GY VS1 OSRAM	75W	S	3000K	60°	GL23100012555	DALI
SIM HB V3 75W 840 60D DA GY VS1 OSRAM	75W	S	4000K	60°	GL23100012655	DALI
SIM HB V3 75W 857 60D DA GY VS1 OSRAM	75W	S	5700K	60°	GL23100012755	DALI
SIM HB V3 75W 830 90D DA GY VS1 OSRAM	75W	S	3000K	90°	GL23100012855	DALI
SIM HB V3 75W 840 90D DA GY VS1 OSRAM	75W	S	4000K	90°	GL23100012955	DALI
SIM HB V3 75W 857 90D DA GY VS1 OSRAM	75W	S	5700K	90°	GL23100013055	DALI
SIM HB V3 100W 830 60D DA GY VS1 OSRAM	100W	S	3000K	60°	GL23100013155	DALI
SIM HB V3 100W 840 60D DA GY VS1 OSRAM	100W	S	4000K	60°	GL23100013255	DALI
SIM HB V3 100W 857 60D DA GY VS1 OSRAM	100W	S	5700K	60°	GL23100013355	DALI
SIM HB V3 100W 830 90D DA GY VS1 OSRAM	100W	S	3000K	90°	GL23100013455	DALI
SIM HB V3 100W 840 90D DA GY VS1 OSRAM	100W	S	4000K	90°	GL23100013555	DALI
SIM HB V3 100W 857 90D DA GY VS1 OSRAM	100W	S	5700K	90°	GL23100013655	DALI
SIM HB V3 125W 830 60D DA GY VS1 OSRAM	125W	S	3000K	60°	GL23100013755	DALI
SIM HB V3 125W 840 60D DA GY VS1 OSRAM	125W	S	4000K	60°	GL23100013855	DALI
SIM HB V3 125W 857 60D DA GY VS1 OSRAM	125W	S	5700K	60°	GL23100013955	DALI
SIM HB V3 125W 830 90D DA GY VS1 OSRAM	125W	S	3000K	90°	GL23100014055	DALI
SIM HB V3 125W 840 90D DA GY VS1 OSRAM	125W	S	4000K	90°	GL23100014155	DALI
SIM HB V3 125W 857 90D DA GY VS1 OSRAM	125W	S	5700K	90°	GL23100014255	DALI
SIM HB V3 150W 830 60D DA GY VS1 OSRAM	150W	M	3000K	60°	GL23100014355	DALI
SIM HB V3 150W 840 60D DA GY VS1 OSRAM	150W	M	4000K	60°	GL23100014455	DALI
SIM HB V3 150W 857 60D DA GY VS1 OSRAM	150W	M	5700K	60°	GL23100014555	DALI
SIM HB V3 150W 830 90D DA GY VS1 OSRAM	150W	M	3000K	90°	GL23100014655	DALI
SIM HB V3 150W 840 90D DA GY VS1 OSRAM	150W	M	4000K	90°	GL23100014755	DALI
SIM HB V3 150W 857 90D DA GY VS1 OSRAM	150W	M	5700K	90°	GL23100014855	DALI
SIM HB V3 175W 830 60D DA GY VS1 OSRAM	175W	L	3000K	60°	GL23100014955	DALI
SIM HB V3 175W 840 60D DA GY VS1 OSRAM	175W	L	4000K	60°	GL23100015055	DALI
SIM HB V3 175W 857 60D DA GY VS1 OSRAM	175W	L	5700K	60°	GL23100015155	DALI
SIM HB V3 175W 830 90D DA GY VS1 OSRAM	175W	L	3000K	90°	GL23100015255	DALI
SIM HB V3 175W 840 90D DA GY VS1 OSRAM	175W	L	4000K	90°	GL23100015355	DALI
SIM HB V3 175W 857 90D DA GY VS1 OSRAM	175W	L	5700K	90°	GL23100015455	DALI
SIM HB V3 200W 830 60D DA GY VS1 OSRAM	200W	L	3000K	60°	GL23100015555	DALI
SIM HB V3 200W 840 60D DA GY VS1 OSRAM	200W	L	4000K	60°	GL23100015655	DALI
SIM HB V3 200W 857 60D DA GY VS1 OSRAM	200W	L	5700K	60°	GL23100015755	DALI
SIM HB V3 200W 830 90D DA GY VS1 OSRAM	200W	L	3000K	90°	GL23100015855	DALI
SIM HB V3 200W 840 90D DA GY VS1 OSRAM	200W	L	4000K	90°	GL23100015955	DALI
SIM HB V3 200W 857 90D DA GY VS1 OSRAM	200W	L	5700K	90°	GL23100016055	DALI
SIM HB V3 225W 830 60D DA GY VS1 OSRAM	225W	XL	3000K	60°	GL23100016155	DALI
SIM HB V3 225W 840 60D DA GY VS1 OSRAM	225W	XL	4000K	60°	GL23100016255	DALI
SIM HB V3 225W 857 60D DA GY VS1 OSRAM	225W	XL	5700K	60°	GL23100016355	DALI
SIM HB V3 225W 830 90D DA GY VS1 OSRAM	225W	XL	3000K	90°	GL23100016455	DALI
SIM HB V3 225W 840 90D DA GY VS1 OSRAM	225W	XL	4000K	90°	GL23100016555	DALI
SIM HB V3 225W 857 90D DA GY VS1 OSRAM	225W	XL	5700K	90°	GL23100016655	DALI
SIM HB V3 240W 830 60D DA GY VS1 OSRAM	240W	XL	3000K	60°	GL23100016755	DALI
SIM HB V3 240W 840 60D DA GY VS1 OSRAM	240W	XL	4000K	60°	GL23100016855	DALI
SIM HB V3 240W 857 60D DA GY VS1 OSRAM	240W	XL	5700K	60°	GL23100016955	DALI
SIM HB V3 240W 830 90D DA GY VS1 OSRAM	240W	XL	3000K	90°	GL23100017055	DALI
SIM HB V3 240W 840 90D DA GY VS1 OSRAM	240W	XL	4000K	90°	GL23100017155	DALI
SIM HB V3 240W 857 90D DA GY VS1 OSRAM	240W	XL	5700K	90°	GL23100017255	DALI

