

## LED COMFO® Highbay V3

### Datasheet



LED COMFO® Highbay V3 series is highly efficient and reliable LED highbay luminaries that can be used in dusty and humid environment. The well-designed die-casting aluminum heat sink with high-efficiency lens achieve a perfect balance between convenience and practicality. LED COMFO® Highbay V3 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
- Maintain desired illumination throughout lifecycle
- Easy transportation and installation. Low maintenance cost

#### Safe and reliable

- Compact and light weight
- IP65, IK08
- 50,000hrs lifetime

#### Visual comfort

- CRI > 80
- Optional reflector for better glare control

#### Applications

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

## LED COMFO® Highbay V3

### Technical Data

		55W	90W	150W	200W
<b>Luminous Flux</b>	3000K	6,875 lm	11,250 lm	18,750 lm	25,000 lm
	4000K	6,930 lm	11,340 lm	18,900 lm	25,200 lm
	5700K	7,150 lm	11,700 lm	19,500 lm	25,600 lm
<b>Efficacy</b>	3000K	125 lm/W			
	4000K	126 lm/W			
	5700K	128 lm/W			
<b>CCT</b>		3000K, 4000K, 5700K			
<b>CRI</b>		>80			
<b>SDCM</b>		5			
<b>Beam Angle</b>		90°			

### Electrical and Mechanical Specifications

<b>Input Voltage</b>	220-240VAC 50/60Hz			
<b>Power Consumption</b>	55W	90W	150W	200W
<b>Power Factor</b>	0.9			
<b>Total Harmonic Distortion</b>	<20%			
<b>Surge Protection</b>	L/N-G 2KV			
<b>Dimensions (height)</b>	173mm	173mm	173mm	189mm
	(diameter)	300mm	300mm	300mm
<b>Weight</b>	1.8kg	1.8kg	1.8kg	2.8kg
<b>Cover Lens</b>	PC Lens			
<b>Housing</b>	Die-casting aluminum housing			

### System Specifications

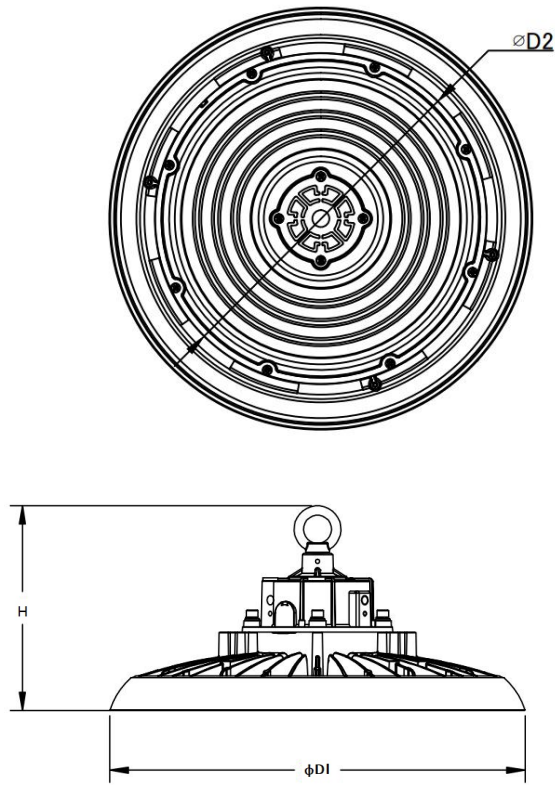
<b>Power</b>	AC line
<b>Dimming</b>	Yes
<b>Installation</b>	Chain/Surface mounting
<b>Working temperature</b>	-20°C to +50°C
<b>Storage Temperature</b>	-25°C to +70°C
<b>Environment</b>	Indoor (IP65, IK08)
<b>Lumen Maintenance</b>	L70@35°C - 50,000 hrs
<b>Safety Approval</b>	Electrical Protection Class 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.

**LED COMFO® Highbay V3**  
 Dimensions



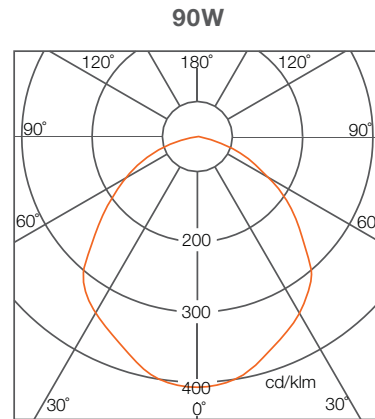
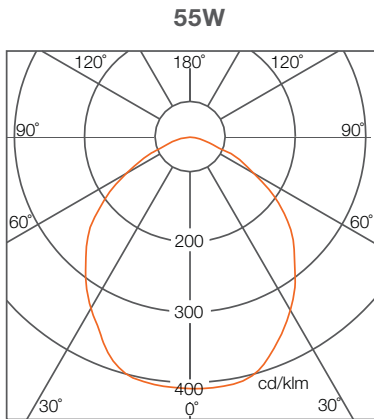
**Dimensions**

	55W	90W	150W	200W
H	173mm	173mm	173mm	189mm
$\varnothing D1$	300mm	300mm	300mm	360mm
$\varnothing D2$	235mm	235mm	235mm	290mm

# LED COMFO® Highbay V3

## Photometrics

### Light Distribution Curve



### Illuminance at a distance

	Center Beam Lux/klm	Beam Width H
0.5m	1660	1.01m
1.0m	415	2.03m
1.5m	184	3.04m
2.0m	103	4.06m
2.5m	66	5.07m
3.0m	46	6.09m

For feet multiply by 3.28

■ Horiz. Spread: 90.8°  
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width H
0.5m	1645	1.02m
1.0m	411	2.04m
1.5m	182	3.06m
2.0m	102	4.08m
2.5m	66	5.10m
3.0m	46	6.12m

For feet multiply by 3.28

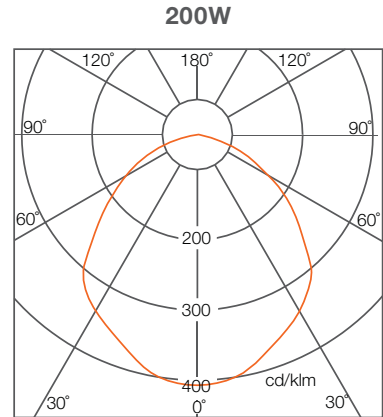
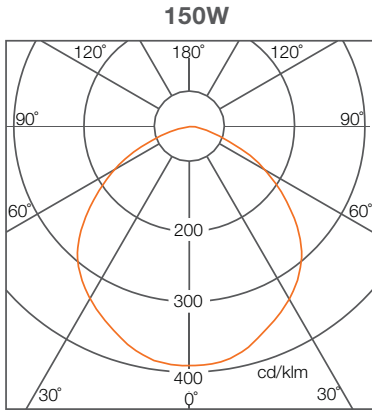
■ Horiz. Spread: 91.1°  
For fc divide by 10.7

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.

# LED COMFO® Highbay V3

## Photometrics

### Light Distribution Curve



### Illuminance at a distance

	Center Beam Lux/klm	Beam Width H
0.5m	1794	0.98m
1.0m	448	1.96m
1.5m	199	2.94m
2.0m	112	3.92m
2.5m	72	4.90m
3.0m	50	5.88m

For feet multiply by 3.28

■ Horiz. Spread: 89.8°  
For fc divide by 10.7

	Center Beam Lux/klm	Beam Width H
0.5m	1645	1.00m
1.0m	411	2.99m
1.5m	182	2.99m
2.0m	102	3.99m
2.5m	66	4.99m
3.0m	46	5.99m

For feet multiply by 3.28

■ Horiz. Spread: 89.9°  
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.

---

## LED COMFO® Highbay V3

### Ordering Codes

Short Text	Power	CCT	IC NO	EAN40 Code
LCM HB V3 55W 830 90D GY VS1 OSRAM	55W	3000K	AM407840055	4062172206419
LCM HB V3 55W 840 90D GY VS1 OSRAM	55W	4000K	AM407850055	4062172206426
LCM HB V3 55W 857 90D GY VS1 OSRAM	55W	5700K	AM407860055	4062172206433
LCM HB V3 90W 830 90D GY VS1 OSRAM	90W	3000K	AM407870055	4062172206440
LCM HB V3 90W 840 90D GY VS1 OSRAM	90W	4000K	AM407880055	4062172206457
LCM HB V3 90W 857 90D GY VS1 OSRAM	90W	5700K	AM407890055	4062172206464
LCM HB V3 150W 830 90D GY VS1 OSRAM	150W	3000K	AM407900055	4062172206471
LCM HB V3 150W 840 90D GY VS1 OSRAM	150W	4000K	AM407910055	4062172206488
LCM HB V3 150W 857 90D GY VS1 OSRAM	150W	5700K	AM407920055	4062172206495
LCM HB V3 200W 830 90D GY VS1 OSRAM	200W	3000K	AM407930055	4062172206501
LCM HB V3 200W 840 90D GY VS1 OSRAM	200W	4000K	AM407940055	4062172206518
LCM HB V3 200W 857 90D GY VS1 OSRAM	200W	5700K	AM407950055	4062172206525