

OPTIMAL LIGHT LED PERFORMANCE HIGHBAY



Voltage: 100-277

Life Hours: 100,000

Lumen: 185 Lm/W

0-10 Volt Dimming

The OPTIMAL LED PERFORMANCE HIGHBAY is a reliable and high efficacy LED highbay with aluminum die-cast housing for general-purpose applications. It provides performance LED alternative to traditional double-ended halogen-lamp highbay. The range is available in 4 housing sizes for different wattages to meet most of the application requirements. The long lifetime enables substantial energy and maintenance savings. A universal mounting bracket or ring allows wall or surface mounting that tilts upwards or downwards. The OPTIMAL LIGHT PERFORMANCE HIGHBAY is available in black housing.

Product Features & Benefits

- Available in 100W, 150W, 200W, 240W
- SMD 5050 LED design to maximize product reliability
- CRI Ra80
- High system efficiency up to 185lm/W
- Standard CCT: 4000k 5000k 6500K
- Aluminum die-cast housing
- Elegant slim design reduces windage
- Tempered frosted front glass to increase uniformity
- IP65 water and dust proof
- IK10 vandal-protected
- 0-10 volt Dimming
- Emergency Battery (optional)
- Available in black housing
- Up to 100000 hrs lifespan at 30°C reduces maintenance costs
- Built in breather
- Safety compliance certificates: CB CE SASO IECEE ROHS

Driver Certificates



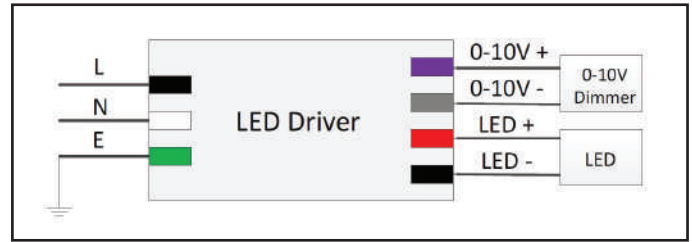
Data subject to change /June 2023

Dimming: 0-10 volt Dimming
Emergency Battery: Optional

Application Areas:

- Architecture and landscape lighting
- Industrial warehouses lighting
- Factory, airport, transportation station

DIMMING - 0-10 VOLT DIAGRAM



General Specifications

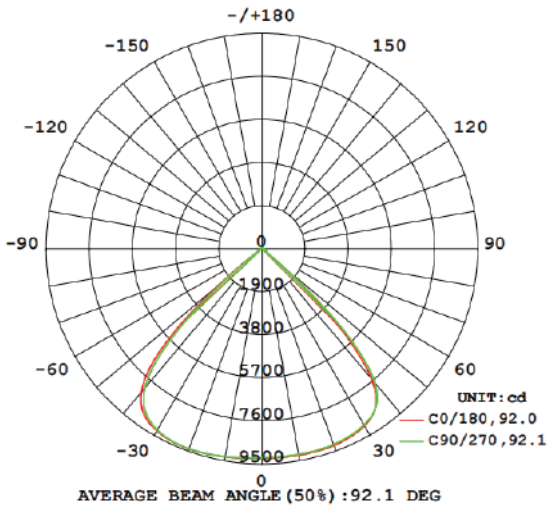


Optimal Light® LED PERFORMANCE HIGHBAY

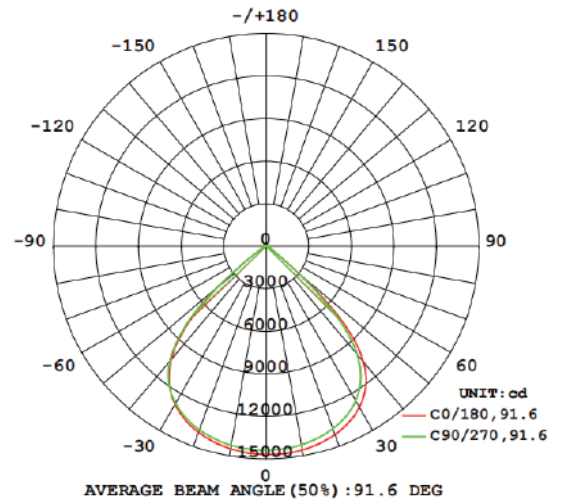
	PRODUCT CODE:	OPT HBG100	OPT HBG150	OPT HBG200	OPT HBG240
Electrical Data	Wattage	100	150	200	240W
	Rated Input Voltage	100 - 277VAC			
	Input current	0.83A max. 0.43A@230V	1.25A max. 0.65A@230V	1.67A max. 0.87A@230V	2.2Amax 1.2A@230V
	Power factor	>0.9			
	Line frequency	50/60Hz			
	Surge protection	6KV/6KV			
	Protection class	Class I			
Optical / Photometric	Rated lumens @4000&5000K	18500lm	27750lm	37000	44400
	Beam angle	90°			
	CCT (K)	6500K			
	CRI	Ra80			
	Lumen efficacy	185+lm/W@4000K & 5000K			
	Dimming	0-10 Volt Dimming			
	Rated lifetime	100,000 hrs @ L70 B50 30°C			
	Operating temperature	-20 -50°C			
Housing	Project area(m ²)	0.046	0.061	0.083	0.061
	Installation	Hanging ring, surface mounting.			
	Front glass	tempered glass			
	Heat sink	Die-cast Aluminum			
	Emergency	Optional			
	Ingress protection	IP65			
	Shock protection	IK10			
	Driver	SOSEN Driver			

Polar intensity diagram

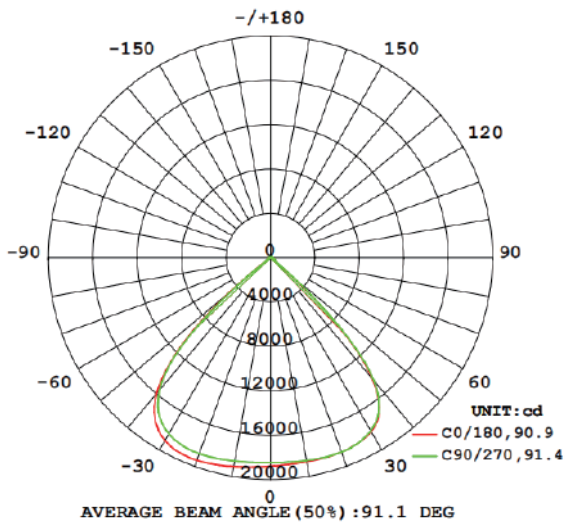
100W



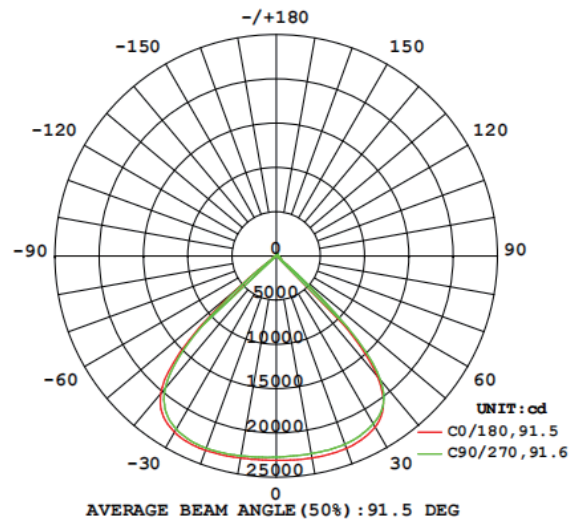
150W



200W



240W



PRODUCT MODEL CODE.

HIGHBAY 100 WATT: OPT HBG100 6500

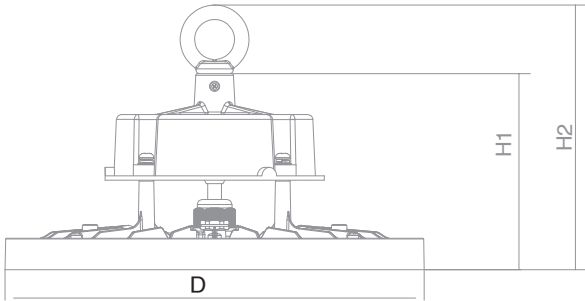
HIGHBAY 200 WATT: OPT HBG200 6500

HIGHBAY 150 WATT: OPT HBG150 6500

HIGHBAY 240 WATT: OPT HBG240 6500

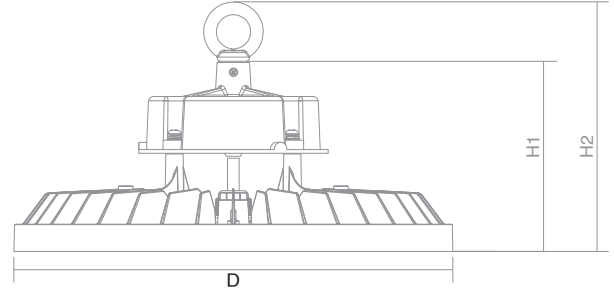
Drawing/Dimensions:

100W



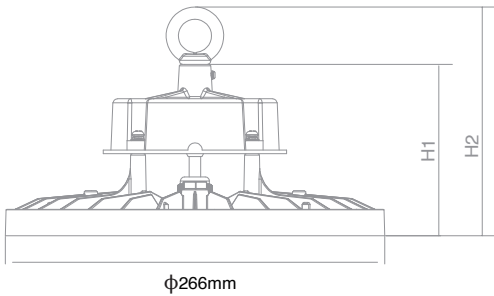
100W	D	H1	H2	Weight
	φ246mm	115mm	160mm	1.89kg

200W



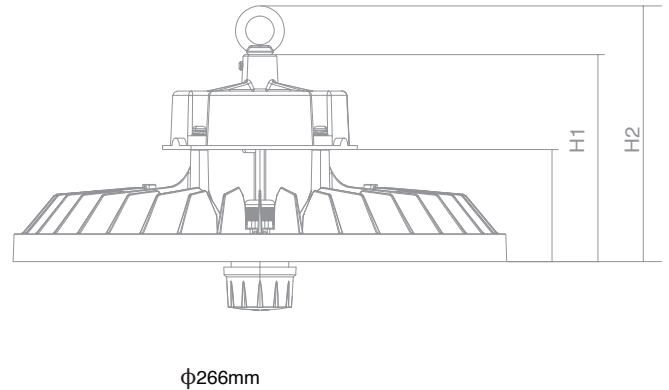
200W	D	H1	H2	Weight
	φ 300mm	129mm	172mm	2.3kg

150W



150W	Length	H1	H2	Weight
	φ 266mm	120mm	165mm	1.89kg

240W



240W	D	H1	H2	Weight
	φ 325mm	137mm	175mm	2.63kg

PRODUCT MODEL CODE.

HIGHBAY 100 WATT: OPT HBG100 6500

HIGHBAY 200 WATT:OPT HBG200 6500

HIGHBAY 150 WATT:OPT HBG150 6500

HIGHBAY 240 WATT:OPT HBG240 6500