LED HIGHBAY -100-2 00 WATTS

أوبتيمال لايت
Optimal Light

OPTIMAL LIGHT
LED PERFORMANCE HIGHBAY

IK 10

PHILIPS
LUMILEDS

TÜV SÜD

SOSEN

IP 65





Voltage: 100-2 40	Life Hours: 100,000	Lumen: 165 Lm/W	NON 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 2 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
- SMD 2835 LED PHILIPS LUMILED LED
- CRI Ra8 0
- High system efficiency up to 1 65lm/W
- Standard CCT: 4000K 5000K 6500K 3000K
- Aluminum die-cast housing
- Elegant slim design reduces windage
- Frosted PC dot lens to increase uniformity
- IP65 water and dust proof
- IK10 vandal-protected
- Non Dimming
- Emergency Battery (optional)
- Available in black housing
- Up to 100000 hrs lifespan at 30 ℃ reduces maintenance costs
- Built in breather
- Safety compliance certificates: CB CE SASO IECEE ROHS

DRIVER CERTIF ICATES

SOSEN

c US E360758

CE IP65



Data subject to change /Sep 2024

LED HIGHBAY -100-200 WATTS

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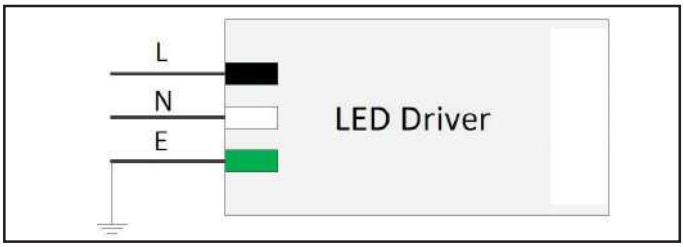
Dimming: Non Dimming, 0-10V dimmable optional

Emergency Battery: Optional

DIMMING - 0-10 VOLT DIAGRAM



Application Areas:

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

General Specifications

Optimal Light® LED PERFORMANCE HIGHBAY

	PRODUCT CODE:	OPT HBG6100	OPT HBG6 150	OPT HBG6 200
Electrical Data	Wattage	100	150	200
	Rated Input Voltage	100 - 240VAC		
	Input current	0.68A max. 0.39A@230V	0.98A max. 0.58A@230V	1.40A max. 0.77A@230V
	Power factor	>0.9		
	Line frequency	50/60Hz		
	Surge protection	6KV/6KV		
	Protection class	Class I		
Optical / Photometric	Rated lumens @4000&5000K	16500lm	24750lm	33000lm
	Beam angle	90°		
	CCT (K)	6500K 4000K 3000K		
	CRI	Ra80		
	Lumen efficacy	165+lm/W@4000K & 5000K		
	Dimming	Non Dimming		
	Rated lifetime	100,000 hrs @ L70 B50 30℃		
	Operating temperature	-20 -50℃		
Housing	Project area(m^2)	0.042	0.042	0.056
	Installation	Hanging ring, surface mounting.		
	Front diffuser	PC		
	Heat sink	Die-cast Aluminum		
	Emergency	Optional		
	Ingress protection	IP65		
	Shock protection	IK10		
	Driver	SOSEN Driver		

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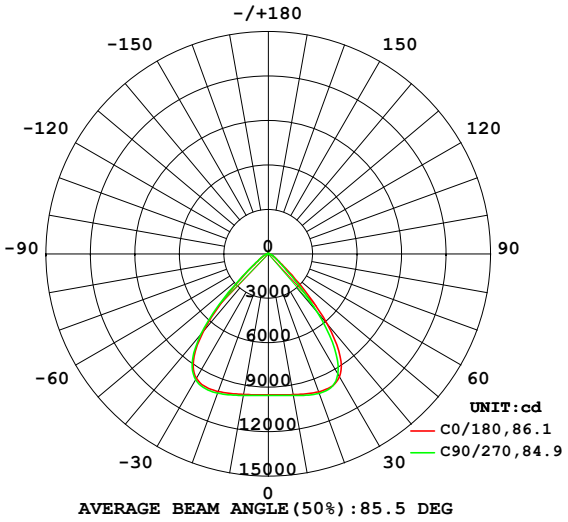
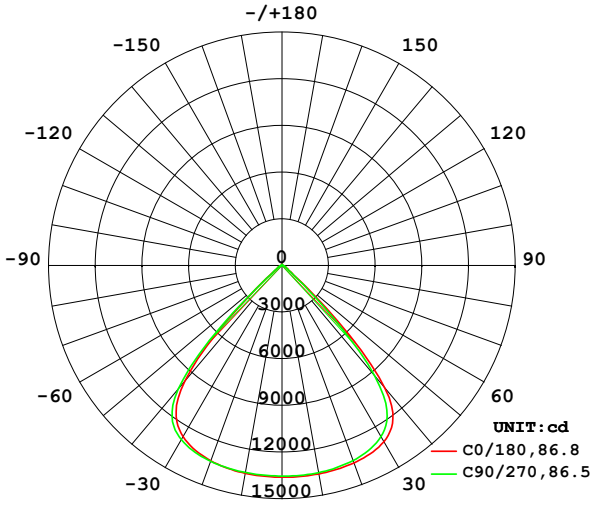
Polar intensity diagram

100 W



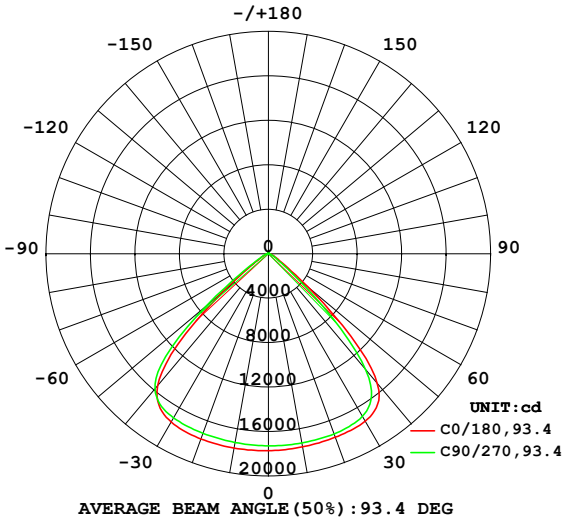
AVERAGE BEAM ANGLE(50%):85.5 DEG

150W



AVERAGE BEAM ANGLE(50%):86.7 DEG

200W



AVERAGE BEAM ANGLE(50%):93.4 DEG

PRODUCT MODEL CODE.	
HIGHBAY 100 WATT: OPT HBG6 100 6500	HIGHBAY 150 WATT:OPT HBG6 150 6500
HIGHBAY 200 WATT:OPT HBG6 200 6500	

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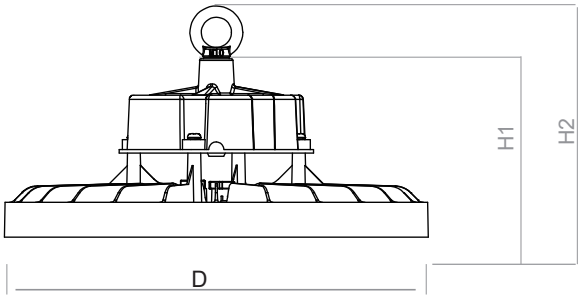
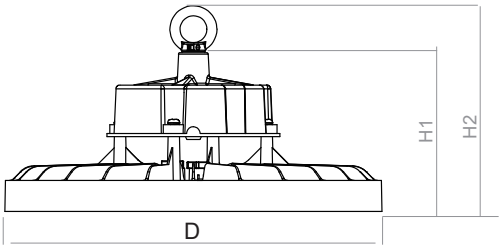
Drawing/Dimensions:

100W



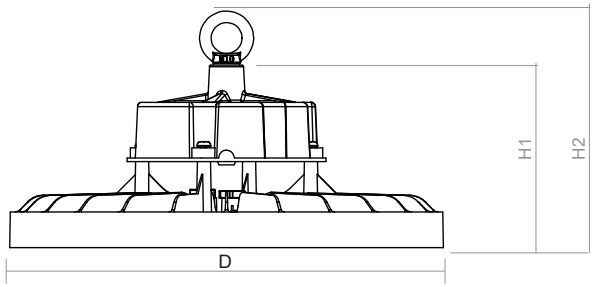
100W	D	H1	H2	Weight
	ϕ250mm	110mm	150mm	1.52kg

150W



150W	Length	H1	H2	Weight
	φ 250mm	110mm	150mm	1.58kg

200W



200W	D	H1	H2	Weight
	φ 280mm	120mm	160mm	2.15kg

PRODUCT MODEL CODE.	
HIGHBAY 100 WATT: OPT HBG6 100 6500	HIGHBAY 150 WATT:OPT HBG6 150 6500
HIGHBAY 200 WATT:OPT HBG6 200 6500	

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