

## OPTIMAL LIGHT LED PERFORMANCE HIGHBAY



MODEL:OPT HBG9



**PHILIPS  
LUMILEDS**



Voltage: 220-240

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 3 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 PHILIPS LUMILED
- CRI Ra80
- High system efficiency up to 165lm/W
- Standard CCT: 4000k 5000k 6500K
- 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°C reduces maintenance costs
- Built in breather
- Safety compliance certificates: CB CE SASO IECEE ROHS

### DRIVER CERTIFICATES



Data subject to change /Sep 2024

Dimming: Non dimmable ,0-10 volt Dimming optional

Emergency Battery: Optional

## Application Areas:

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

NON DIMMING - DIAGRAM



## General Specifications

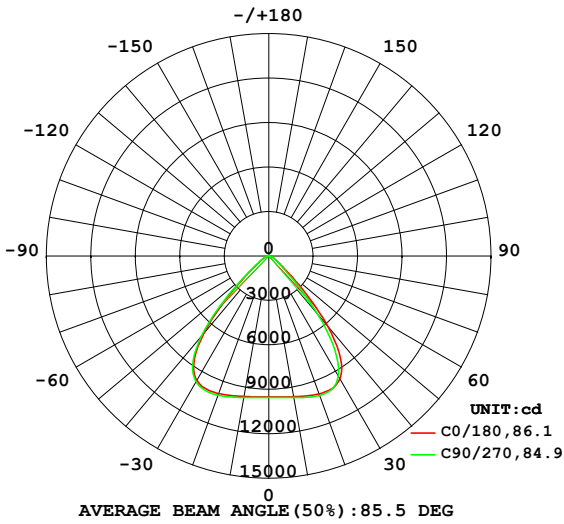


### Optimal Light® LED PERFORMANCE HIGHBAY

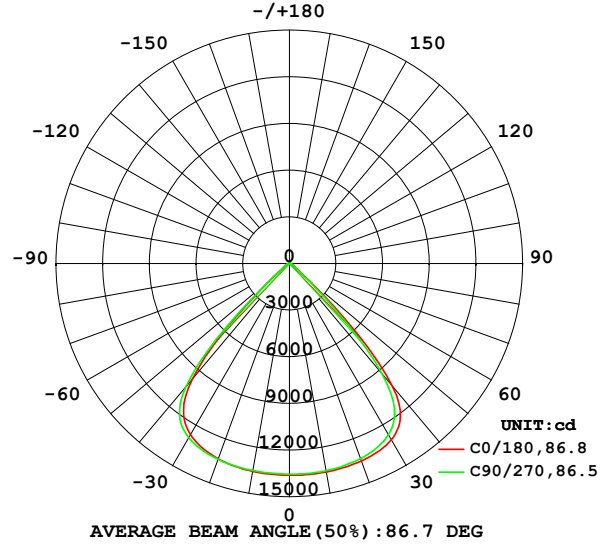
|                       | PRODUCT CODE:                 | OPT HBG9100                     | OPT HBG9 150             | OPT HBG9 200           | OPT HBG9240          |
|-----------------------|-------------------------------|---------------------------------|--------------------------|------------------------|----------------------|
| Electrical Data       | Wattage                       | 100                             | 150                      | 200                    | 240                  |
|                       | Rated Input Voltage           | 120 - 277VAC                    |                          |                        |                      |
|                       | Input current                 | 1.20A max.<br>0.60A@230V        | 1.50A max.<br>0.75A@230V | 2.0A max.<br>1.0A@230V | 2.4Amax<br>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      | 16500lm                         | 24750lm                  | 33000                  | 39600                |
|                       | Beam angle                    | 90°                             |                          |                        |                      |
|                       | CCT (K)                       | 6500K                           |                          |                        |                      |
|                       | CRI                           | Ra80                            |                          |                        |                      |
|                       | Lumen efficacy                | 165+lm/W@4000K & 5000K          |                          |                        |                      |
|                       | Dimming                       | Non Dimming                     |                          |                        |                      |
|                       | Rated lifetime                | 100,000 hrs @ L70 B50 30°C      |                          |                        |                      |
|                       | Operating temperature         | -20 -50°C                       |                          |                        |                      |
| Housing               | Project area(m <sup>2</sup> ) | 0.049                           | 0.049                    | 0.069                  | 0.075                |
|                       | Installation                  | Hanging ring, surface mounting. |                          |                        |                      |
|                       | Front diffuser                | PC                              |                          |                        |                      |
|                       | Heat sink                     | Die-cast Aluminum               |                          |                        |                      |
|                       | Emergency                     | Optional                        |                          |                        |                      |
|                       | Ingress protection            | IP65                            |                          |                        |                      |
|                       | Shock protection              | IK10                            |                          |                        |                      |
|                       | Driver                        | SOSEN Driver                    |                          |                        |                      |

## Polar intensity diagram

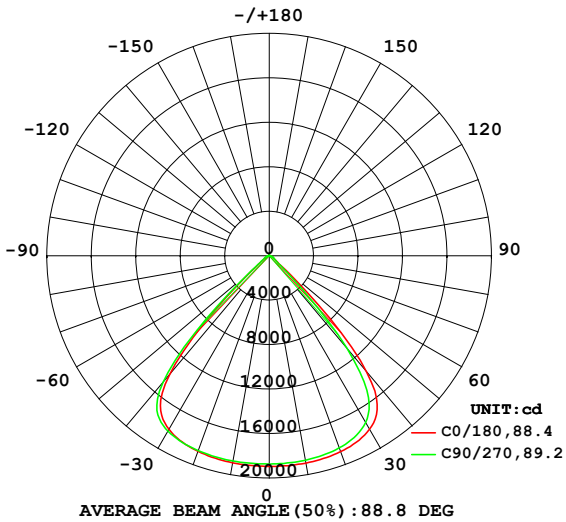
100W



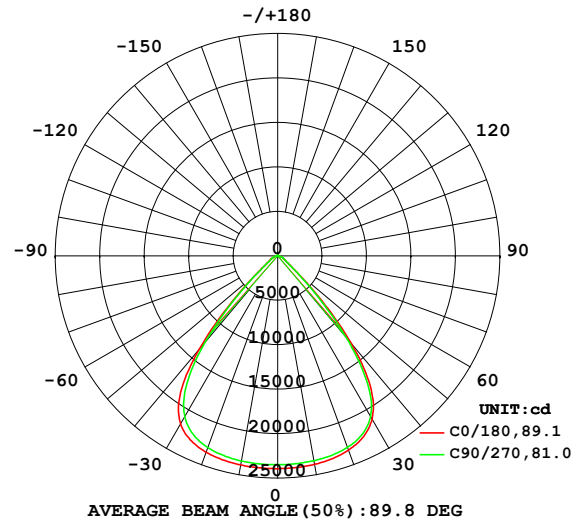
150W



200W



240W



### PRODUCT MODEL CODE.

HIGHBAY 100 WATT: OPT HBG9 100 6500

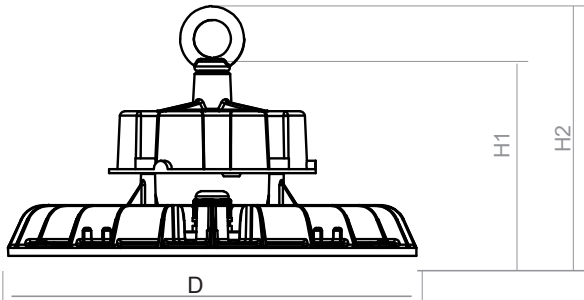
HIGHBAY 150 WATT: OPT HBG9 150 6500

HIGHBAY 200 WATT: OPT HBG9 200 6500

HIGHBAY 240 WATT: OPT HBG9 240 6500

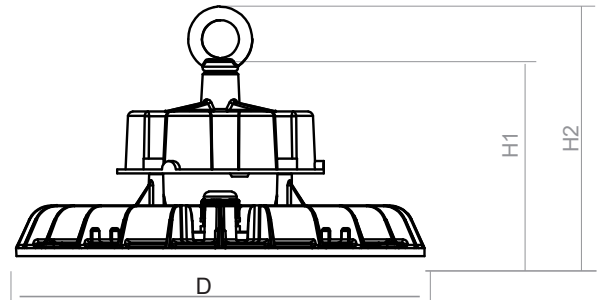
Drawing/Dimensions:

100W



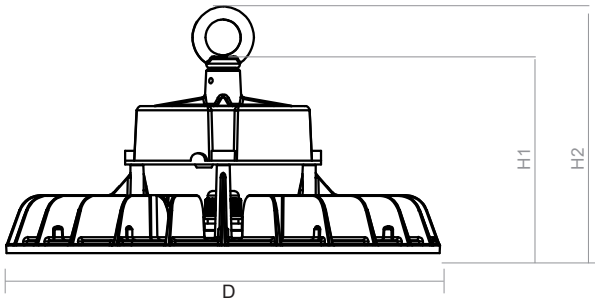
| 100W | D      | H1    | H2    | Weight |
|------|--------|-------|-------|--------|
|      | φ254mm | 114mm | 155mm | 2.25kg |

150W



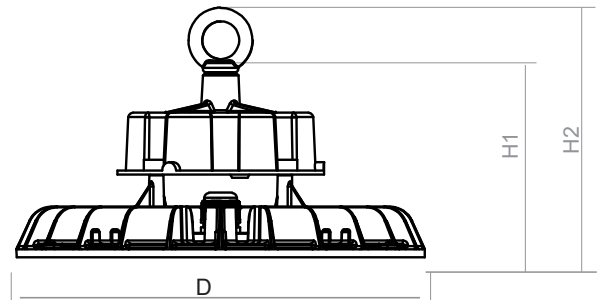
| 150W | Length  | H1    | H2    | Weight |
|------|---------|-------|-------|--------|
|      | φ 254mm | 114mm | 155mm | 2.28kg |

200W



| 200W | D       | H1    | H2    | Weight |
|------|---------|-------|-------|--------|
|      | φ 285mm | 121mm | 162mm | 2.46kg |

240W



| 240W | D       | H1    | H2    | Weight |
|------|---------|-------|-------|--------|
|      | φ 315mm | 121mm | 162mm | 2.62kg |

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HIGHBAY 150 WATT:OPT HBG9 150 6500

HIGHBAY 200 WATT:OPT HBG9 200 6500

HIGHBAY 240 WATT:OPT HBG9 240 6500