

# PRODUCT DATASHEET

## HB P 190W 865 110DEG IP65

HIGH BAY GEN 4 | High-bay luminaires up to 150 lm/W and attractive UGR



PERFOR-  
MANCE  
CLASS

### Areas of application

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

### Product benefits

- Improved UGR compared to previous generations, down to  $UGR \leq 22$  in combination with reflector
- High luminous efficacy
- Energy savings of up to 64 % compared to conventional high bay luminaires
- 5 years guarantee
- Optimized weight and size due to compact design

### Product features

- Different luminous flux and beam angle for mounting heights of ~ 6 m to 14 m in 4000 K or 6500 K

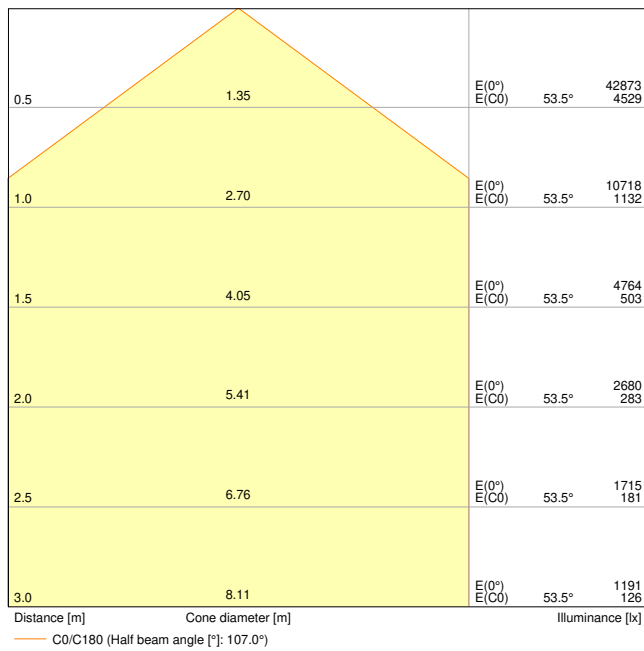
## TECHNICAL DATA

### Electrical data

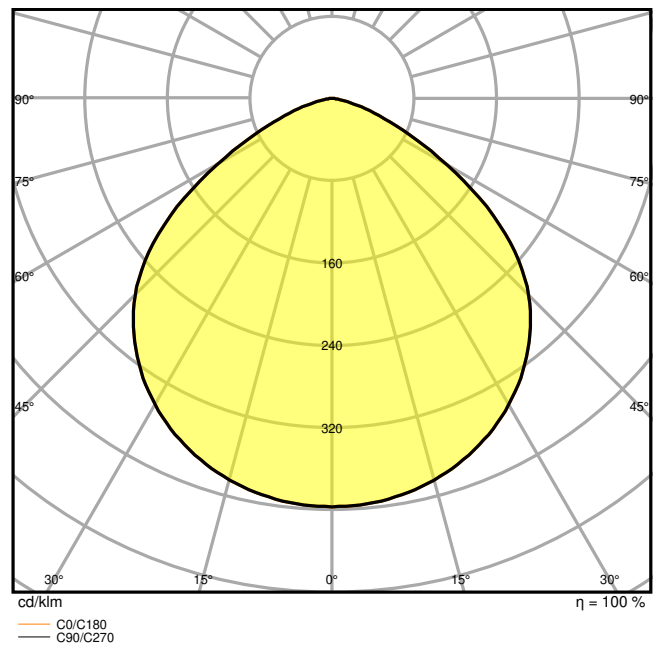
Nominal wattage	190.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	840 mA
Inrush current	50.4 A
Inrush current time $T_{h50}$	480 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	3
Max. number of luminaires per miniature circuit breaker C10	3
Max. number of luminaires per miniature circuit breaker C16	5
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

### Photometrical data

Luminous flux	27000 lm
Luminous efficacy	140 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °
UGR	$\leq 29$



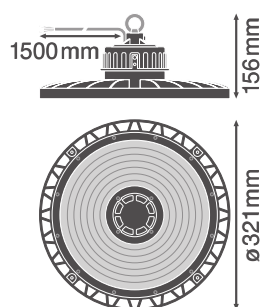
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Dimensions & Weight

Diameter	321.00 mm
Height	156.00 mm
Product weight	2830.00 g
Cable length	1500 mm



HB 180W 200W 70 DEG 110 DEG

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9017

Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-30...+50 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

### Lifespan

Lifespan L70/B50 at 25 °C	80000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	200000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)




















### Certificates & Standards


Standards	CE / CB / ENEC / TÜV SÜD / EAC / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00006-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

### EQUIPMENT / ACCESSORIES


- Mounting hook included
- Mounting brackets, reflectors and refractors available as separate accessory

### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI HighBay Gen4
	Legal information	LS Insert HighBay Gen4
	Legal information	Legal insert HB P GEN 4 AND HB GEN 3
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	CE Declaration HB P 865
	Declarations of conformity	CE Declaration of Conformity HIGHBAY P IP65
	Declarations of conformity UKCA	UKCA Declaration of Conformity HB P IP65
	Declarations of conformity UKCA	UKCA Declaration of Conformity HIGHBAY P IP65
	Declarations of conformity UKCA	HB P IP65
	Certificates	ENEC Certificate HB P and HB Sensor P
	EPD	EPD EN HIGHBAY GEN 4
Photometric and lighting design files		Document name
	IES file (IES)	HB P 190W 865 110DEG IP65
	LDT file (Eulumdat)	HB P 190W 865 110DEG IP65
	ULD file (DIALux)	HB P 190W 865 110DEG
	ROLF file (RELUX)	HB P 190W 865 110DEG IP65
	UGR file (UGR table)	HB P 190W 865 110DEG IP65
	Light distribution curve type cone	HB P 190W 865 110DEG IP65
	Light distribution curve type polar	HB P 190W 865 110DEG IP65
CAD/BIM files		Document name
	BIM Revit 3D	HB G4

CAD/BIM files		Document name
	CAD STEP 3D	HB G4 190W

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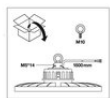
Tender texts		Document name
	Tender documents	HIGH BAY GEN 4 190W 865 110DEG IP65-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075764255	Shipping box 1	368 mm x 368 mm x 168 mm	3323.00 g	22.75 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**ADDITIONAL CATALOG INFORMATION**



**References / Links**

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

**DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.