

# PRODUCT DATASHEET

## HB P 210W 840 70DEG IP65

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



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### 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)

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### 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

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### Product features

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

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## TECHNICAL DATA

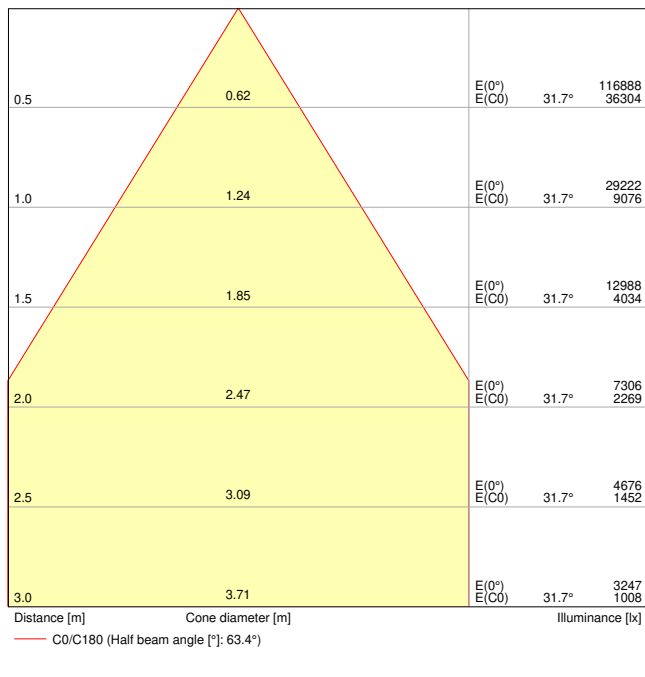
### Electrical data

Nominal wattage	210.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	930 mA
Inrush current	54.6 A
Inrush current time $T_{h50}$	500 $\mu$ s
Max. no. of lum. on circuit break. B16 A	2
Max. no. of lum. on circuit break. C10 A	2
Max. no. of lum. on circuit break. C16 A	4
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

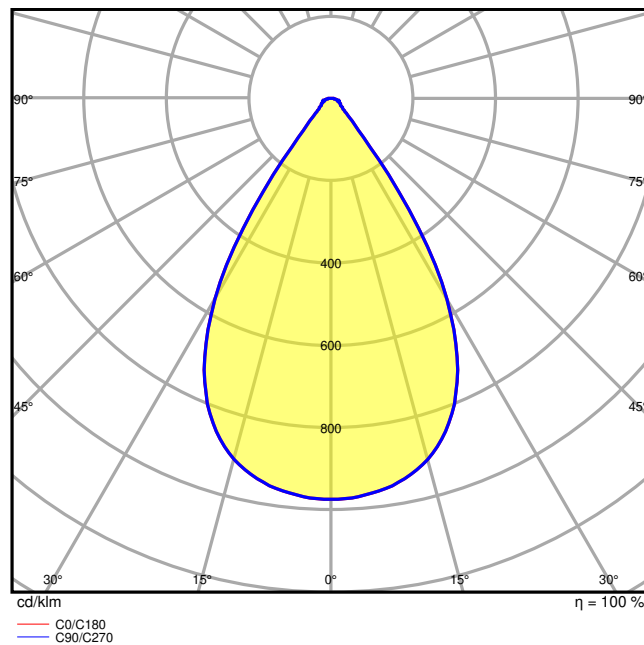
### Photometrical data

Luminous flux	30000 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdc
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	70 °
UGR	$\leq 25$

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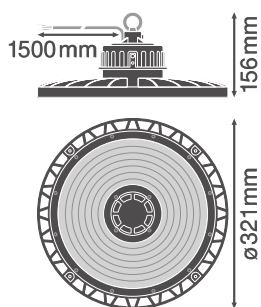
LDC typ cone



LDC typ polar

## Dimensions & Weight

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



## Materials & Colors

Product color	Black
Housing color	Black

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Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C

### Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-40...+70 °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
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	80000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
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)

### Control gear

ECG - Output ripple current	< 10 %
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### Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

### EQUIPMENT / ACCESSORIES

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

### DOWNLOAD DATA

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### Documents and certificates



User instruction



Addon Technical Information



Packaging insert



Declarations Of Conformity CE



Declarations Of Conformity UKCA



Certificates

### Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



UGR file (UGR table)



LDC typ cone



LDC typ polar

### CAD/BIM files



BIM\_Revit\_3D



CAD\_STEP\_3D

### Tender texts



Tender documents

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075692831	Shipping box 1	368 mm x 368 mm x 156 mm	3337.00 g	21.13 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.

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When placing an order, for the quantity please enter single or multiples of a shipping unit.

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### ADDITIONAL CATALOG INFORMATION



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### References / Links

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

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