

# PRODUCT DATASHEET

## HB P 200W 840 70DEG IP66 PS

HIGH BAY GEN 5 | High-bay luminaires up to 181 lm/W and attractive UGR



PERFOR-  
MANCE  
CLASS

### Areas of application

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

### Product benefits

- Highly versatile due to selectable power steps (Multi Lumen) on the housing
- Improved UGR compared to previous generations, down to  $UGR \leq 19$  (<150W, 70°) in combination with reflector
- High luminous efficacy
- Energy savings of up to 70 % compared to conventional high bay luminaires
- Optimized weight and size due to compact design

### Product features

- Multi Lumen function: power steps selectable
- Different luminous flux and beam angle for mounting heights of ~ 6 m to 18 m in 4000 K or 6500 K
- 0-10 V dimmable
- Lifetime (L80/B10): up to 100,000 h (at 35 °C)



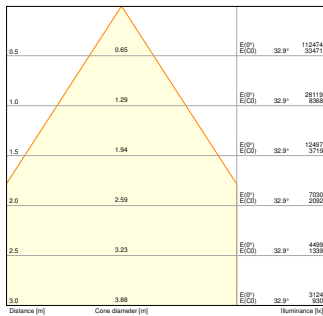
## TECHNICAL DATA

### Electrical data

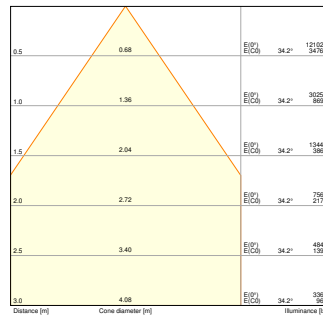
Nominal wattage	200 W / 173 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	880...770 mA
Inrush current	16.7 A
Inrush current time $T_{h50}$	302 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	12
Power factor $\lambda$	> 0.95
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

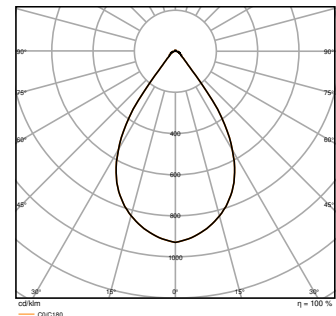
Luminous flux	35000 lm / 30275 lm
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq$ 80
Standard deviation of color matching	$\leq$ 4 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG1
Beam angle	70 °



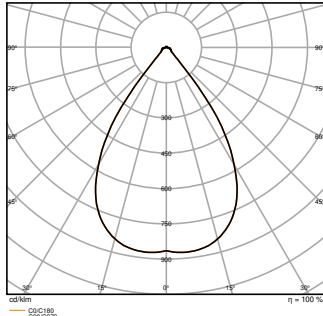
HB P 173W 840 70DEG IP66 PS



HB P 200W 840 70DEG IP66 PS



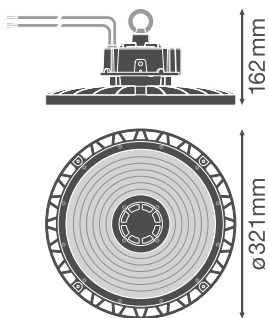
HB P 173W 840 70DEG IP66 PS



HB P 200W 840 70DEG IP66 PS

Dimensions & Weight

Diameter	321.00 mm
Height	162.00 mm
Product weight	3300.00 g
Cable length	1500 mm



HB P

## Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-40...+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	120000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	100000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	49000 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

Output current	825 mA
ECG - Output ripple current	< 5 %

## Certificates & Standards

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





## Additional product data











Product remark	Available from September 2024
Added function	MULTI SELECT


## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	HB ACC UI
	Addon Technical Information	HB P
	Legal information	HB DA P
	Legal information	Informationstext 18 Abs 4 ElektroG

Photometric and lighting design files		Document name
	IES file (IES)	HB P 173W 840 70DEG IP66 PS
	IES file (IES)	HB P 200W 840 70DEG IP66 PS
	LDT file (Eulumdat)	HB P 173W 840 70DEG IP66 PS
	LDT file (Eulumdat)	HB P 200W 840 70DEG IP66 PS
	UGR file (UGR table)	HB P 173W 840 70DEG IP66 PS
	UGR file (UGR table)	HB P 200W 840 70DEG IP66 PS
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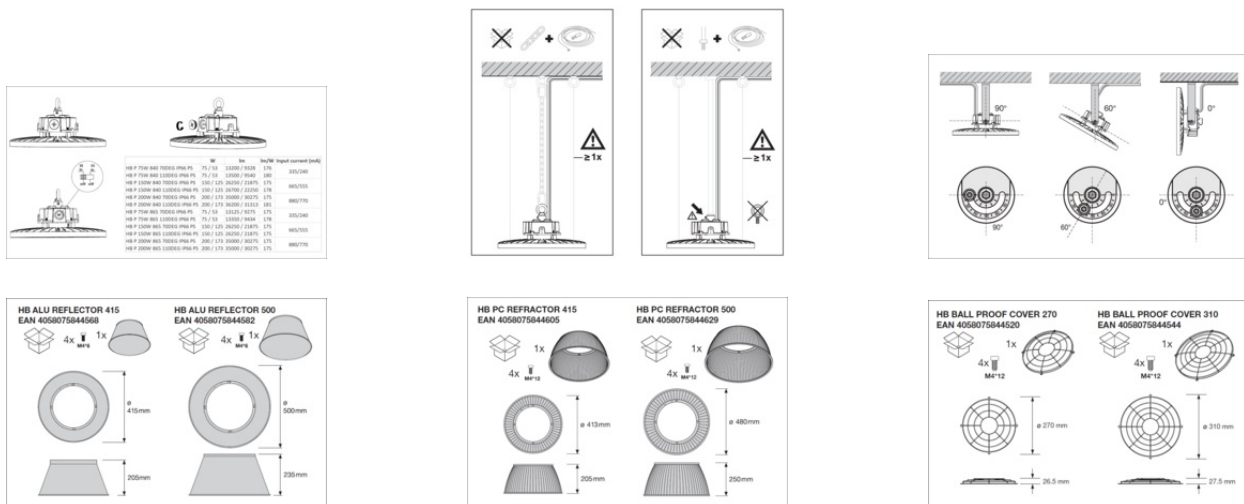
CAD/BIM files	Document name
 CAD_STEP_3D	HB G5 200

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075844322	Shipping box 1	368 mm x 368 mm x 170 mm	3953.00 g	23.02 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.