PRODUCT DATASHEET
HB P 200W 840 110DEG IP66 PS

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



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 lumen steps (Multi Lumen) on the housing
- Improved UGR compared to previous generations, down to UGR ≤ 19 (<150W, 70°) in combination with reflector
- 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: lumen 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)

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TECHNICAL DATA

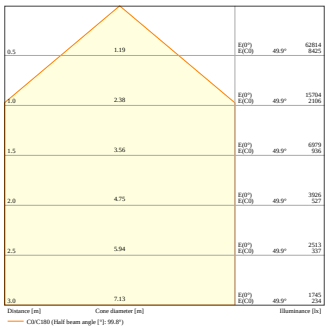
Electrical data

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 µs
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 λ	> 0.95
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	0-10V

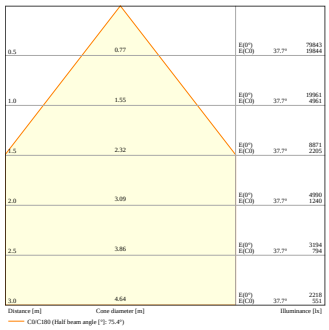
Photometrical data

Luminous flux	36200 lm / 31313 lm
Luminous efficacy	181 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤4 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	110 °

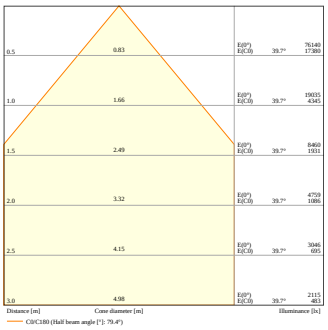
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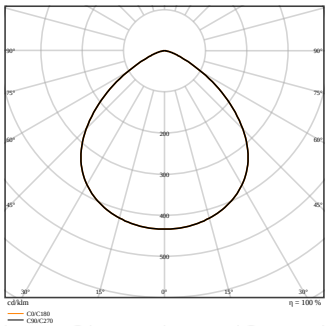
HB P 200W 840 110DEG IP66 PS



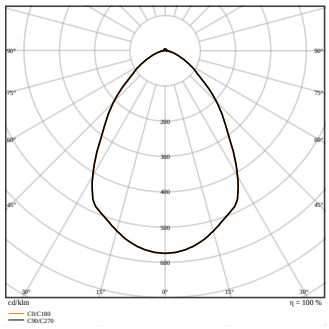
HB P 200W 840 110DEG IP66 PS - REFRACTOR



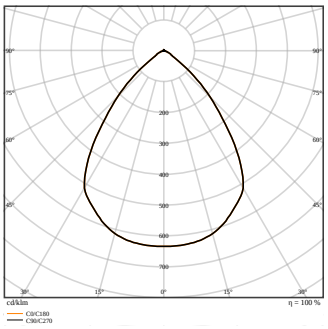
HB P 200W 840 110DEG IP66 PS - REFLECTOR



HB P 200W 840 110DEG IP66 PS



HB P 200W 840 110DEG IP66 PS - REFRACTOR

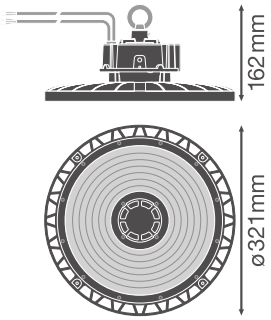


HB P 200W 840 110DEG IP66 PS - REFLECTOR

Dimensions & Weight

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

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HB P

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9005
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
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	120000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]

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Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	49000 h [1)]
Number of switching cycles	200000

1) 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 / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00032-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN

Accessories Optional

Product image	Product name	EAN
	HB BRACKET 138	4058075844643
	HB ALU REFLECTOR 500	4058075844582
	HB PC REFRACTOR 500	4058075844629
	HB EL CONV BOX 30W 3H MT AT	4099854690624
	HB EL CONV BOX REMOTE CONTROL	4099854719523

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EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	HB ACC UI
PDF	Legal information	HB P
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205496
PDF	Declarations of conformity	HIGHBAY P
PDF	Declarations of conformity UKCA	HIGHBAY P
PDF	Certificates	ENEC HIGHBAY P ON_OFF
PDF	EPD	EPD EN HIGH BAY GEN 5 DALI

	Photometric and lighting design files	Document name
IES	IES file (IES)	HB P 200W 840 110DEG IP66 PS
IES	IES file (IES)	HB P 200W 840 110DEG IP66 PS - REFLECTOR
IES	IES file (IES)	HB P 200W 840 110DEG IP66 PS - REFRACTOR
LDT	LDT file (Eulumdat)	HB P 200W 840 110DEG IP66 PS
LDT	LDT file (Eulumdat)	HB P 200W 840 110DEG IP66 PS - REFRACTOR
LDT	LDT file (Eulumdat)	HB P 200W 840 110DEG IP66 PS - REFLECTOR
ULD	ULD file (DIALux)	HB P 200W 840 110DEG IP66 PS
ROLF	ROLF file (RELUX)	HB P 200W 840 110DEG IP66 PS

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	HB P 200W 840 110DEG IP66 PS
	UGR file (UGR table)	HB P 200W 840 110DEG IP66 PS - REFRACTOR
	UGR file (UGR table)	HB P 200W 840 110DEG IP66 PS - REFLECTOR
	Light distribution curve type cone	HB P 200W 840 110DEG IP66 PS
	Light distribution curve type cone	HB P 200W 840 110DEG IP66 PS - REFRACTOR
	Light distribution curve type cone	HB P 200W 840 110DEG IP66 PS - REFLECTOR
	Light distribution curve type polar	HB P 200W 840 110DEG IP66 PS
	Light distribution curve type polar	HB P 200W 840 110DEG IP66 PS - REFRACTOR
	Light distribution curve type polar	HB P 200W 840 110DEG IP66 PS - REFLECTOR

	CAD/BIM files	Document name
	BIM Revit 3D	High Bay G5
	CAD STEP 3D	HB G5 200

	Tender texts	Document name
	Tender documents	HIGH BAY GEN 5 200W 840 110DEG IP66 PS-EN

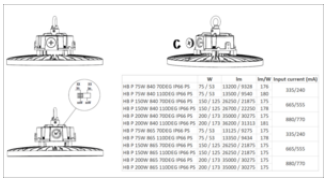
LOGISTICAL DATA

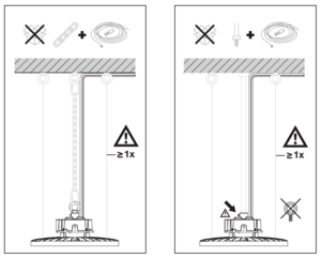
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075844339	Shipping box 1	368 mm x 368 mm x 171 mm	3953.00 g	23.16 dm^3

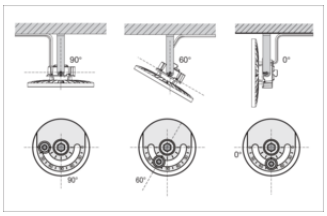
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

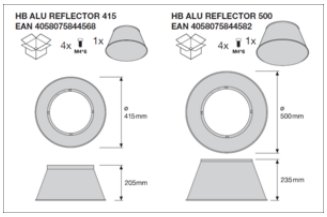
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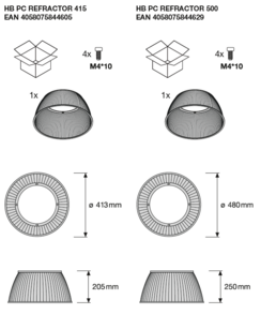
ADDITIONAL CATALOG INFORMATION

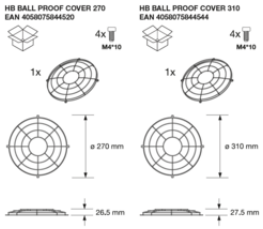












References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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

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