

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)

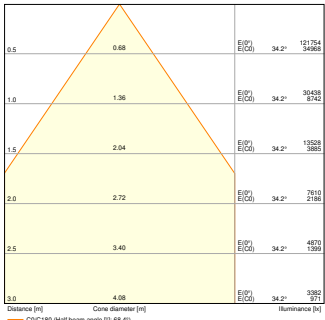


TECHNICAL DATA**Electrical data**

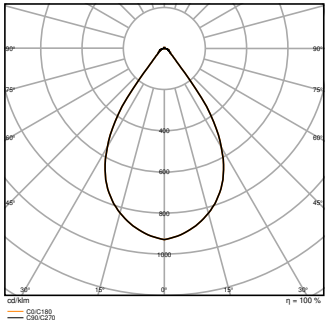
Nominal wattage	200 W / 173 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	880...770 mA
Inrush current	16.7 A
Inrush current time T_{h50}	302 μ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	> 0.95
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	0-10V

Photometrical data

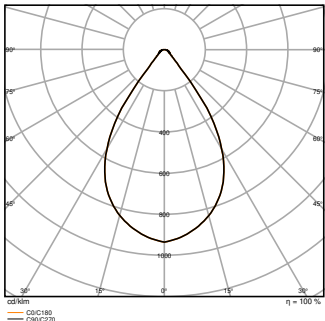
Luminous flux	35000 lm / 30275 lm
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 4 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety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



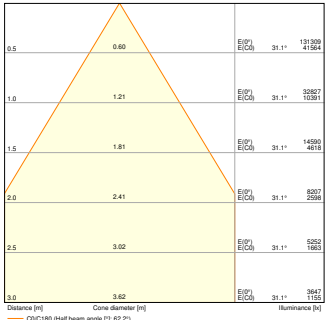
HB P 200W 840 70DEG IP66 PS



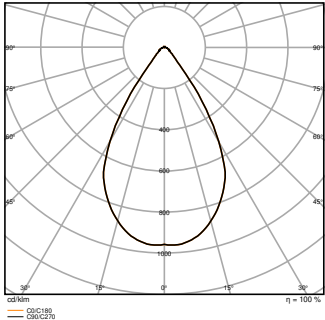
HB P 173W 840 70DEG IP66 PS



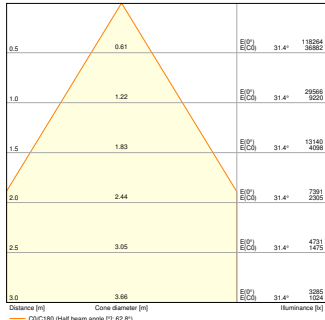
HB P 200W 840 70DEG IP66 PS
set to 173W



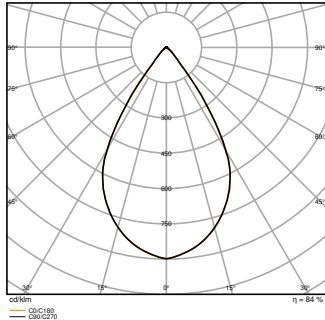
HB P 200W 840 70DEG IP66 PS -
REFRACTOR



HB P 200W 840 70DEG IP66 PS -
REFRACTOR



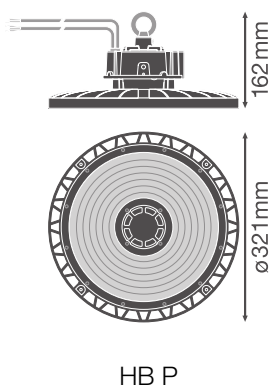
HB P 200W 840 70DEG IP66 PS -
REFLECTOR



HB P 200W 840 70DEG IP66 PS -
REFLECTOR

Dimensions & Weight

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



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
With light source	Yes

Lifespan

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

Lifespan L90/B10 at 25 °C	49000 h
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 SELECT
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Accessories Optional

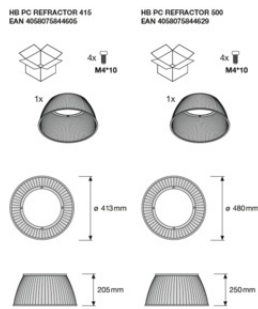
Product image	Product name	EAN
	HB BRACKET 138	4058075844643
	HB ALU REFLECTOR 500	4058075844582
	HB PC REFRACTOR 500	4058075844629

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	HB ACC UI
	Legal information	HB P
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11205496
	Declarations of conformity	HIGHBAY P
	Declarations of conformity UKCA	HIGHBAY P
	Certificates	ENEC HIGHBAY P ON_OFF
Photometric and lighting design files		Document name
	IES file (IES)	HB P 200W 840 70DEG IP66 PS
	IES file (IES)	HB P 200W 840 70DEG IP66 PS - REFLECTOR
	IES file (IES)	HB P 200W 840 70DEG IP66 PS - REFRACTOR
	LDT file (Eulumdat)	HB P 200W 840 70DEG IP66 PS
	LDT file (Eulumdat)	HB P 200W 840 70DEG IP66 PS - REFRACTOR
	LDT file (Eulumdat)	HB P 200W 840 70DEG IP66 PS - REFLECTOR
	ULD file (DIALux)	HB P 200W 840 70DEG IP66 PS
	ROLF file (RELUX)	HB P 200W 840 70DEG IP66 PS
	UGR file (UGR table)	HB P 200W 840 70DEG IP66 PS
	UGR file (UGR table)	HB P 200W 840 70DEG IP66 PS - REFRACTOR



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.