

PRODUCT DATASHEET

HB P 150W 840 110DEG 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)



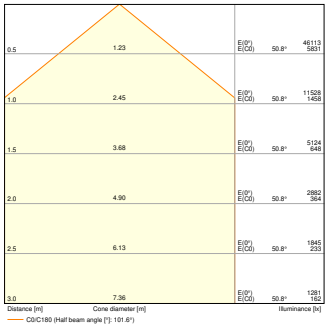
TECHNICAL DATA

Electrical data

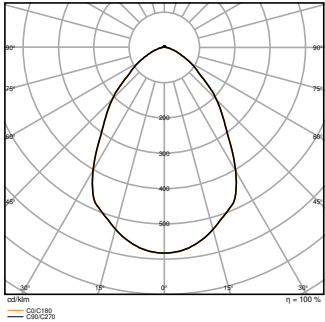
Nominal wattage	150 W / 125 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	665...555 mA
Inrush current	16.7 A
Inrush current time T_{h50}	302 μ s
Max. number of luminaires per miniature circuit breaker B16	13
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	16
Power factor λ	> 0.95
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	0-10V

Photometrical data

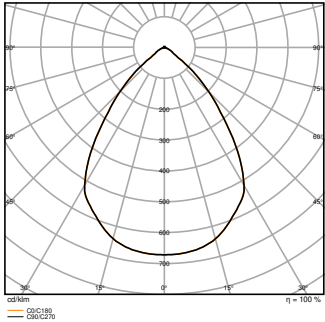
Luminous flux	26700 lm / 22250 lm
Luminous efficacy	178 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 4 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °



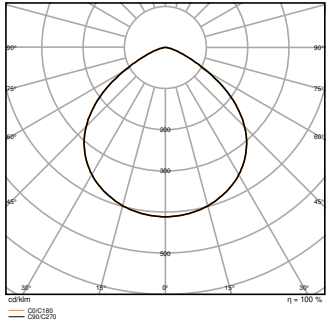
HB P 150W 840 110DEG IP66 PS



HB P 150W 840 110DEG IP66 PS - REFRACTOR



HB P 150W 840 110DEG IP66 PS - REFLECTOR



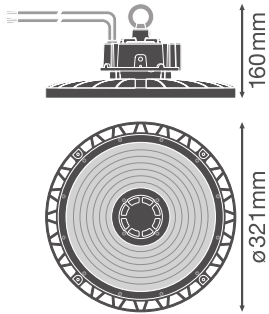
HB P 150W 840 110DEG IP66 PS - REFRACTOR

HB P 150W 840 110DEG IP66 PS - REFLECTOR

HB P 150W 840 110DEG IP66 PS set to 125W

Dimensions & Weight

Diameter	321.00 mm
Height	160.00 mm
Product weight	2900.00 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
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⁾
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	615 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

Standards	CE / UKCA / EAC / CB / ENEC / TÜV SÜD / EPD
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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

Documents and certificates		Document name
	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 150W 840 110DEG IP66 PS - REFLECTOR
	IES file (IES)	HB P 150W 840 110DEG IP66 PS - REFRACTOR
	IES file (IES)	HB P 150W 840 110DEG IP66 PS set to 125W
	LDT file (Eulumdat)	HB P 150W 840 110DEG IP66 PS
	LDT file (Eulumdat)	HB P 150W 840 110DEG IP66 PS - REFRACTOR
	LDT file (Eulumdat)	HB P 150W 840 110DEG IP66 PS - REFLECTOR
	ULD file (DIALux)	HB P 150W 840 110DEG IP66 PS
	ROLF file (RELUX)	HB P 150W 840 110DEG IP66 PS
	UGR file (UGR table)	HB P 150W 840 110DEG IP66 PS
	UGR file (UGR table)	HB P 150W 840 110DEG IP66 PS - REFRACTOR
	UGR file (UGR table)	HB P 150W 840 110DEG IP66 PS - REFLECTOR
	Light distribution curve type cone	HB P 150W 840 110DEG IP66 PS
	Light distribution curve type cone	HB P 150W 840 110DEG IP66 PS - REFRACTOR
	Light distribution curve type cone	HB P 150W 840 110DEG IP66 PS - REFLECTOR
	Light distribution curve type polar	HB P 150W 840 110DEG IP66 PS - REFRACTOR
	Light distribution curve type polar	HB P 150W 840 110DEG IP66 PS - REFLECTOR
	Light distribution curve type polar	HB P 150W 840 110DEG IP66 PS set to 125W

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075844315	Shipping box 1	368 mm x 368 mm x 169 mm	3553.00 g	22.89 dm³

ADDITIONAL CATALOG INFORMATION



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DISCLAIMER

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