

PRODUCT DATASHEET

HB DA P 200W 840 110DEG IP66

HIGH BAY DALI GEN 5 | High-bay DALI 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

- 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

- DALI versions with IoT-ready DALI-2 driver
- Different luminous flux and beam angle for mounting heights of ~ 6 m to 18 m in 4000 K or 6500 K
- Dimming range (DALI): 10...100 %
- Lifetime (L80/B10): up to 100,000 h (at 35 °C)



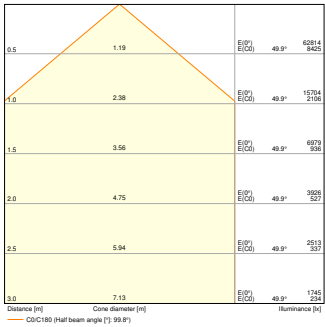
TECHNICAL DATA

Electrical data

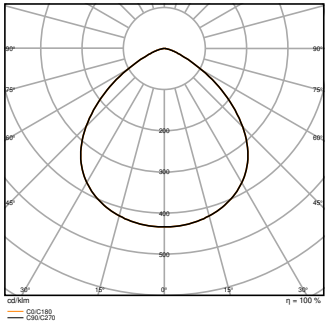
Nominal wattage	200.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	880.000 mA
Inrush current	16.7 A
Inrush current time T_{h50}	302 μ s
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	8
Max. number 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	DALI-2

Photometrical data

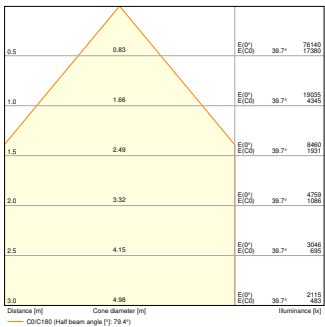
Luminous flux	36200 lm
Luminous efficacy	181 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 4 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °



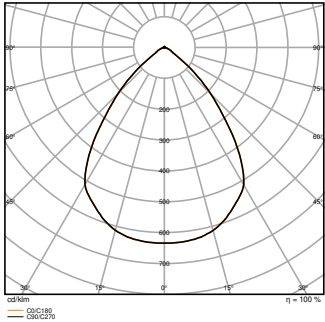
HB DA P 200W 840 110DEG IP66



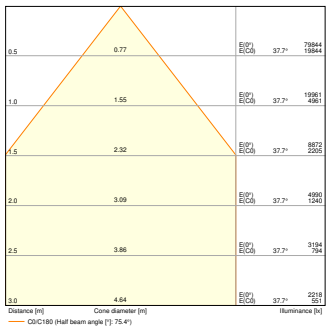
HB DA P 200W 840 110DEG IP66



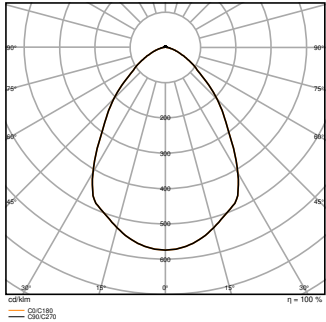
HB DA P 200W 840 110DEG IP66
WITH REFLECTOR



HB DA P 200W 840 110DEG IP66
WITH REFLECTOR



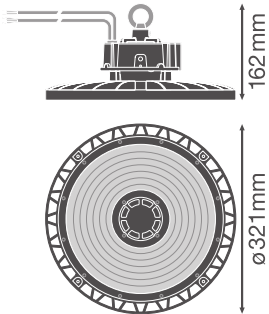
HB DA P 200W 840 110DEG IP66
WITH REFRACTOR



HB DA P 200W 840 110DEG IP66
WITH REFRACTOR

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
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
Type of dimming	DALI2
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

Nominal output current	825 mA
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

Additional product data

Added function	VIVARES
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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
 Legal information	HB DA P
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	Safety Insert G11205496

Documents and certificates		Document name
	Declarations of conformity	HIGHBAY DALI P
	Declarations of conformity UKCA	HIGHBAY DALI P
	Certificates	ENEC HIGHBAY P DALI
	EU Data Act	DALI LED Driver and Luminaires
	EPD	EPD EN HIGH BAY GEN 5 DALI
Photometric and lighting design files		Document name
	IES file (IES)	HB DA P 200W 840 110DEG IP66
	IES file (IES)	HB DA P 200W 840 110DEG IP66 WITH REFLECTOR
	IES file (IES)	HB DA P 200W 840 110DEG IP66 WITH REFRACTOR
	LDT file (Eulumdat)	HB DA P 200W 840 110DEG IP66
	LDT file (Eulumdat)	HB DA P 200W 840 110DEG IP66 WITH REFLECTOR
	LDT file (Eulumdat)	HB DA P 200W 840 110DEG IP66 WITH REFRACTOR
	ULD file (DIALux)	HB DA P 200W 840 110DEG IP66
	ROLF file (RELUX)	HB DA P 200W 840 110DEG IP66
	UGR file (UGR table)	HB DA P 200W 840 110DEG IP66
	UGR file (UGR table)	HB DA P 200W 840 110DEG IP66 WITH REFLECTOR
	UGR file (UGR table)	HB DA P 200W 840 110DEG IP66 WITH REFRACTOR
	Light distribution curve type cone	HB DA P 200W 840 110DEG IP66
	Light distribution curve type cone	HB DA P 200W 840 110DEG IP66 WITH REFLECTOR
	Light distribution curve type cone	HB DA P 200W 840 110DEG IP66 WITH 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.