PRELIMINARY - PRODUCT DATASHEET
HIGH BAY E 200 W ML 840 90DEG IP65

HIGH BAY E | HIGH BAY LUMINAIRES WITH UP TO 150lm/W EFFICIENCY



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

- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 150 lm/W
- 5 years guarantee

Product features

- Lifetime (L70-B50): up to 70,000 h (at 35 °C)
- Multi Lumen function: power steps selectable
- Available in 4000K and 6500K
- Type of protection: IP65

© 2024, LEDVANCE GmbH. All rights reserved.

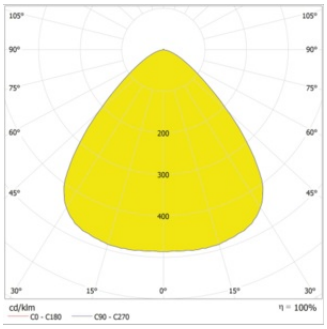
TECHNICAL DATA

Electrical data

Nominal wattage	200 W / 150 W / 100 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Inrush current	117 A
Inrush current time T_{h50}	430 µs
Max. number of luminaires per miniature circuit breaker B16	1
Max. number of luminaires per miniature circuit breaker C10	1
Max. number of luminaires per miniature circuit breaker C16	2
Power factor λ	> 0.90
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	30000 lm / 22500 lm / 15000 lm
Luminous efficacy	150 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	80
Standard deviation of color matching	< 5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	90 °

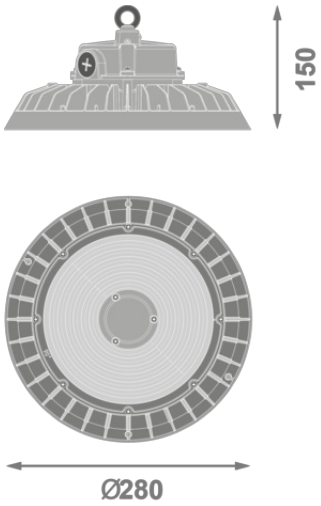


HB E 200W ML 90DEG

© 2024, LEDVANCE GmbH. All rights reserved.

Dimensions & Weight

Diameter	280.00 mm
Height	150.00 mm
Product weight	1900.00 g
Cable length	300 mm



HB E 200W ML

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+45 °C
Temperature range at storage	-40…+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Hook
Mounting location	Ceiling / Wall
Application environment	Indoor
Replaceable light source (EPREL)	Not replaceable

© 2024, LEDVANCE GmbH. All rights reserved.

With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	40000 h
Number of switching cycles	100000

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	850 mA
ECG - Output ripple current	< 32 %

Certificates & Standards

Standards	CE / LVD / EMC / ROHS / REACH / SLR / ERP / ENEC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

Additional product data

Added function	MULTI SELECT

DOWNLOAD DATA

	Photometric and lighting design files	Document name
	LDC typ cone	HB E 200W ML 90DEG

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854417788	Shipping box 1	300 mm x 290 mm x 135 mm	2356.00 g	11.75 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.

DISCLAIMER

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

© 2024, LEDVANCE GmbH. All rights reserved.