PRODUCT DATASHEET
HB P 190W 840 110DEG IP65

HIGH BAY GEN 4 | High-bay luminaires up to 150 lm/W and attractive UGR

Areas of application

– Replacement for high bay luminaires with mercury vapor or metal halide lamps
– Warehouses
– Logistics halls
– Industry
– High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

PERFOR-MANCE CLASS

Product benefits

– Improved UGR compared to previous generations, down to UGR ≤ 22 in combination with reflector
– High luminous efficacy
– Energy savings of up to 64 % compared to conventional high bay luminaires
– 5 years guarantee
– Optimized weight and size due to compact design

Product features

– Different luminous flux and beam angle for mounting heights of ~ 6 m to 14 m in 4000 K or 6500 K

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TECHNICAL DATA

Electrical data

Nominal wattage	190.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	840 mA
Inrush current	50.4 A
Inrush current time T_{h50}	480 µs
Max. number of luminaires per miniature circuit breaker B16	3
Max. number of luminaires per miniature circuit breaker C10	3
Max. number of luminaires per miniature circuit breaker C16	5
Power factor λ	≥ 0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

Photometrical data

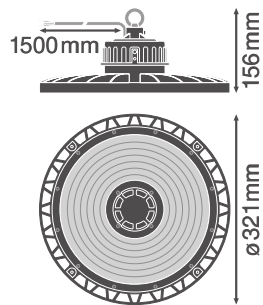|	
Luminous flux	27000 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °
UGR	≤ 29

LDC typ cone

LDC typ polar

Dimensions & Weight

Diameter	321.00 mm
Height	156.00 mm
Product weight	2830.00 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

Application & Mounting

Ambient temperature range	-30…+50 °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	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	80000 h [1]
Lifespan L80/B10 at 25 °C	50000 h [1]
Lifespan L90/B10 at 25 °C	35000 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)

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Control gear

ECG - Output ripple current	< 10 %

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00006-V01.01-EN

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA
PDF	Certificates
PDF	PEP Ecopassport

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
ULD	ULD file (DIALux)
ROLF	ROLF file (RELUX)

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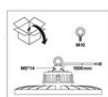| Photometric and lighting design files |
| --- |
| UGR file (UGR table) |
| LDC typ cone |
| LDC typ polar |

CAD/BIM files
BIM_Revit_3D
CAD_STEP_3D

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075692817	Shipping box 1	368 mm x 368 mm x 168 mm	3483.00 g	22.75 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.

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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