PRODUCT DATASHEET
HB P 190W 865 110DEG IP65

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



PERFOR-
MANCE
CLASS

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)

Product benefits

- Improved UGR compared to previous generations, down to UGR ≤ 22 in combination with reflector
- 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

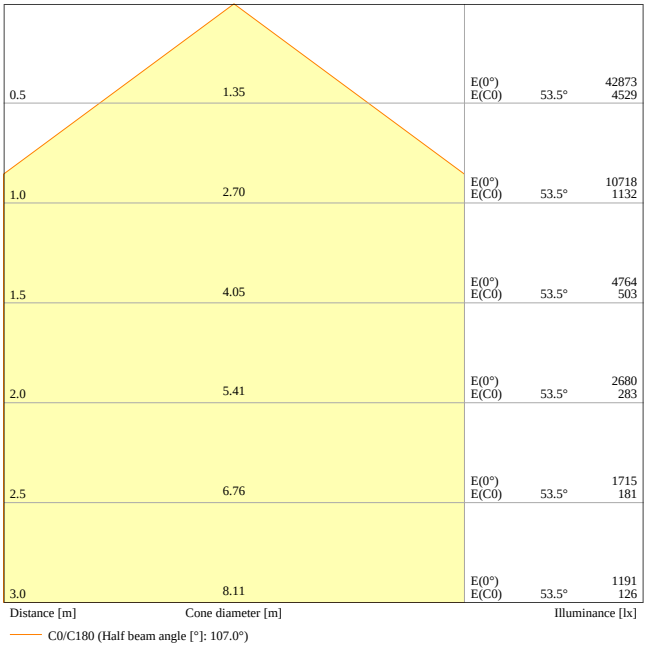
Electrical data

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
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

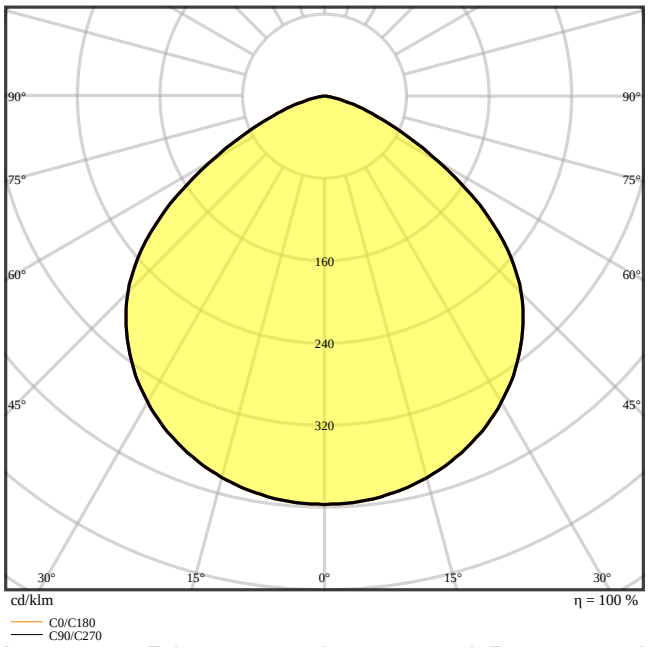
Photometrical data

Luminous flux	27000 lm
Luminous efficacy	140 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
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

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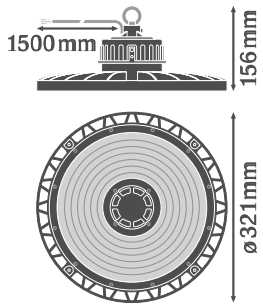
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Dimensions & Weight

Diameter	321.00 mm
Height	156.00 mm
Product weight	2830.00 g
Cable length	1500 mm



HB 180W 200W 70 DEG
110 DEG

Materials & Colors

Product color	Black
Housing color	Black

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RAL Color (most similar)	RAL 9017
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30…+50 °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
With light source	Yes
Replaceable light source	No

Lifespan

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

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
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI HighBay Gen4

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	Documents and certificates	Document name
PDF	Legal information	LS Insert HighBay Gen4
PDF	Legal information	Legal insert HB P GEN 4 AND HB GEN 3
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration HB P 865
PDF	Declarations of conformity	CE Declaration of Conformity HIGHBAY P IP65
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity HB P IP65
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity HIGHBAY P IP65
PDF	Declarations of conformity UKCA	HB P IP65
PDF	Certificates	ENEC Certificate HB P and HB Sensor P
PDF	EPD	EPD EN HIGHBAY GEN 4

	Photometric and lighting design files	Document name
IES	IES file (IES)	HB P 190W 865 110DEG IP65
LDT	LDT file (Eulumdat)	HB P 190W 865 110DEG IP65
ULD	ULD file (DIALux)	HB P 190W 865 110DEG
ROLF	ROLF file (RELUX)	HB P 190W 865 110DEG IP65
	UGR file (UGR table)	HB P 190W 865 110DEG IP65
	Light distribution curve type cone	HB P 190W 865 110DEG IP65
	Light distribution curve type polar	HB P 190W 865 110DEG IP65

	CAD/BIM files	Document name
RFA	BIM Revit 3D	HB G4
STEP	CAD STEP 3D	HB G4 190W

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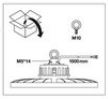
	Tender texts	Document name
	Tender documents	HIGH BAY GEN 4 190W 865 110DEG IP65-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075764255	Shipping box 1	368 mm x 368 mm x 168 mm	3323.00 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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