![LEDVANCE]

PRODUCT DATASHEET
HB 155 W 4000 K 110DEG IP65

HIGH BAY GEN 3 | High-bay luminaires up to 140 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)

PRODUCT BENEFITS

- Improved UGR compared to previous generations, down to UGR $\leq$ 22 in combination with reflector
- High luminous efficacy
- Energy savings of up to 60 % 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

TECHNICAL DATA

Electrical data

Nominal wattage	155.00 W
Operating mode	Mains voltage
Nominal voltage	220...240 V
Power factor λ	>0.95
Mains frequency	50/60 Hz
Max. no. of lum. on circuit break. B16 A	5
Max. no. of lum. on circuit break. C10 A	5
Max. no. of lum. on circuit break. C16 A	8
Inrush current	49.0 A
Total harmonic distortion	≤ 20 %
Inrush current time T$_{h50}$	368 μs

Luminaire control gear data

Low flicker	Yes
ECG - Output ripple current	≤ 10 %

Photometrical data

Color temperature	4000 K
Luminous efficacy	140 lm/W
Luminous flux	22000 lm
Standard deviation of color matching	<5 sdcm
Light color (designation)	Cool White
Color rendering index Ra	≥80

Light technical data

Beam angle	110 °
UGR lateral	<29

Dimensions & weight
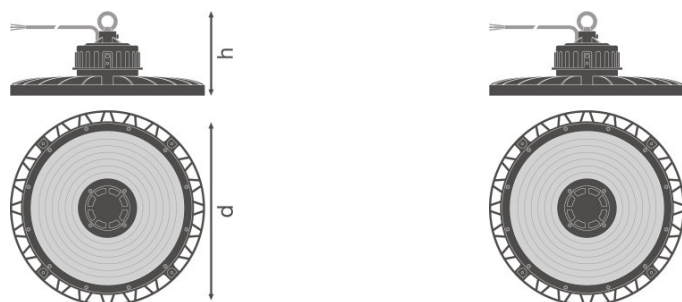
Diameter	321.0 mm
Height	140.0 mm
Product weight	2300.00 g
Cable length	1500 mm

Colors & materials

Body material	Aluminum
Product color	Black
Housing color	Black
Cover material	Polycarbonate (PC)

Temperatures & operating conditions

Ambient temperature range	-30...+55 °C

Lifespan

Number of switching cycles	200000
Lifespan L70/B50 at 25 °C	80000 h
Lifespan L80/B10 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h

Additional product data

Mounting type	Suspended/Surface
Mounting location	Ceiling
Low flicker	Yes
Product remark	Available from September 2020

Capabilities

Dimmable	No
Type of connection	Cable, 3-pole

Ball shot safe	-
LED module replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 695-2-1	850 °C
Photobiological safety group EN62778	RG 1
Photobio. safety group acc. to EN62471	RG 1
Protection class	I
Type of protection	IP65
Luminaire with limited surface temperature, class "D"	Yes
Standards	CE/CB/ENEC/TÜV SÜD/RoHS/EAC

Logistical data

Temperature range at storage	-40...+70 °C

Light Distribution

		E(0°)	34346
0.5	1.40	E(C0) 54.5°	3370
1.0	2.80	E(0°)	8587
		E(C0) 54.5°	842
1.5	4.21	E(0°)	3816
		E(C0) 54.5°	374
2.0	5.61	E(0°)	2147
		E(C0) 54.5°	211
2.5	7.01	E(0°)	1374
		E(C0) 54.5°	135
3.0	8.41	E(0°)	954
		E(C0) 54.5°	94
Distance [m]	Cone diameter [m]		Illuminance [lx]

C0/C180 (Half beam angle [°]: 109.0°)

cd/klm   = 100 %

C0/C180
C90/C270
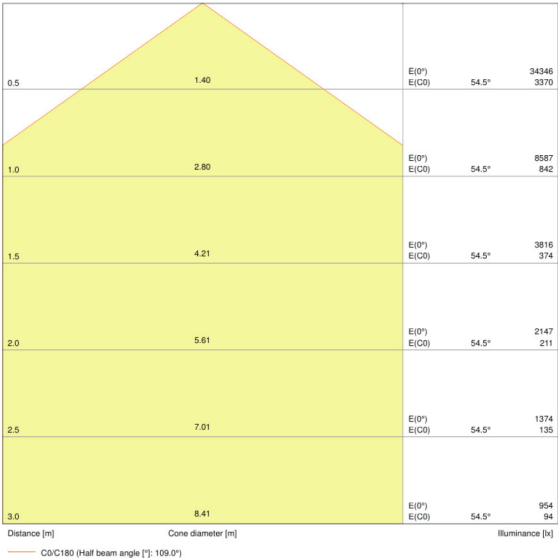
LDC typ cone
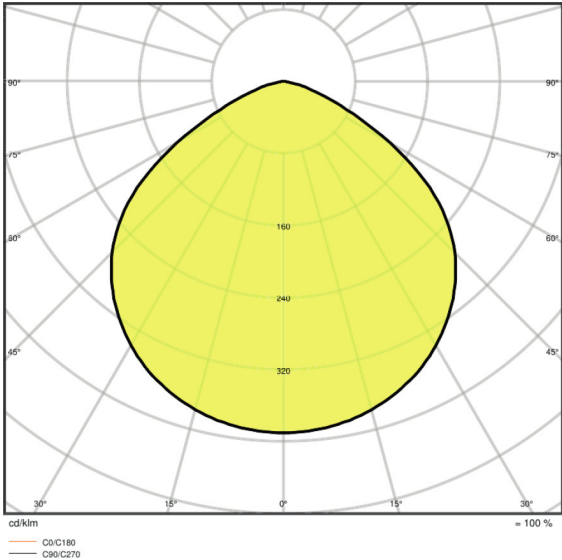
LDC typ polar

EQUIPMENT / ACCESSORIES

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075452381	Shipping carton box 1	377 mm x 377 mm x 162 mm	2940.00 g	23.02 dm³

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.

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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