

# PRODUCT DATASHEET

## HB 165 W 6500 K 70DEG IP65 BK

HIGH BAY Gen 2 | High-bay luminaires up to 135 lm/W



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### AREAS OF APPLICATION

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

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### PRODUCT BENEFITS

- High luminous efficacy
- Exclusive LEDVANCE design
- Energy savings of up to 60 % compared to conventional high bay luminaires
- 5 years guarantee
- Optimized weight and size due to compact design

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### PRODUCT FEATURES

- Luminous efficacy: up to 135 lm/W
- Type of protection: IP65
- Available with beam angle: 70°, 90°, 110°



**TECHNICAL DATA**

Electrical data

Nominal wattage	165.00 W
Operating mode	Integrated LED driver
Nominal voltage	100...240 V
Power factor $\lambda$	$\geq 0.95$
Mains frequency	50/60 Hz
Inrush current	70.0 A
Total harmonic distortion	< 10 %
Inrush current time $T_{h50}$	150 $\mu$ s

Luminaire control gear data

Ouput current	630 mA
Max. no. of lum. on circuit break. B16 A	13
Max. no. of lum. on circuit break. C10 A	10
Max. no. of lum. on circuit break. C16 A	15

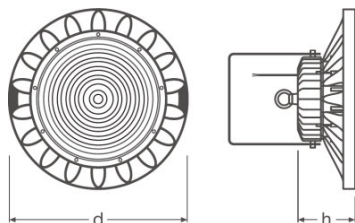
Photometrical data

Color temperature	6500 K
Luminous efficacy	135 lm/W
Luminous flux	22000 lm
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Light color (designation)	Cool Daylight
Color rendering index Ra	>80

Light technical data

Beam angle	70 °
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Dimensions & weight



<b>Diameter</b>	376.0 mm
<b>Height</b>	139.0 mm
<b>Product weight</b>	4365.00 g
<b>Cable length</b>	1500 mm

### Colors & materials

<b>Body material</b>	Aluminum
<b>Housing color</b>	Black
<b>Product color</b>	Black
<b>Housing color</b>	Black
<b>Cover material</b>	Polycarbonate (PC)

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-30...+50 °C
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### Lifespan

<b>Lifespan L70/B50 at 25 °C</b>	50000 h
<b>Lifespan L80/B10 at 25 °C</b>	35000 h
<b>Lifespan L90/B10 at 25 °C</b>	20000 h
<b>Number of switching cycles</b>	50000

### Additional product data

<b>Mounting type</b>	Suspended/Surface
<b>Mounting location</b>	Ceiling

### Capabilities

<b>Adjustable</b>	Yes
<b>Dimmable</b>	No
<b>Type of connection</b>	Cable, 3-pole
<b>Ball shot safe</b>	No
<b>LED module replaceable</b>	Not replaceable

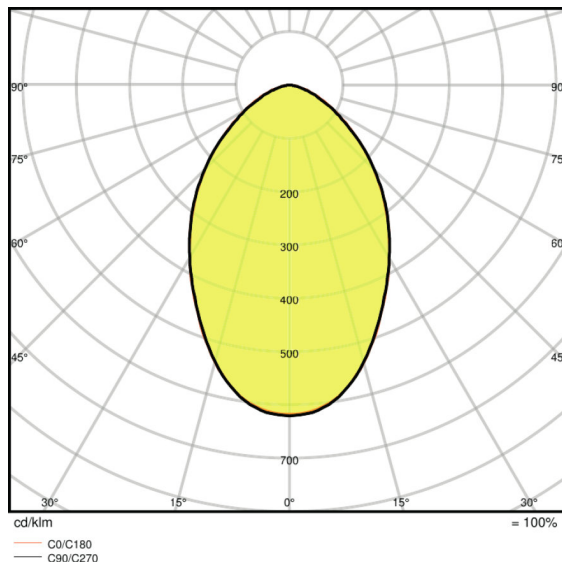
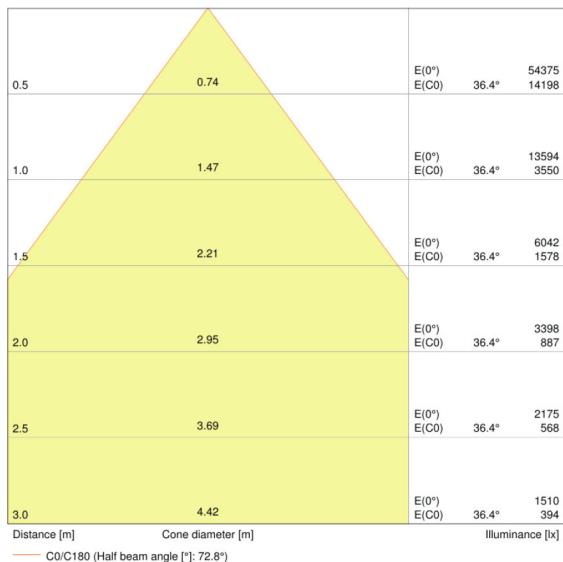
### Certificates & standards

<b>Protection class IK (shock resistance)</b>	IK08
<b>Glow Wire Test according to IEC 695-2-1</b>	650 °C
<b>Photobiological safety group EN62778</b>	RG 0
<b>Photobio. safety group acc. to EN62471</b>	RG 0
<b>Protection class</b>	I
<b>Type of protection</b>	IP65
<b>Luminaire with limited surface temperature, class "D"</b>	Yes

Standards

CE/CB/TÜV SÜD/RoHS

Light Distribution



LDC typ cone

LDC typ polar

EQUIPMENT / ACCESSORIES

- Mounting hook and brackets included

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075074378	Shipping carton box 1	410 mm x 410 mm x 198 mm	5032.00 g	33.28 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

DISCLAIMER

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