

PRODUCT DATASHEET

HB 165 W 4000 K 70DEG BK IP65

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



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)

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

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 λ | ≥ 0.95 |
| Mains frequency | 50/60 Hz |
| Inrush current | 70.0 A |
| Total harmonic distortion | < 10 % |
| Inrush current time T_{h50} | 150 μ s |

Luminaire control gear data

| | |
|--|--------|
| Output 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 |

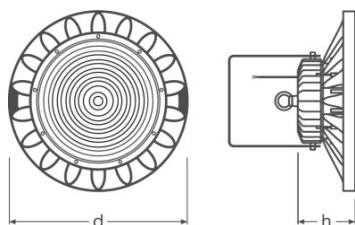
Photometrical data

| | |
|--------------------------------------|---------------|
| Color temperature | 4000 K |
| Luminous efficacy | 135 lm/W |
| Luminous flux | 22000 lm |
| Standard deviation of color matching | ≤ 5 sdcn |
| Light color (designation) | Cool White |
| Color rendering index Ra | >80 |

Light technical data

| | |
|------------|------|
| Beam angle | 70 ° |
|------------|------|

Dimensions & weight



| | |
|-----------------------|-----------|
| Diameter | 376.0 mm |
| Height | 139.0 mm |
| Product weight | 4365.00 g |
| Cable length | 1500 mm |

Colors & materials

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

Temperatures & operating conditions

| | |
|----------------------------------|--------------|
| Ambient temperature range | -30...+50 °C |
|----------------------------------|--------------|

Lifespan

| | |
|-----------------------------------|---------|
| Lifespan L70/B50 at 25 °C | 50000 h |
| Lifespan L80/B10 at 25 °C | 35000 h |
| Lifespan L90/B10 at 25 °C | 20000 h |
| Number of switching cycles | 50000 |
| Lifespan | 50000 h |

Additional product data

| | |
|--------------------------|-------------------|
| Mounting type | Suspended/Surface |
| Mounting location | Ceiling |

Capabilities

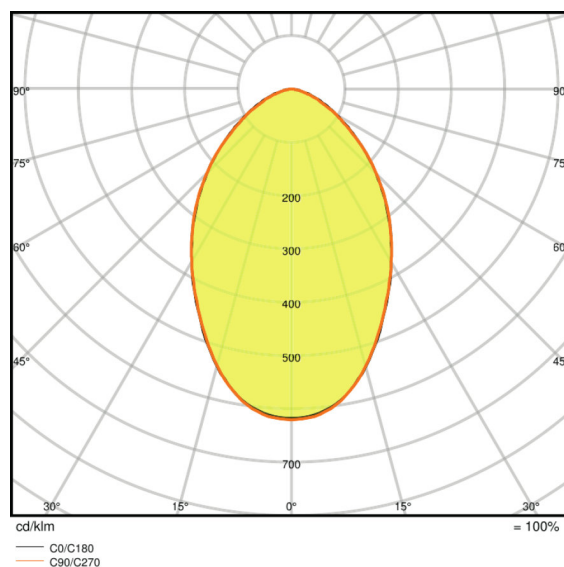
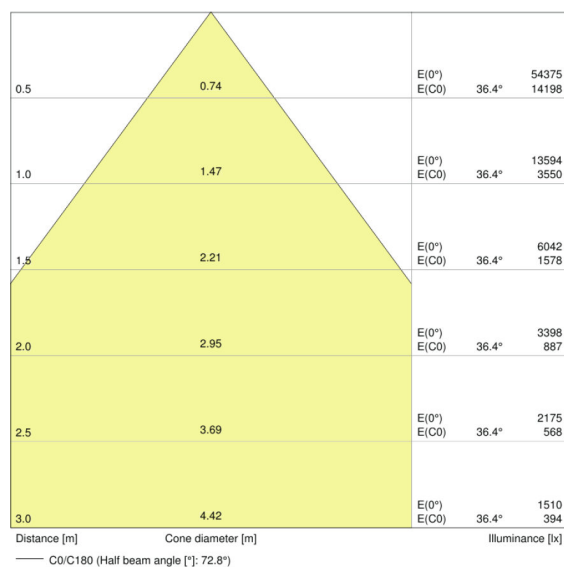
| | |
|-------------------------------|-----------------|
| Adjustable | Yes |
| Dimmable | No |
| Type of connection | Cable, 3-pole |
| Ball shot safe | No |
| LED module replaceable | Not replaceable |

Certificates & standards

| | |
|--|--------|
| Protection class IK (shock resistance) | IK08 |
| Glow Wire Test according to IEC 695-2-1 | 650 °C |
| Photobiological safety group EN62778 | RG 0 |
| Photobio. safety group acc. to EN62471 | RG 0 |
| Protection class | I |
| Type of protection | IP65 |

| | |
|--|--------------------|
| Luminaire with limited surface temperature, class "D" | 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075074361 | Shipping carton box 1 | 410 mm x 410 mm x 198 mm | 5761.00 g | 33.28 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.

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.