

PRODUCT DATASHEET

HB 93 W 4000 K 70DEG 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 | 93.00 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 | 6 |
| Max. no. of lum. on circuit break. C10 A | 6 |
| Max. no. of lum. on circuit break. C16 A | 8 |
| Inrush current | 44.0 A |
| Total harmonic distortion | $\leq 20 \%$ |
| Inrush current time T_{h50} | 380 μ s |

Luminaire control gear data

| | |
|-----------------------------|--------------|
| Low flicker | Yes |
| ECG - Output ripple current | $\leq 10 \%$ |

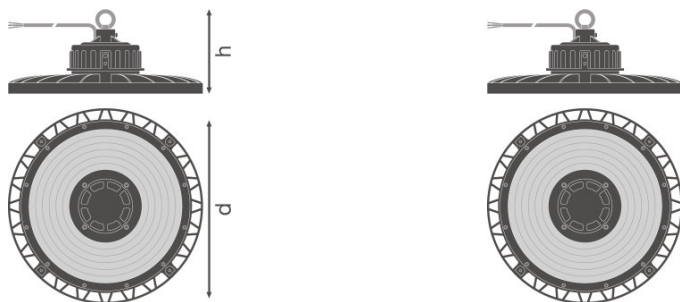
Photometrical data

| | |
|--------------------------------------|------------|
| Color temperature | 4000 K |
| Luminous efficacy | 140 lm/W |
| Luminous flux | 13000 lm |
| Standard deviation of color matching | <5 sdcn |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥ 80 |

Light technical data

| | |
|-------------|------|
| Beam angle | 70 ° |
| UGR lateral | <25 |

Dimensions & weight



| | |
|-----------------------|-----------|
| Diameter | 280.0 mm |
| Height | 143.0 mm |
| Product weight | 1800.00 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 |

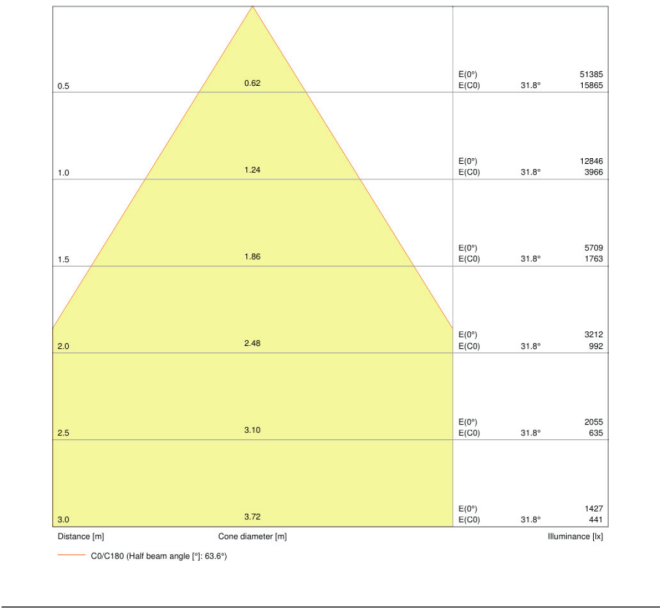
Certificates & standards

| | |
|---|-----------------------------|
| 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 |

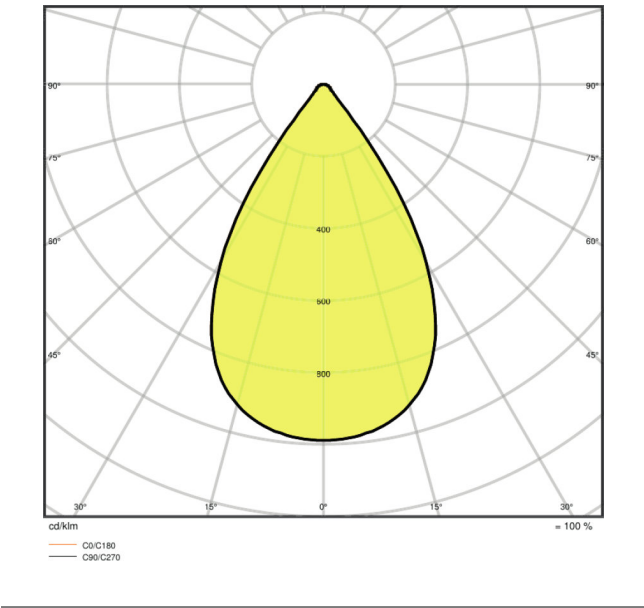
Logistical data

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

Light Distribution



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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075452374 | Shipping carton box 1 | 337 mm x 337 mm x 152 mm | 2497.00 g | 17.26 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.