

# PRODUCT DATASHEET

## HB COMP V 166W 840 110DEG IP65

HIGH BAY COMPACT | High-bay luminaires up to 120 lm/W



---

### 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

- Modern exclusive design
- Energy savings of up to 60 % compared to conventional high bay luminaires
- 3 years guarantee
- Optimized weight and size due to compact design

---

### Product features

- Operating temperature: -20...45 °C
- Black aluminum housing, tempered glass cover
- Opal cover
- Type of protection: IP65
- Lifetime (L70): up to 50,000 h
- High luminous efficacy: up to 120 lm/W

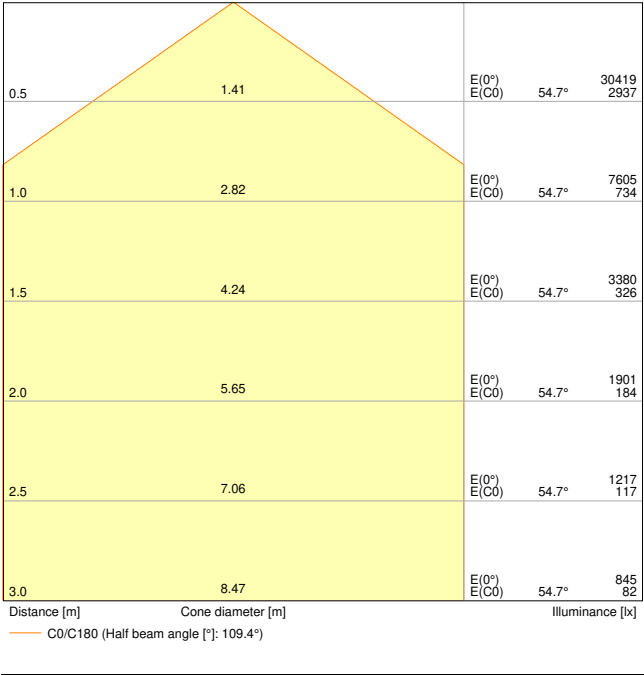
---

**TECHNICAL DATA****Electrical data**

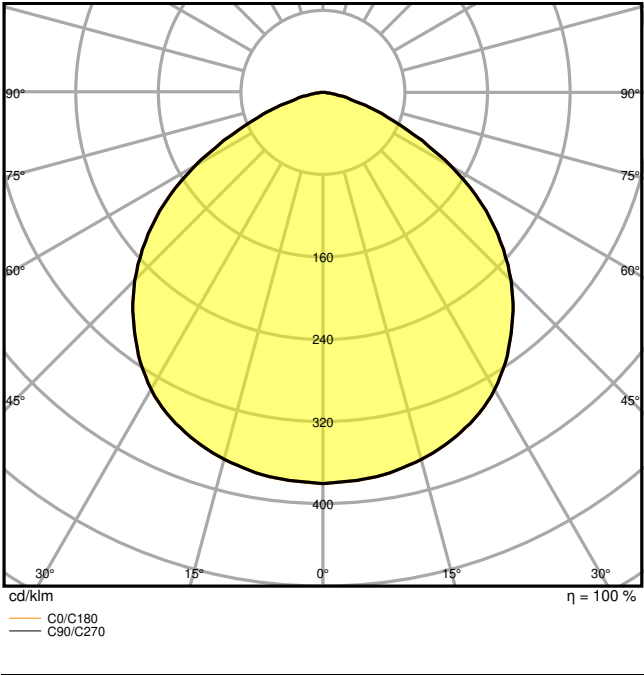
|                                          |               |
|------------------------------------------|---------------|
| Nominal wattage                          | 166.00 W      |
| Nominal voltage                          | 220...240 V   |
| Mains frequency                          | 50...60 Hz    |
| Nominal current                          | 720 mA        |
| Inrush current                           | 8.34 A        |
| Inrush current time $T_{h50}$            | 19.84 $\mu$ s |
| Max. no. of lum. on circuit break. B16 A | 17            |
| Max. no. of lum. on circuit break. C10 A | 11            |
| Max. no. of lum. on circuit break. C16 A | 17            |
| Power factor $\lambda$                   | > 0.90        |
| Total harmonic distortion                | < 20 %        |
| Protection class                         | I             |
| Operating mode                           | Mains voltage |

**Photometrical data**

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 20000 lm      |
| Luminous efficacy                            | 120 lm/W      |
| Color temperature                            | 4000 K        |
| Light color (designation)                    | Cool White    |
| Color rendering index Ra                     | > 80          |
| Standard deviation of color matching         | $\leq 5$ sdcn |
| Photobiological safety group acc. to EN62778 | RG1           |
| Beam angle                                   | 110 °         |



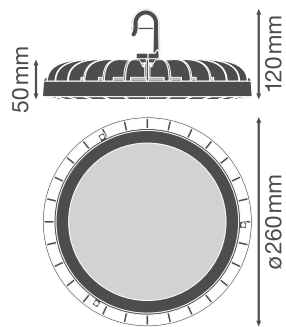
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Diameter       | 260.00 mm |
| Height         | 50.00 mm  |
| Product weight | 1500.00 g |
| Cable length   | 500 mm    |



Materials & Colors

|               |       |
|---------------|-------|
| Product color | Black |
| Housing color | Black |

|                                            |          |
|--------------------------------------------|----------|
| Body material                              | Aluminum |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C   |
| Mercury content                            | 0.0 mg   |

### Application & Mounting

|                                        |                 |
|----------------------------------------|-----------------|
| Ambient temperature range              | -20...+45 °C    |
| Type of connection                     | Cable, 3-pole   |
| Type of protection                     | IP65            |
| Protection class IK (shock resistance) | IK06            |
| Dimmable                               | No              |
| Mounting type                          | Post top        |
| Mounting location                      | Ceiling         |
| Application environment                | Indoor          |
| LED module replaceable                 | Not replaceable |
| With light source                      | Yes             |

### Lifespan

|                            |          |
|----------------------------|----------|
| Lifespan L70/B50 at 25 °C  | 50000 h  |
| Lifespan L80/B10 at 25 °C  | 45000 h  |
| Lifespan L90/B10 at 25 °C  | 30000 h  |
| Number of switching cycles | > 100000 |

### Certificates & Standards

|                                                      |                      |
|------------------------------------------------------|----------------------|
| Standards                                            | CE / UKCA / CB / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes                  |
| Ball shot safe                                       | No                   |

### EQUIPMENT / ACCESSORIES

- Bracket available
- Reflector available

### DOWNLOAD DATA

| Documents and certificates                                                         |                             |
|------------------------------------------------------------------------------------|-----------------------------|
|  | User instruction            |
|  | Addon Technical Information |
|  | Packaging insert            |

## Documents and certificates



Declarations Of Conformity CE



Declarations Of Conformity UKCA

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



UGR file (UGR table)



LDC typ cone



LDC typ polar

## CAD/BIM files



CAD\_STEP\_3D

## Tender texts



Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075708198 | Shipping box<br>1            | 75 mm x 295 mm x 305 mm              | 1844.00 g    | 6.75 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.

## ADDITIONAL CATALOG INFORMATION



## 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.