# PRODUCT DATASHEET
# HB COMP V 120W ML 8405065 IP65

## HIGH BAY COMPACT GEN 2 | High-bay luminaires up to 165 lm/W




MULTI LUMEN

MULTI COLOUR

VALUE CLASS

## 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
- Optimized weight and size due to compact design
- 5 years guarantee

## Product features

- Luminous efficacy: up to 165 lm/W
- Black aluminum housing, tempered opal glass cover
- Multi Lumen: lumen steps selectable
- Multi Color function: 4000 K, 5000 K and 6500 K
- Very long lifetime (L70): up to 100,000 h (at 25 °C)
- Operating temperature: -20…50 °C
- High color consistency: ≤ 5 sdcm
- Type of protection: IP65


© 2026, LEDVANCE GmbH. All rights reserved.

# TECHNICAL DATA

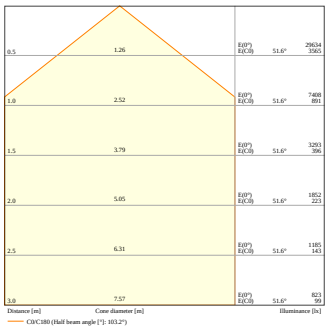
## Electrical data

| | |
|---|---|
| Nominal wattage | 120 W / 80 W / 60 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 530.000 mA |
| Inrush current | 19.2 A |
| Inrush current time $T_{h50}$ | 240 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 13 |
| Max. number of luminaires per miniature circuit breaker C10 | 10 |
| Max. number of luminaires per miniature circuit breaker C16 | 16 |
| Power factor λ | > 0.90 |
| Maximum total harmonic distortion | < 15 % |
| Protection class | I |
| Surge capability (L-N) | 2 kV |
| Surge capability (L/N-Ground) | 4 kV |
| Operating mode | Integrated LED driver |

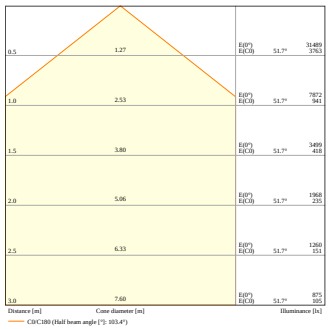
## Photometrical data

| | |
|---|---|
| Luminous flux | 19200 lm / 18000 lm / 12800 lm / 12000 lm / 9900 lm / 9000 lm |
| Luminous efficacy | 165 lm/W / 160 lm/W / 150 lm/W |
| Color temperature | 4000 K / 5000 K / 6500 K |
| Reference control setting of contained light source (Kelvin) | 4000 K |
| Light color (designation) | Cool White / Daylight / Cool Daylight |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤5 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <0.5 |
| Stroboscope effect metric (SVM) | <0,4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 110 ° |

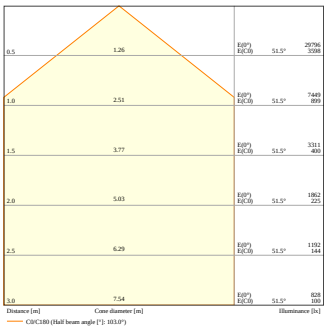

© 2026, LEDVANCE GmbH. All rights reserved.



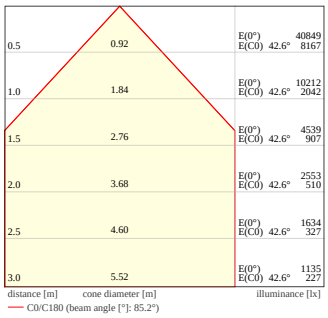

HB COMP V 120W ML 840 IP65



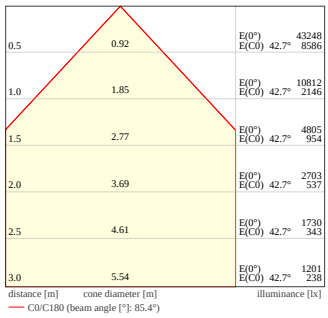

HB COMP V 120W ML 850 IP65



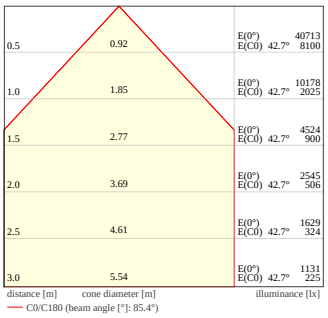

HB COMP V 120W ML 865 IP65



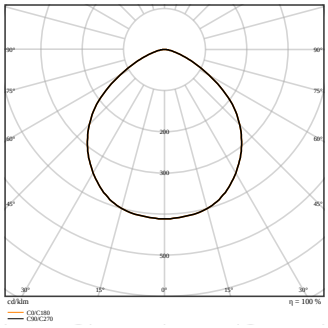

HB COMP V 120W ML 840 IP65 with reflector



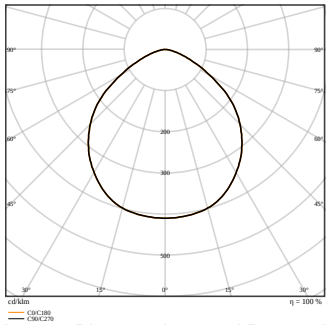

HB COMP V 120W ML 850 IP65 with reflector



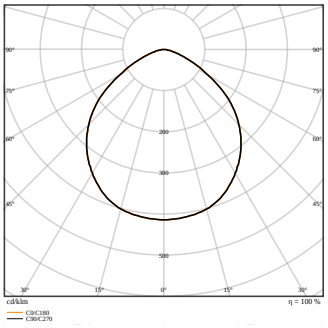

HB COMP V 120W ML 865 IP65 with reflector



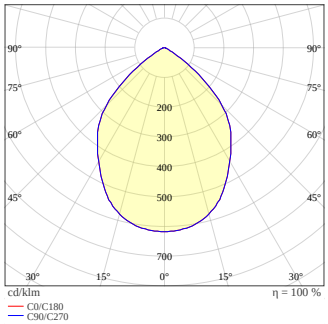

HB COMP V 120W ML 840 IP65



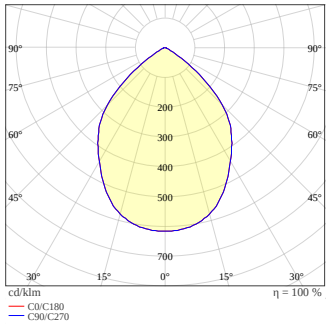

HB COMP V 120W ML 850 IP65



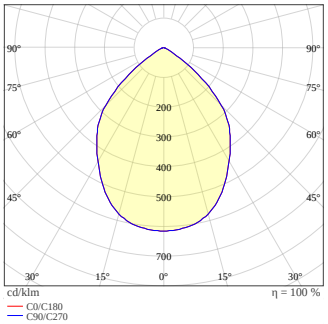

HB COMP V 120W ML 865 IP65




HB COMP V 120W ML 840 IP65 with reflector




HB COMP V 120W ML 850 IP65 with reflector




HB COMP V 120W ML 865 IP65 with reflector

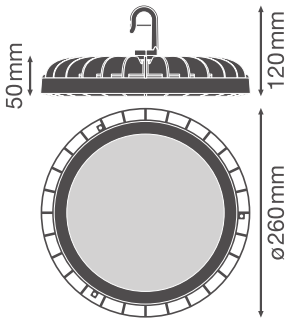

© 2026, LEDVANCE GmbH. All rights reserved.

## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|---|---|---|---|
| 120 W | 4000 K | 18000 lm | 150 lm/W |
| 120 W | 5000 K | 19200 lm | 160 lm/W |
| 120 W | 6500 K | 18000 lm | 150 lm/W |
| 80 W | 4000 K | 12000 lm | 150 lm/W |
| 80 W | 5000 K | 12800 lm | 160 lm/W |
| 80 W | 6500 K | 12000 lm | 150 lm/W |
| 60 W | 4000 K | 9000 lm | 150 lm/W |
| 60 W | 5000 K | 9900 lm | 165 lm/W |
| 60 W | 6500 K | 9000 lm | 150 lm/W |

## Dimensions & Weight

| | |
|---|---|
| Diameter | 260.00 mm |
| Height | 50.00 mm |
| Product weight | 1600.00 g |
| Cable length | 500 mm |




HB COMP V 120W ML
8405065 IP65

## Materials & Colors

| | |
|---|---|
| Product color | Black |
| Housing color | Black |
| RAL Color (most similar) | RAL 9017 |
| Body material | Aluminum |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |


© 2026, LEDVANCE GmbH. All rights reserved.

| | |
|---|---|
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -20…+50 °C |
| Temperature range at storage | -40…+80 °C |
| Type of connection | Cable, 3-pole |
| Type of protection | IP65/IP65 |
| Protection class IK (shock resistance) | IK06 |
| Dimmable | No |
| Mounting type | Surface/Suspended |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| Mechanically adjustable | Yes |
| With light source | Yes |
| Replaceable light source | No |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 110000 h [1)] |
| Lifespan L80/B10 at 25 °C | 70000 h [1)] |
| Lifespan L80/B50 at 25 °C | 100000 h |
| Lifespan L90/B10 at 25 °C | 50000 h [1)] |
| Number of switching cycles | 100000 |

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

## Control gear

| | |
|---|---|
| Output current | 535 / 361 / 278 mA |
| Output ripple current (100 Hz) | < 10 % |

## Emergency lighting

| | |
|---|---|
| Type of emergency operation test | None |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / UKCA / EAC / CB / ENEC / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00074-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |


© 2026, LEDVANCE GmbH. All rights reserved.

## Additional product data

| | |
|---|---|
| Added function | MULTI LUMEN / MULTI COLOR |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | HB COMP REFLECTOR 120W 2PCS | 4099854743894 |
|  | HB COMP BRACKET 120W | 4099854743849 |

## EQUIPMENT / ACCESSORIES

- Bracket available
- Reflector available

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Terminal block not included. Installation must be made by a qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | G11260281 HIGHBAY COMPACT IP65 |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | HB COMP |
| PDF | Legal information | HB COMP |
| PDF | Legal information | G11258067 Light Source Insert |
| PDF | Declarations of conformity | HIGHBAY COMPACT |


© 2026, LEDVANCE GmbH. All rights reserved.

| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity UKCA | HIGHBAY COMPACT |
| PDF | Certificates | ENEC HB COMP V IP65 |
| PDF | EPD | EPD_EN_HIGH BAY COMPACT GEN 2 |
| PDF | EPD | EPD_FR_HIGH BAY COMPACT GEN 2 |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | HB COMP V 120W ML 840 IP65 |
| IES | IES file (IES) | HB COMP V 120W ML 850 IP65 |
| IES | IES file (IES) | HB COMP V 120W ML 865 IP65 |
| IES | IES file (IES) | HB COMP V 120W ML 840 IP65 with reflector |
| IES | IES file (IES) | HB COMP V 120W ML 850 IP65 with reflector |
| IES | IES file (IES) | HB COMP V 120W ML 865 IP65 with reflector |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 840 IP65 |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 850 IP65 |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 865 IP65 |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 840 IP65 with reflector |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 850 IP65 with reflector |
| LDT | LDT file (Eulumdat) | HB COMP V 120W ML 865 IP65 with reflector |
| ULD | ULD file (DIALux) | HB COMP V 120W ML 8405065 IP65 |
| ROLF | ROLF file (RELUX) | HB COMP V 120W ML 8405065 IP65 |


© 2026, LEDVANCE GmbH. All rights reserved.

| | Photometric and lighting design files | Document name |
|---|---|---|
| | UGR file (UGR table) | HB COMP V 120W ML 840 IP65 |
| | UGR file (UGR table) | HB COMP V 120W ML 850 IP65 |
| | UGR file (UGR table) | HB COMP V 120W ML 865 IP65 |
| | UGR file (UGR table) | HB COMP V 120W ML 840 IP65 with reflector |
| | UGR file (UGR table) | HB COMP V 120W ML 850 IP65 with reflector |
| | UGR file (UGR table) | HB COMP V 120W ML 865 IP65 with reflector |
| | Light distribution curve type cone | HB COMP V 120W ML 840 IP65 |
| | Light distribution curve type cone | HB COMP V 120W ML 850 IP65 |
| | Light distribution curve type cone | HB COMP V 120W ML 865 IP65 |
| | Light distribution curve type cone | HB COMP V 120W ML 840 IP65 with reflector |
| | Light distribution curve type cone | HB COMP V 120W ML 850 IP65 with reflector |
| | Light distribution curve type cone | HB COMP V 120W ML 865 IP65 with reflector |
| | Light distribution curve type polar | HB COMP V 120W ML 840 IP65 |
| | Light distribution curve type polar | HB COMP V 120W ML 850 IP65 |
| | Light distribution curve type polar | HB COMP V 120W ML 865 IP65 |
| | Light distribution curve type polar | HB COMP V 120W ML 840 IP65 with reflector |
| | Light distribution curve type polar | HB COMP V 120W ML 850 IP65 with reflector |
| | Light distribution curve type polar | HB COMP V 120W ML 865 IP65 with reflector |


© 2026, LEDVANCE GmbH. All rights reserved.

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | HB COMP G2 |
| | CAD STEP 3D | HB COMP G2 120W |

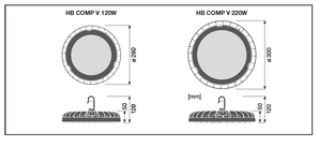
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | HIGH BAY COMPACT GEN 2 V 120W ML 8405065 IP65-en |

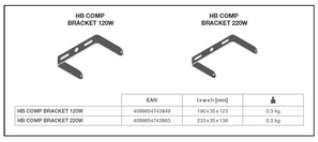
## LOGISTICAL DATA

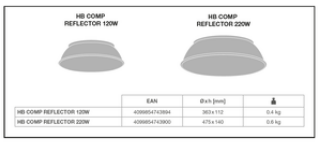
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854743825 | Shipping box<br>1 | 300 mm x 299 mm x 82 mm | 1905.00 g | 7.36 $dm^3$ |

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.

## ADDITIONAL CATALOG INFORMATION




## 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.


© 2026, LEDVANCE GmbH. All rights reserved.