# PRODUCT DATASHEET
# HB DA P 75W 865 70DEG IP66

## HIGH BAY DALI GEN 5 | High-bay DALI luminaires up to 181 lm/W and attractive UGR



PERFOR-
MANCE
CLASS

## Areas of application

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

## Product benefits

- Improved UGR compared to previous generations, down to UGR ≤ 19 (<150W, 70°) in combination with reflector
- Energy savings of up to 70 % compared to conventional high bay luminaires
- Optimized weight and size due to compact design

## Product features

- DALI versions with IoT-ready DALI-2 driver
- Different luminous flux and beam angle for mounting heights of ~ 6 m to 18 m in 4000 K or 6500 K
- Dimming range (DALI): 10…100 %
- Lifetime (L80/B10): up to 100,000 h (at 35 °C)




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# TECHNICAL DATA

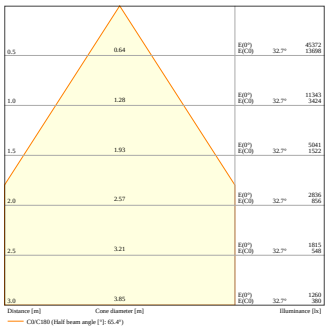
## Electrical data

| | |
|---|---|
| Nominal wattage | 75.00 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 335.000 mA |
| Inrush current | 16.6 A |
| Inrush current time $T_{h50}$ | 244 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 15 |
| Max. number of luminaires per miniature circuit breaker C10 | 12 |
| Max. number of luminaires per miniature circuit breaker C16 | 19 |
| Power factor λ | > 0.95 |
| Maximum total harmonic distortion | < 15 % |
| Protection class | I |
| Operating mode | Integrated LED driver |
| Dimming interface | DALI-2 |

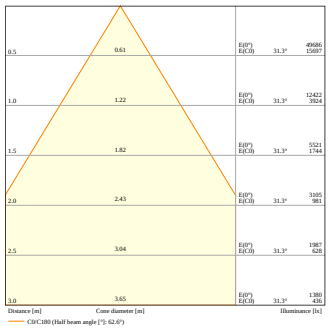
## Photometrical data

| | |
|---|---|
| Luminous flux | 13125 lm |
| Luminous efficacy | 175 lm/W |
| Color temperature | 6500 K |
| Light color (designation) | Cool Daylight |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤4 sdcm |
| Low flicker | Yes |
| Flickering metric (Pst LM) | <1 |
| Stroboscope effect metric (SVM) | <0,4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Photobiological safety group acc. to EN62471 | RG0 |
| Beam angle | 70 ° |

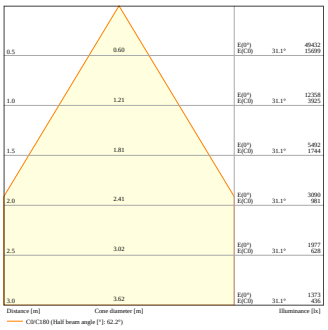

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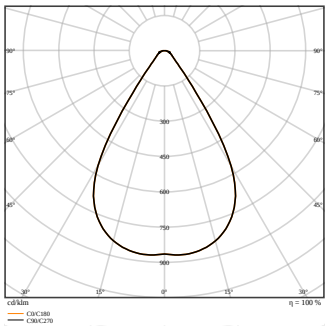
HB DA P 75W 865 70DEG IP66



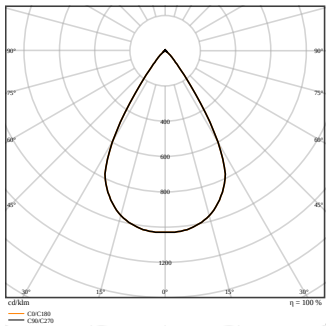
HB DA P 75W 865 70DEG IP66 WITH REFLECTOR



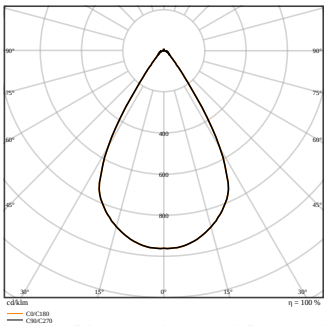
HB DA P 75W 865 70DEG IP66 WITH REFRACTOR



HB DA P 75W 865 70DEG IP66



HB DA P 75W 865 70DEG IP66 WITH REFLECTOR

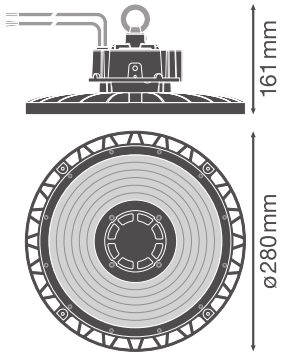


HB DA P 75W 865 70DEG IP66 WITH REFRACTOR

## Dimensions & Weight

| | |
|---|---|
| Diameter | 280.00 mm |
| Height | 161.00 mm |
| Product weight | 2600.00 g |
| Cable length | 1500 mm |


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HB P

## Materials & Colors

| | |
|---|---|
| Product color | Black |
| Housing color | Black |
| RAL Color (most similar) | RAL 9005 |
| Body material | Aluminum |
| Cover material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -30…+50 °C |
| Temperature range at storage | -40…+80 °C |
| Type of connection | Cable, 3-pole |
| Type of protection | IP66 |
| Protection class IK (shock resistance) | IK10 |
| Dimmable | Yes |
| Type of dimming | DALI-2 |
| Mounting type | Surface/Suspended |
| Mounting location | Ceiling / Wall |
| Application environment | Indoor |
| With light source | Yes |
| Replaceable light source | No |


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## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 120000 h [1)] |
| Lifespan L80/B10 at 25 °C | 100000 h [1)] |
| Lifespan L80/B50 at 25 °C | 100000 h |
| Lifespan L90/B10 at 25 °C | 49000 h [1)] |
| Number of switching cycles | 200000 |

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

## Control gear

| | |
|---|---|
| Nominal output current | 305 mA |
| Output current | 305 mA |
| Output ripple current (100 Hz) | < 5 % |

## Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | EL certified driver (0Hz / DC operation) for central battery operation included |
| Type of emergency operation test | None |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / UKCA / EAC / CB / ENEC / TÜV SÜD / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes |
| Ball shot safe | No |
| EPD | LEDV-00032-V01.01-EN |
| Replaceable light source (EPREL) | Not replaceable |

## Additional product data

| | |
|---|---|
| Added function | VIVARES |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | HB BRACKET 138 | 4058075844643 |
|  | HB ALU REFLECTOR 415 | 4058075844568 |


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| Product image | Product name | EAN |
|---|---|---|
|  | HB PC REFRACTOR 415 | 4058075844605 |

## Components for light control

Components Light Control

| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT GROUP DALI-2 TW | 4099854748691 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 | 4058075837485 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 TW | 4058075837508 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW | 4058075837522 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 TW | 4058075837560 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 | 4058075837546 |
|  | PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075837584 |
|  | PUSH CONTROL UNIT FM DALI-2 DIM | 4099854846922 |


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| Product image | Product name | EAN |
|---|---|---|
|  | SURFACE MOUNT FRAME | 4058075843561 |
|  | PUSHBUTTON COUPLER DALI-2 | 4058075837607 |
|  | FLEX CONTROL UNIT IOT DALI-2 HCL TW | 4058075841888 |
|  | FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW | 4058075841901 |
|  | FLEX CONTROL UNIT DALI-2 TW | 4058075843844 |
|  | FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW | 4058075841925 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION | 4058075837621 |
|  | SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6 | 4099854748714 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION | 4058075841949 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION | 4058075843868 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING | 4058075843882 |


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| Product image | Product name | EAN |
|---|---|---|
|  | HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING | 4058075857537 |
|  | DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM | 4058075843905 |
|  | RELAY DALI-2 RAIL MOUNTING | 4099854709159 |
|  | RELAY DALI-2 CEILING MOUNTING | 4099854709135 |
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |

## EQUIPMENT / ACCESSORIES

- Mounting hook included
- Mounting brackets, reflectors and refractors available as separate accessory

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | HB ACC |
| PDF | Legal information | HB DA P |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Legal information | Safety Insert G11205496 |
| PDF | Declarations of conformity | HIGHBAY DALI P |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity UKCA | HIGHBAY DALI P |
| PDF | Certificates | ENEC HIGHBAY P DALI |
| PDF | EU Data Act | DALI LED Driver and Luminaires |
| PDF | EPD | EPD EN HIGH BAY GEN 5 DALI |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | HB DA P 75W 865 70DEG IP66 |
| IES | IES file (IES) | HB DA P 75W 865 70DEG IP66 WITH REFLECTOR |
| IES | IES file (IES) | HB DA P 75W 865 70DEG IP66 WITH REFRACTOR |
| LDT | LDT file (Eulumdat) | HB DA P 75W 865 70DEG IP66 |
| LDT | LDT file (Eulumdat) | HB DA P 75W 865 70DEG IP66 WITH REFLECTOR |
| LDT | LDT file (Eulumdat) | HB DA P 75W 865 70DEG IP66 WITH REFRACTOR |
| ULD | ULD file (DIALux) | HB DA P 75W 865 70DEG IP66 |
| ROLF | ROLF file (RELUX) | HB DA P 75W 865 70DEG IP66 |
| | UGR file (UGR table) | HB DA P 75W 865 70DEG IP66 |
| | UGR file (UGR table) | HB DA P 75W 865 70DEG IP66 WITH REFLECTOR |
| | UGR file (UGR table) | HB DA P 75W 865 70DEG IP66 WITH REFRACTOR |
| | Light distribution curve type cone | HB DA P 75W 865 70DEG IP66 |
| | Light distribution curve type cone | HB DA P 75W 865 70DEG IP66 WITH REFLECTOR |
| | Light distribution curve type cone | HB DA P 75W 865 70DEG IP66 WITH REFRACTOR |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | Light distribution curve type polar | HB DA P 75W 865 70DEG IP66 |
| | Light distribution curve type polar | HB DA P 75W 865 70DEG IP66 WITH REFLECTOR |
| | Light distribution curve type polar | HB DA P 75W 865 70DEG IP66 WITH REFRACTOR |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | High Bay G5 |
| | CAD STEP 3D | HB G5 75W |

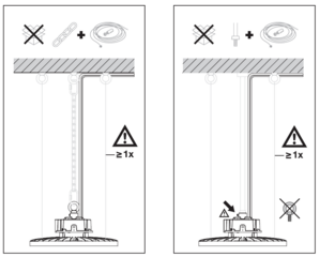
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | HIGH BAY DALI GEN 5 75W 865 70DEG IP66-EN |

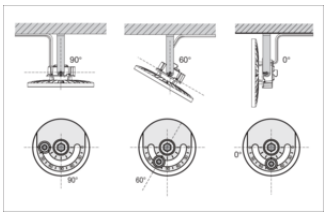
## LOGISTICAL DATA

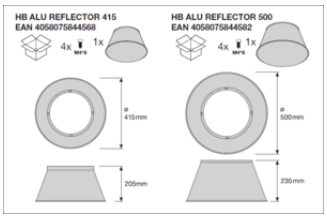
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075844469 | Shipping box<br>1 | 328 mm x 328 mm x 171 mm | 3208.00 g | 18.40 $dm^3$ |

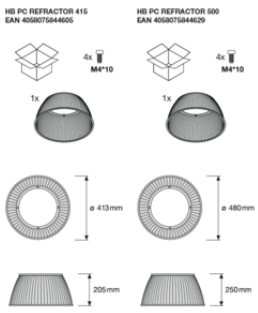
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION









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## References / Links

– For Guarantee see www.ledvance.com/guarantee

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