# PRODUCT DATASHEET
# LB FLEX 1200 DALI P 73W 840 N

LOW BAY FLEX 1200 DALI | Low-bay luminaires with attractive linear design, up to 155 lm/W with DALI-2 technology



PERFOR-MANCE CLASS

## Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industrial and storage facilities
- Discounters, supermarkets
- Sports halls
- Indoor sports facilities

## Product benefits

- High compatibility thanks to DALI-2 certification
- Economical thanks to high luminous efficacy up to 155 lm/W
- Easy and quick installation thanks to toolless connector box with 5- and 7-pole terminals
- Modern and robust design
- 5 years guarantee

## Product features

- DALI-2 certified
- Different luminous flux and beam angle for mounting heights of ~ 4 m to ~10 m in 4000 K
- Through-wiring cable already installed
- Long Lifetime (L80/B10): up to 100,000 h
- High color consistency: ≤ 3 SDCM


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# TECHNICAL DATA

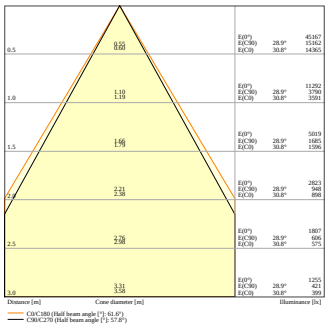
## Electrical data

| | |
|---|---|
| Nominal wattage | 73 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 0/50/60 Hz |
| Nominal current | 320 mA |
| Inrush current | 17.3 A |
| Inrush current time $T_{h50}$ | 164 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 27 |
| Max. number of luminaires per miniature circuit breaker C10 | 36 |
| Max. number of luminaires per miniature circuit breaker C16 | 36 |
| Power factor λ | ≥0.90 |
| Maximum total harmonic distortion | ≤ 20 % |
| Protection class | I |
| Operating mode | Electronic control gear (ECG) |
| Dimming interface | DALI-2 / IoT |

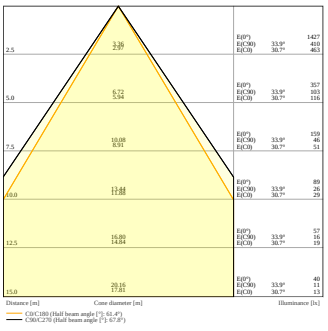
## Photometrical data

| | |
|---|---|
| Luminous flux | 11315 lm |
| Luminous efficacy | 155 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | < 3 sdcm |
| Low flicker | Yes |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 60 ° |

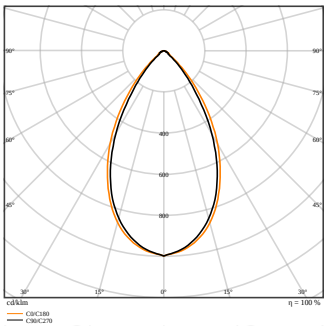

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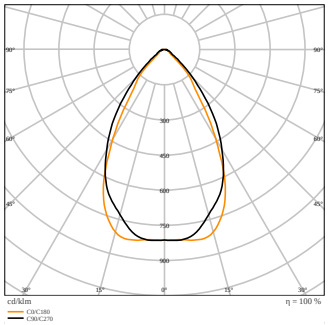
LB FLEX 1200 DALI P 73W 840 N



LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER



LB FLEX 1200 DALI P 73W 840 N

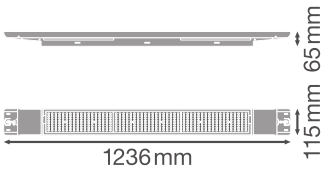


LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER

## Dimensions & Weight

| | |
|---|---|
| Length | 1236.00 mm |
| Width | 115.00 mm |
| Height | 65.00 mm |
| Product weight | 2900.00 g |


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# LOW BAY FLEX 1200

## Materials & Colors

| | |
|---|---|
| Product color | White |
| Housing color | White |
| RAL Color (most similar) | RAL 9003 |
| Body material | Steel |
| Cover material | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -25…+50 °C |
| Temperature range at storage | -20…+80 °C |
| Type of connection | SCREWLESS TERMINAL, 7-POLE (L1, L2, L3, N, PE, DA, DA) |
| Type of protection | IP23 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | Yes |
| Type of dimming | DALI-2 |
| IoT ready | Support of DALI data type PART 251, 252, 253 [1)] |
| Mounting type | Surface/Suspended |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Mechanically adjustable | No |
| With light source | Yes |


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| | |
|---|---|
| Replaceable light source | No |

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 100000 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 | 83000 h 1) |
| Number of switching cycles | 50000 |

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 | 310 mA |
| Output ripple current (100 Hz) | < 10 % |
| Recommended control gear | TRIDONIC/LCI 100/200-850/300 o4a si PRE |

## Emergency lighting

| | |
|---|---|
| Wattage in emergency operation mode | 14.7 W |
| Luminous flux in emergency operation mode | 1787 lm |

## Certificates & Standards

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

## Additional product data

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

## Components for light control

| Components Light Control |
|---|

| Product image | Product name | EAN |
|---|---|---|
|  | MANUAL CONTROL UNIT GROUP DALI-2 TW | 4099854748691 |


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| Product image | Product name | EAN |
|---|---|---|
|  | 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 |
|  | 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 |


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| Product image | Product name | EAN |
|---|---|---|
|  | 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 |
|  | 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 |


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| Product image | Product name | EAN |
|---|---|---|
|  | REPEATER DALI-2 RAIL MOUNTING | 4099854709111 |
|  | REPEATER DALI-2 CEILING MOUNTING | 4099854709098 |

## EQUIPMENT / ACCESSORIES

– Suspension kit, ball-proof cover and angulation mounting kit available as separate accessory

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | UI Lowbay Flex |
| PDF | Legal information | Legal Insert LB FLEX DALI |
| PDF | Legal information | LS Insert LB FLEX DALI |
| PDF | Legal information | Informationstext 18 Abs 4 ElektroG |
| PDF | Declarations of conformity | LB FLEX |
| PDF | Declarations of conformity UKCA | LB FLEX |
| PDF | EU Data Act | DALI LED Driver and Luminaires |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | LB FLEX 1200 DALI P 73W 840 N |
| IES | IES file (IES) | LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER |
| LDT | LDT file (Eulumdat) | LB FLEX 1200 DALI P 73W 840 N |
| LDT | LDT file (Eulumdat) | LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER |
| ULD | ULD file (DIALux) | LB FLEX 1200 DALI P 73W 840 N |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | ROLF file (RELUX) | LB FLEX 1200 DALI P 73W 840 N |
| | UGR file (UGR table) | LB FLEX 1200 DALI P 73W 840 N |
| | UGR file (UGR table) | LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER |
| | Light distribution curve type cone | LB FLEX 1200 DALI P 73W 840 N |
| | Light distribution curve type cone | LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER |
| | Light distribution curve type polar | LB FLEX 1200 DALI P 73W 840 N |
| | Light distribution curve type polar | LB FLEX BP 1200 DALI P 73W 840 N WITH BP COVER |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | LOW BAY FLEX |
| | CAD STEP 3D | LB FLEX 1200 |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | LOW BAY FLEX 1200 DALI DALI P 73W 840 N-EN |

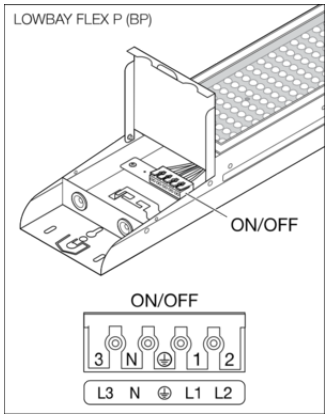
## LOGISTICAL DATA

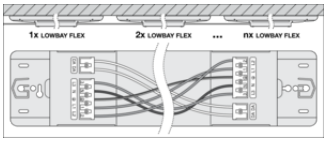
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854164170 | Folding box<br>1 | 106 mm x 1,282 mm x 154 mm | 3288.00 g | 20.93 $dm^3$ |
| 4099854164187 | Shipping box<br>3 | 1,312 mm x 488 mm x 143 mm | 12320.00 g | 91.56 $dm^3$ |

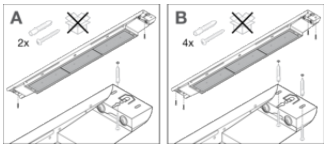
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

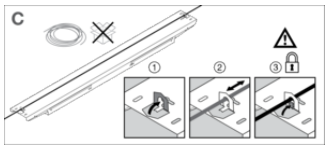

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## ADDITIONAL CATALOG INFORMATION




## References / Links

– For Guarantee see www.ledvance.com/guarantee

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