# PRODUCT DATASHEET
# LB FLEX 1500 P 140W 840 W

LOW BAY FLEX 1500 | Low-bay luminaires with attractive linear design, up to 160 lm/W



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 facilites

## Product benefits

- Economical thanks to high luminous efficacy up to 160 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

- Different luminous flux and beam angle for mounting heights of ~ 4 m to ~14 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

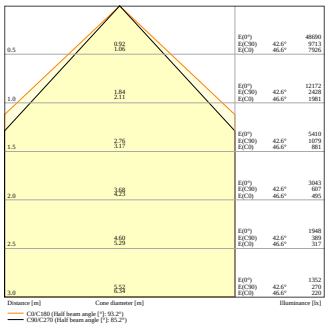
## Electrical data

| | |
|---|---|
| Nominal wattage | 140 W |
| Nominal voltage | 220…240 V |
| Mains frequency | 50…60 Hz |
| Nominal current | 650 mA |
| Inrush current | 36.76 A |
| Inrush current time $T_{h50}$ | 406 µs |
| Max. number of luminaires per miniature circuit breaker B16 | 9 |
| Max. number of luminaires per miniature circuit breaker C10 | 15 |
| Max. number of luminaires per miniature circuit breaker C16 | 15 |
| Power factor λ | ≥0.90 |
| Maximum total harmonic distortion | ≤ 20 % |
| Protection class | I |
| Operating mode | Electronic control gear (ECG) |

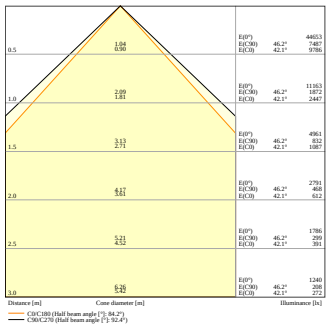
## Photometrical data

| | |
|---|---|
| Luminous flux | 22000 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 | 90 ° |

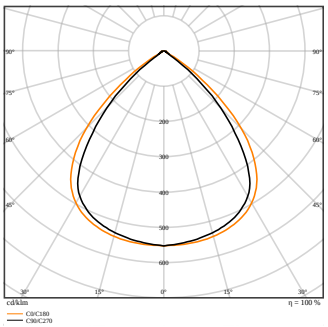

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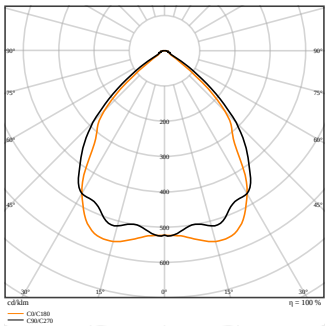
LB FLEX 1500 P 140W 840 W



LB FLEX 1500 P 140W 840 W WITH BP COVER



LB FLEX 1500 P 140W 840 W

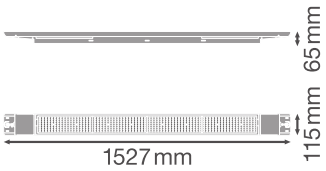


LB FLEX 1500 P 140W 840 W WITH BP COVER

## Dimensions & Weight

| | |
|---|---|
| Length | 1527.00 mm |
| Width | 115.00 mm |
| Height | 65.00 mm |
| Product weight | 3850.00 g |


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# LOW BAY FLEX 1500

## 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 | Terminals, 5-Pole (L1, L2, L3, N, PE) |
| Type of protection | IP23 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | No |
| Mounting type | Surface/Suspended |
| Mounting location | Ceiling |
| Application environment | Indoor |
| Mechanically adjustable | No |
| With light source | Yes |
| Replaceable light source | No |


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## 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 | 51000 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 | 600 mA |
| Output ripple current (100 Hz) | < 10 % |

## Certificates & Standards

| | |
|---|---|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC / UKCA / EPD |
| Luminaire with limited surface temperature, "D sign" | No |
| Ball shot safe | No |
| EPD | LEDV-00020-V01.01-EN |

## 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 |
| 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 | EPD | EPD EN LOW BAY FLEX |


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| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | LB FLEX 1500 P 140W 840 W |
| | IES file (IES) | LB FLEX 1500 P 140W 840 W WITH BP COVER |
| | LDT file (Eulumdat) | LB FLEX 1500 P 140W 840 W |
| | LDT file (Eulumdat) | LB FLEX 1500 P 140W 840 W WITH BP COVER |
| | ULD file (DIALux) | LB FLEX 1500 P 140W 840 W LED |
| | ROLF file (RELUX) | LB FLEX 1500 P 140W 840 W |
| | UGR file (UGR table) | LB FLEX 1500 P 140W 840 W |
| | UGR file (UGR table) | LB FLEX 1500 P 140W 840 W WITH BP COVER |
| | Light distribution curve type cone | LB FLEX 1500 P 140W 840 W |
| | Light distribution curve type cone | LB FLEX 1500 P 140W 840 W WITH BP COVER |
| | Light distribution curve type polar | LB FLEX 1500 P 140W 840 W |
| | Light distribution curve type polar | LB FLEX 1500 P 140W 840 W WITH BP COVER |

| | CAD/BIM files | Document name |
|---|---|---|
| | BIM Revit 3D | LOW BAY FLEX |
| | CAD STEP 3D | LB FLEX 1500 |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | LOW BAY FLEX 1500 P 140W 840 W-EN |

## LOGISTICAL DATA

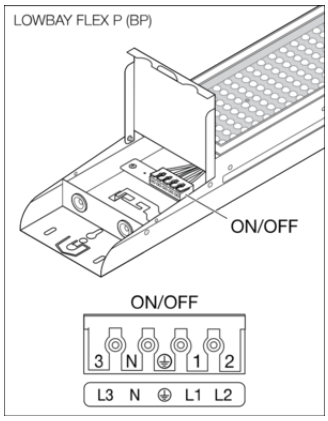
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854163678 | Folding box<br>1 | 106 mm x 1,572 mm x 154 mm | 4305.00 g | 25.66 $dm^3$ |

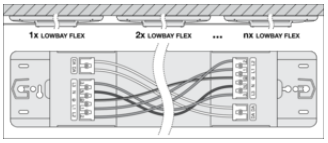

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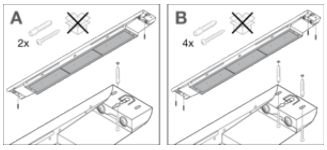
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854163685 | Shipping box<br>3 | 1,602 mm x 488 mm x 143 mm | 15480.00 g | 111.79 $dm^3$ |

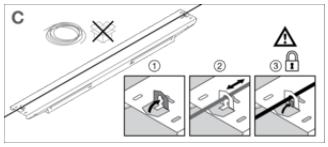
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION




## References / Links

– For Guarantee see www.ledvance.com/guarantee

## DISCLAIMER

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