

PRODUCT DATASHEET

LB FLEX BP 1500 P 105W 840 W

LOW BAY FLEX BALL PROOF | Ball proof Low-bay luminaires with attractive linear design, up to 155 lm/W



Areas of application

- Sports halls
- Indoor sports facilities

Product benefits

- Ball-proof luminaire with increased physical robustness (according to DIN 18032-3 and DIN 57710-13)
- 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

- Ball-proof Low-bay luminaires for mounting heights up 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

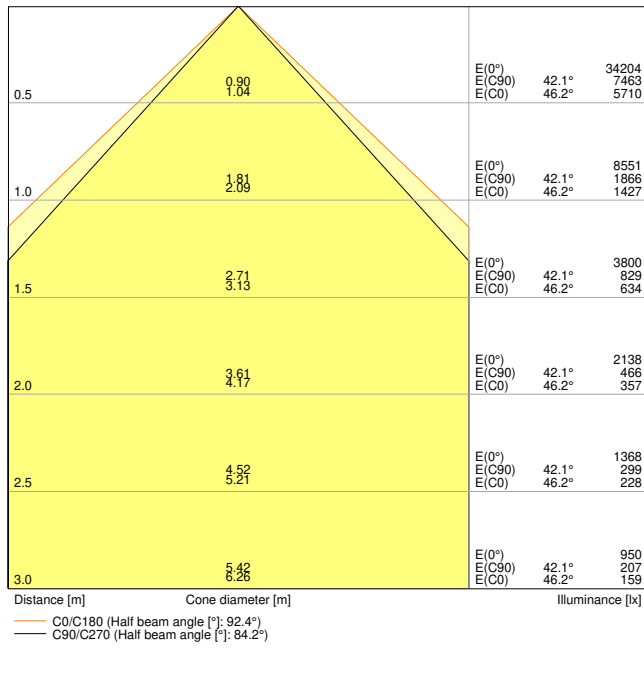


TECHNICAL DATA**Electrical data**

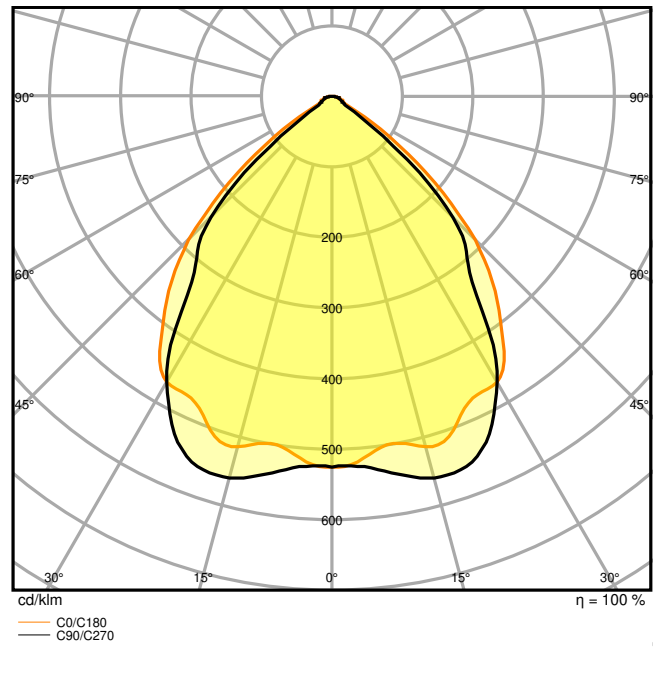
| | |
|--|-------------------------------|
| Nominal wattage | 105 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 450 mA |
| Inrush current | 35.35 A |
| Inrush current time T_{h50} | 290 μ s |
| Max. no. of lum. on circuit break. B16 A | 21 |
| Max. no. of lum. on circuit break. C10 A | 16 |
| Max. no. of lum. on circuit break. C16 A | 27 |
| Power factor λ | ≥ 0.90 |
| Total harmonic distortion | $\leq 20 \%$ |
| Protection class | I |
| Operating mode | ELECTRONIC CONTROL GEAR (ECG) |

Photometrical data

| | |
|--|------------|
| Luminous flux | 16275 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 sdcn |
| Low flicker | Yes |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 90 ° |



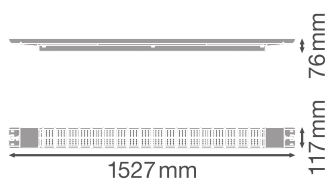
LDC typ cone



LDC typ polar

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 1527 mm |
| Width | 117.00 mm |
| Height | 76.00 mm |
| Product weight | 6000.00 g |



Materials & Colors

| | |
|--|--------|
| Product color | White |
| Housing color | White |
| Body material | Steel |
| 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 | -40...+80 °C |
| Type of connection | Screwless terminal |
| Type of protection | IP23 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | No |
| Mounting type | Surface |
| Mounting location | Ceiling |
| Application environment | Indoor |
| LED module replaceable | Not replaceable |
| With light source | Yes |

Lifespan

| | |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C | 100000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 100000 h ¹⁾ |
| Lifespan L90/B10 at 25 °C | 82000 h |
| 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 | 460 mA |
|----------------|--------|

Certificates & Standards

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

DOWNLOAD DATA

| Documents and certificates | |
|---|---------------------------------|
|  | User instruction |
|  | Addon Technical Information |
|  | Declarations Of Conformity CE |
|  | Declarations Of Conformity UKCA |
|  | Certificates |
| 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 | |
|  | BIM_Revit_3D |
|  | CAD_STEP_3D |
| Tender texts | |
|  | Tender documents |

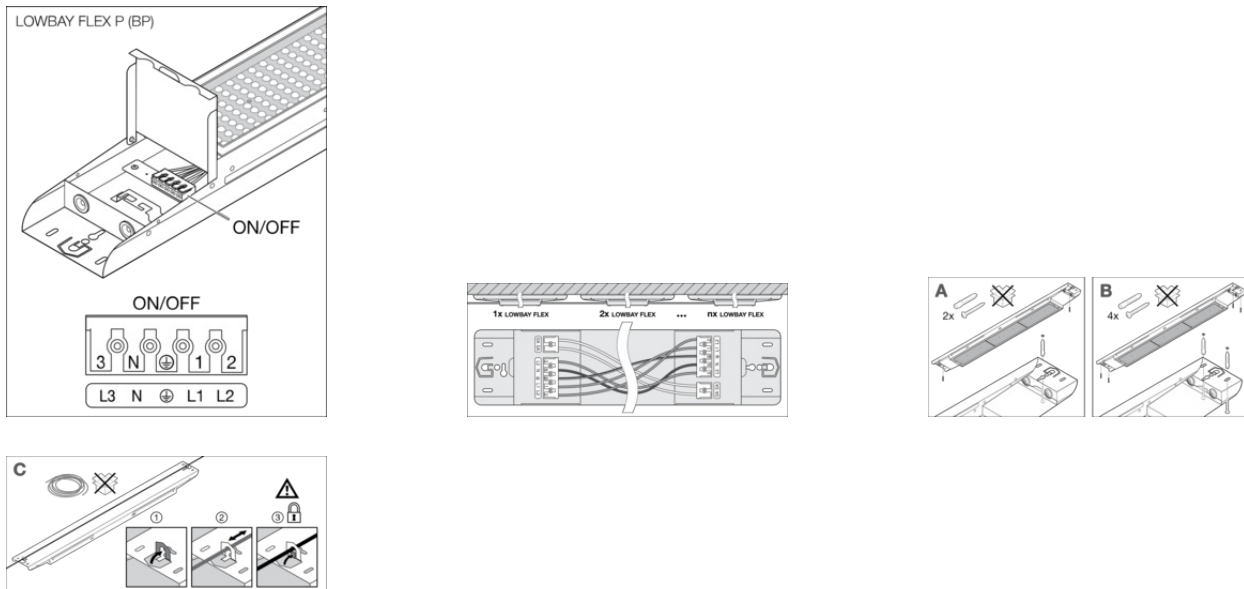
LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075676367 | Folding box 1 | 106 mm x 1,572 mm x 154 mm | 6433.00 g | 25.66 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075676374 | Shipping box 3 | 1,602 mm x 488 mm x 143 mm | 21782.00 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.