

# 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:  $\leq 3$  SDCM



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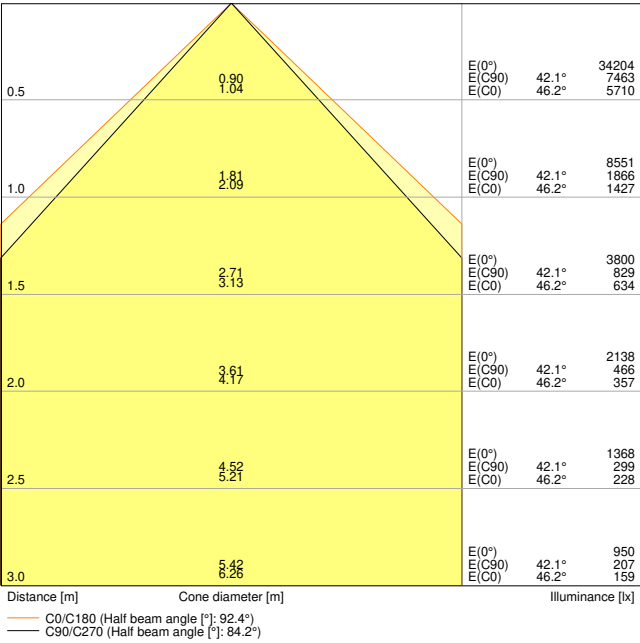
## TECHNICAL DATA

### Electrical data

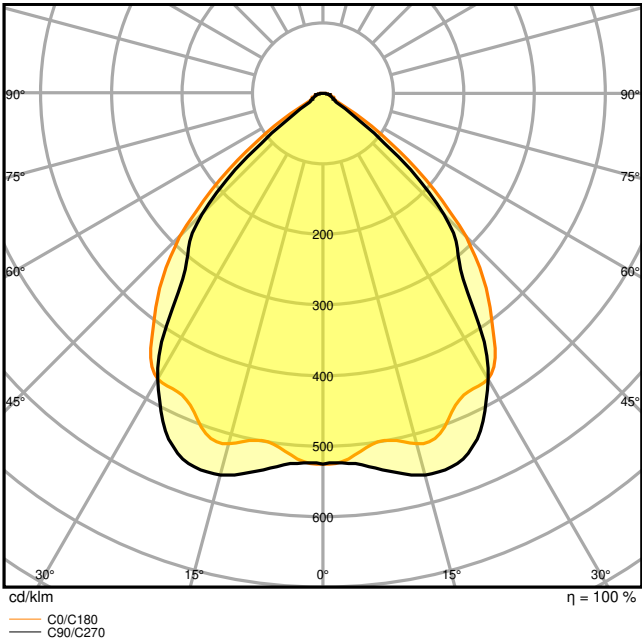
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 105 W                         |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 450 mA                        |
| Inrush current                                              | 35.35 A                       |
| Inrush current time $T_{h50}$                               | 290 $\mu$ s                   |
| Max. number of luminaires per miniature circuit breaker B16 | 21                            |
| Max. number of luminaires per miniature circuit breaker C10 | 16                            |
| Max. number of luminaires per miniature circuit breaker C16 | 27                            |
| Power factor $\lambda$                                      | $\geq 0.90$                   |
| 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                     | $\geq 80$              |
| Standard deviation of color matching         | $< 3$ sdc <sub>m</sub> |
| Low flicker                                  | Yes                    |
| Photobiological safety group acc. to EN62778 | RG1                    |
| Photobiological safety group acc. to EN62471 | RG1                    |
| Beam angle                                   | 90 °                   |



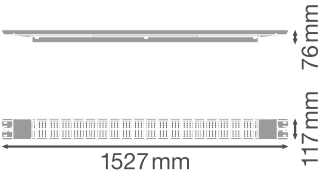
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Dimensions & Weight

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



LB FLEX BP 1500

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| 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           | -40...+80 °C       |
| Type of connection                     | Screwless terminal |
| Type of protection                     | IP23               |
| Protection class IK (shock resistance) | IK08               |
| Dimmable                               | No                 |
| Mounting type                          | Surface/Suspended  |
| Mounting location                      | Ceiling            |
| Application environment                | Indoor             |
| Adjustable                             | No                 |
| With light source                      | Yes                |
| Replaceable light source               | No                 |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| Lifespan L90/B10 at 25 °C  | 82000 h                |
| Number of switching cycles | 50000                  |

<sup>1)</sup> 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 |
| ECG - Output ripple current | < 10 % |

### Certificates & Standards

|           |                                       |
|-----------|---------------------------------------|
| Standards | CE / CB / ENEC / TÜV SÜD / EAC / UKCA |
|-----------|---------------------------------------|

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | Yes             |
| Replaceable light source (EPREL)                     | Not replaceable |

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                             |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|
|    | User instruction / safety instructions | LOWBAY FLEX P / LOWBAY FLEX BP P          |
|    | Legal information                      | Legal Insert LB FLEX                      |
|    | Legal information                      | LS Insert LB FLEX DALI                    |
|    | Declarations of conformity             | EU Declaration of conformity LB FLEX      |
|    | Declarations of conformity             | CE Declaration of Conformity LB FLEX BP   |
|   | Declarations of conformity UKCA        | UKCA Declaration of Conformity LB FLEX BP |
|  | Declarations of conformity UKCA        | LB FLEX 840                               |
|  | Certificates                           | LB FLEX BP 1500                           |
| Photometric and lighting design files                                               |                                        | Document name                             |
|  | IES file (IES)                         | LB FLEX BP 1500 P 105W 840 W              |
|  | LDT file (Eulumdat)                    | LB FLEX BP 1500 P 105W 840 W              |
|  | ULD file (DIALux)                      | LB FLEX BP 1500 P 105W 840                |
|  | ROLF file (RELUX)                      | LB FLEX BP 1500 P 105W 840 W              |
|  | UGR file (UGR table)                   | LB FLEX BP 1500 P 105W 840 W              |
|  | Light distribution curve type cone     | LB FLEX BP 1500 P 105W 840 W              |
|  | Light distribution curve type polar    | LB FLEX BP 1500 P 105W 840 W              |

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

| Tender texts                                                                      |                  | Document name                                 |
|-----------------------------------------------------------------------------------|------------------|-----------------------------------------------|
|  | Tender documents | LOW BAY FLEX BALL PROOF 1500 P 105W 840 W -EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume     |
|---------------|------------------------------|--------------------------------------|--------------|------------|
| 4058075676367 | Folding box<br>1             | 106 mm x 1,572 mm x 154 mm           | 6433.00 g    | 25.66 dm³  |
| 4058075676374 | Shipping box<br>3            | 1,602 mm x 488 mm x 143 mm           | 21782.00 g   | 111.79 dm³ |

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](http://www.ledvance.com/guarantee)

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## DISCLAIMER

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