

# PRODUCT DATASHEET

## LB FLEX 1200 P 42W 840 VW

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



### 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

- 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

- 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:  $\leq 3$  SDCM



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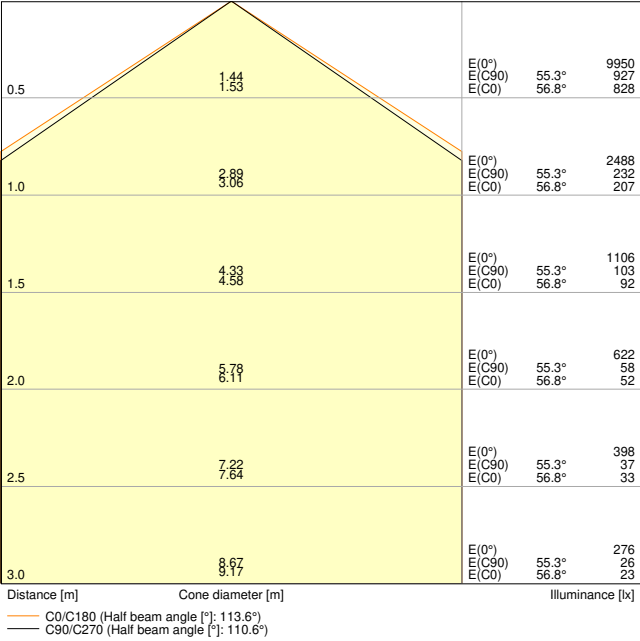
## TECHNICAL DATA

### Electrical data

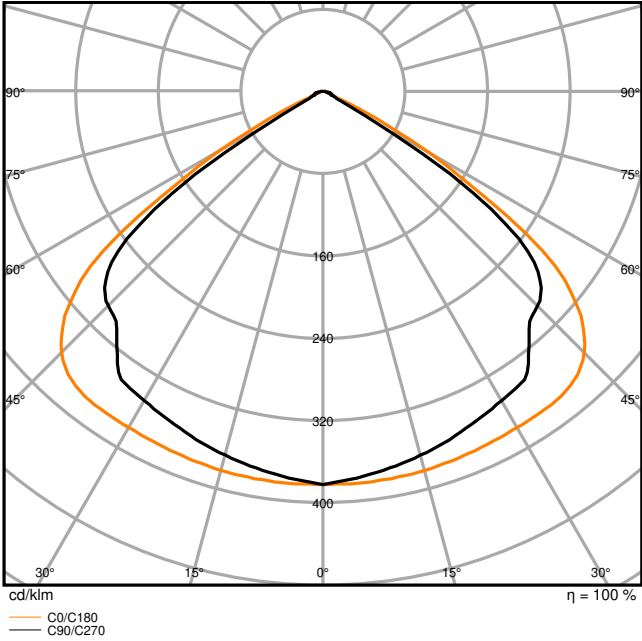
|                                                             |                               |
|-------------------------------------------------------------|-------------------------------|
| Nominal wattage                                             | 42 W                          |
| Nominal voltage                                             | 220...240 V                   |
| Mains frequency                                             | 50...60 Hz                    |
| Nominal current                                             | 190 mA                        |
| Inrush current                                              | 31.31 A                       |
| Inrush current time $T_{h50}$                               | 282 $\mu$ s                   |
| Max. number of luminaires per miniature circuit breaker B16 | 18                            |
| Max. number of luminaires per miniature circuit breaker C10 | 30                            |
| Max. number of luminaires per miniature circuit breaker C16 | 30                            |
| Power factor $\lambda$                                      | $\geq 0.90$                   |
| Total harmonic distortion                                   | $\leq 20$ %                   |
| Protection class                                            | I                             |
| Operating mode                                              | ELECTRONIC CONTROL GEAR (ECG) |

### Photometrical data

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 6510 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                                   | 120 °                |



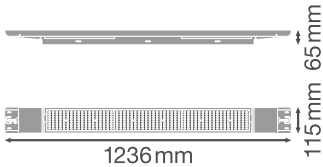
LDC typ cone



LDC typ polar

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 1236 mm   |
| Width          | 115.00 mm |
| Height         | 65.00 mm  |
| Product weight | 3400.00 g |



## 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           | -20...+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                 |
| LED module replaceable                 | Not replaceable    |
| With light source                      | Yes                |

## Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L90/B10 at 25 °C  | 83000 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              | 370 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                                       | No |

## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

| Documents and certificates                                                         |                                 |
|------------------------------------------------------------------------------------|---------------------------------|
|    | User instruction                |
|    | Addon Technical Information     |
|    | Packaging insert                |
|    | Declarations Of Conformity CE   |
|   | Declarations Of Conformity UKCA |
| 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



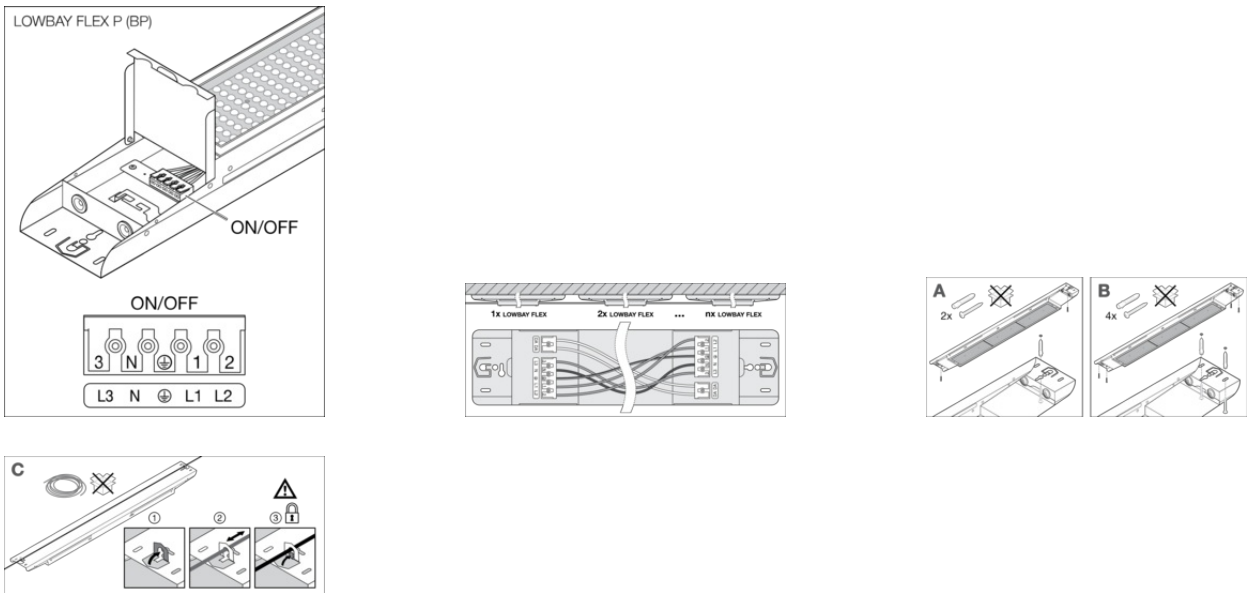
Tender documents

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075676084 | Folding box<br>1             | 76 mm x 1,244 mm x 123 mm            | 4255.00 g    | 11.63 dm <sup>3</sup> |
| 4058075676091 | Shipping box<br>3            | 1,264 mm x 250 mm x 156 mm           | 13901.00 g   | 49.30 dm <sup>3</sup> |

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)

DISCLAIMER

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