

# PRODUCT DATASHEET

## LB FLEX 1500 DALI P 105W 840 VW

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



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### Areas of application

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

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### 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

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### 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

## TECHNICAL DATA

### Electrical data

|                                          |                               |
|------------------------------------------|-------------------------------|
| Nominal wattage                          | 105 W                         |
| Nominal voltage                          | 220...240 V                   |
| Mains frequency                          | 0/50/60 Hz                    |
| Nominal current                          | 450 mA                        |
| Inrush current                           | 17.3 A                        |
| Inrush current time $T_{h50}$            | 164 $\mu$ s                   |
| Max. no. of lum. on circuit break. B16 A | 27                            |
| Max. no. of lum. on circuit break. C10 A | 17                            |
| Max. no. of lum. on circuit break. C16 A | 28                            |
| Power factor $\lambda$                   | $\geq 0.90$                   |
| Total harmonic distortion                | $\leq 20 \%$                  |
| Protection class                         | I                             |
| Operating mode                           | ELECTRONIC CONTROL GEAR (ECG) |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 16800 lm   |
| Luminous efficacy                            | 160 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | $\geq 80$  |
| Standard deviation of color matching         | < 3 sdcn   |
| Luminous intensity                           | -          |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | -          |
| Stroboscope effect metric (SVM)              | -          |
| Photobiological safety group acc. to EN62778 | RG1        |
| Photobiological safety group acc. to EN62471 | RG1        |
| Beam angle                                   | 120 °      |

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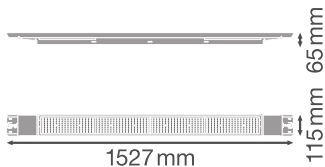
LDC typ cone

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LDC typ polar

## Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 1527 mm   |
| Width          | 115.00 mm |
| Height         | 65.00 mm  |
| Product weight | 4200.00 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       |
| Type of connection                     | Screwless terminal |
| Type of protection                     | IP23               |
| Protection class IK (shock resistance) | IK08               |
| Dimmable                               | Yes                |
| Type of dimming                        | DALI2              |
| Mounting type                          | Surface/Suspended  |
| Mounting location                      | Ceiling            |
| Application environment                | Indoor             |
| LED module replaceable                 | Not replaceable    |
| With light source                      | Yes                |

Lifespan

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

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 50000 |
|----------------------------|-------|

### 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                                       | No                                    |

### Additional product data

|                |                         |
|----------------|-------------------------|
| Product remark | Available from May 2022 |
|----------------|-------------------------|

## EQUIPMENT / ACCESSORIES

- Suspension kit available as separate accessory

## DOWNLOAD DATA

| DOWNLOAD DATA                                                                      |                             |
|------------------------------------------------------------------------------------|-----------------------------|
|  | User instruction            |
|  | Addon Technical Information |
|  | Tender documents            |
|  | Declarations of conformity  |
|  | IES file (IES)              |
|  | LDT file (Eulumdat)         |
|  | R3D file (Relux 3D Model)   |
|  | M3D file (3D Model)         |
|  | UGR file (UGR table)        |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075676343 | Folding box<br>1             | 76 mm x 1,535 mm x 123 mm            | 5056.00 g    | 14.35 dm <sup>3</sup> |
| 4058075676350 | Shipping box<br>3            | 1,555 mm x 250 mm x 156 mm           | 16523.00 g   | 60.65 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.

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### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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### DISCLAIMER

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