

# PRODUCT DATASHEET

## DP FLEX DA 1500 P 42W 840 IP66

DAMP PROOF FLEX DALI | Flexible damp-proof luminaires with through-wiring and DALI-2 technology



### Areas of application

- Industrial and storage facilities
- DALI installations
- Workshops, assembly lines
- Passages, underpasses
- Parking garages
- Underground parking



### Product benefits

- High compatibility thanks to DALI-2 certification
- Driver suitable for Emergency escape lighting systems acc. to EN 50172
- Uniform light distribution
- Easy upgradeability of light source and driver (EVERLOOP design)
- Enables participation in funding programs in certain countries to replace light source and driver
- Easy access to electrical terminal thanks to end caps with twist and lock mechanism
- Easy installation as mounting brackets can be positioned freely on the luminaire
- Tool-free electrical connection due to push button connector
- Energy savings of up to 66 % (compared to luminaires that use fluorescent lamps)
- Low flicker  $\leq 3 \%$

### Product features

- High luminous efficacy: up to 162 lm/W
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Housing and diffuser material: polycarbonate (PC)



- Through-wiring 5x1.5mm<sup>2</sup> already installed
- Beam angle: 120°
- Protection rating: IP66
- Impact resistance: IK08

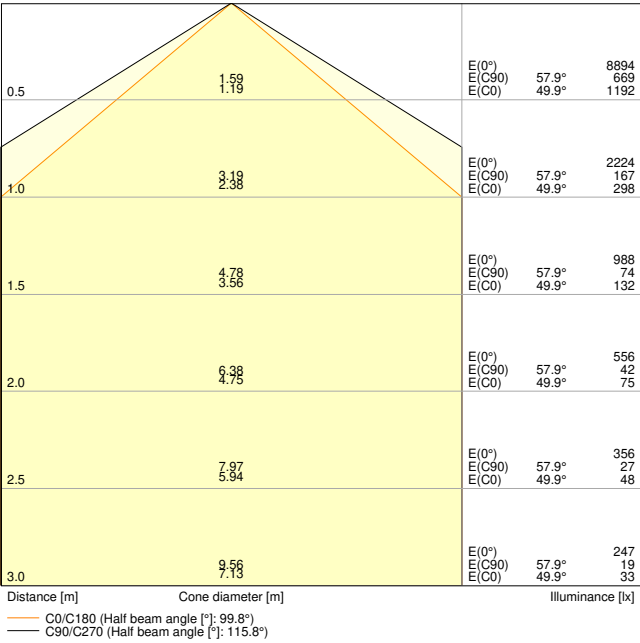
## TECHNICAL DATA

### Electrical data

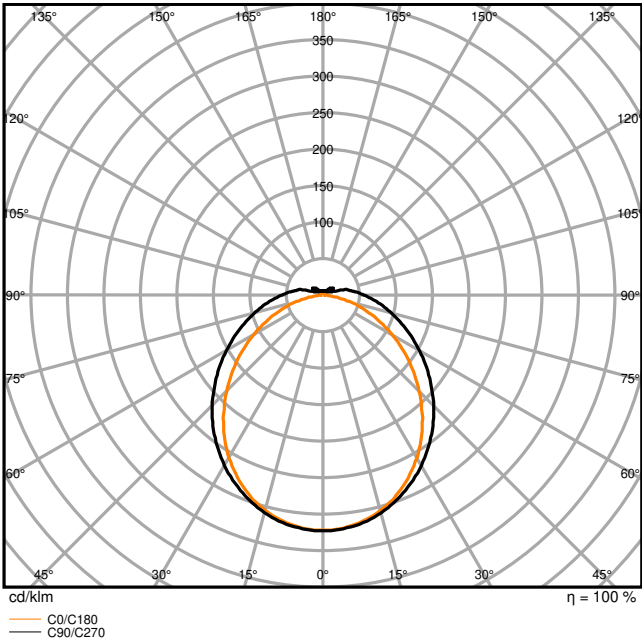
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 42.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 185.000 mA            |
| Inrush current                                              | 3.6 A                 |
| Inrush current time $T_{h50}$                               | 1800 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 24                    |
| Max. number of luminaires per miniature circuit breaker C10 | 25                    |
| Max. number of luminaires per miniature circuit breaker C16 | 40                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | $\leq 23$ %           |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI-2/IoT            |

### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 6900 lm       |
| Luminous efficacy                            | 162 lm/W      |
| Color temperature                            | 4000 K        |
| Light color (designation)                    | Cool White    |
| Color rendering index Ra                     | $\geq 80$     |
| Standard deviation of color matching         | $\leq 5$ sdcn |
| Low flicker                                  | Yes           |
| Flickering metric (Pst LM)                   | $\leq 1$      |
| Stroboscope effect metric (SVM)              | $\leq 0.4$    |
| Photobiological safety group acc. to EN62778 | RG0           |
| Beam angle                                   | 120 °         |
| UGR                                          | $\leq 25.4$   |



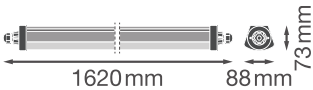
DP FLEX DA 1500 P 42W ML 840 IP66



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1620.00 mm |
| Width          | 88.00 mm   |
| Height         | 73.00 mm   |
| Product weight | 1560.00 g  |



DP FLEX DA/EL

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Gray               |
| Housing color                              | Gray               |
| RAL Color (most similar)                   | RAL 7045           |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Ambient temperature range              | -20...+50 °C                                               |
| Temperature range at storage           | -40...+80 °C                                               |
| Type of connection                     | Screwless terminal, 5-Pole                                 |
| Type of protection                     | IP66                                                       |
| Protection class IK (shock resistance) | IK08                                                       |
| Dimmable                               | Yes                                                        |
| Type of dimming                        | DALI2                                                      |
| Dimming range                          | 1...100 %                                                  |
| IoT ready                              | Support of DALI data type PART 251, 252, 253 <sup>1)</sup> |
| Mounting type                          | Suspended/Surface                                          |
| Mounting location                      | Ceiling                                                    |
| Application environment                | Indoor                                                     |
| With light source                      | Yes                                                        |
| Replaceable light source               | Yes                                                        |

<sup>1)</sup> Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

### 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  | 61000 h                |
| Number of switching cycles | 100000                 |

<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              | 75...400 mA |
| ECG - Output ripple current | < 2 %       |

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

### Certificates & Standards

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / UKCA / EAC |
| Luminaire with limited surface temperature, "D sign" | Yes                                   |
| Ball shot safe                                       | No                                    |
| Replaceable light source (EPREL)                     | By the end consumer                   |

### Additional product data

|                |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Product remark | When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime / Available from September 2025 |
| Added function | EVERLOOP                                                                                                                                        |

### EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)
- EVERLOOP luminaire: upgrades and replacements available

### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | DP FLEX DA IP66 G11242193          |
|  | Legal information                      | Safety Insert G11201420            |
|  | Legal information                      | Legal Insert G11231526             |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |

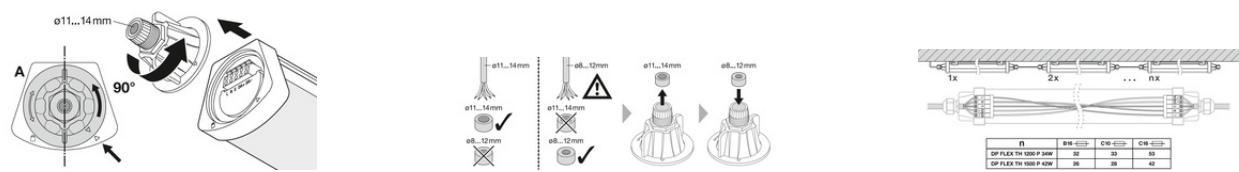
| Documents and certificates                                                         |                                     | Document name                               |
|------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------|
|    | Legal information                   | LSI Insert G11244206 DP FLEX TH IP66        |
|    | Declarations of conformity          | DP FLEX DA P IP66                           |
|    | Declarations of conformity UKCA     | DP FLEX DA P IP66                           |
|    | Certificates                        | ENEC Certificate                            |
|    | EU Data Act                         | DALI LED Driver and Luminaires              |
| Photometric and lighting design files                                              |                                     | Document name                               |
|    | IES file (IES)                      | DP FLEX DA 1500 P 42W ML 840 IP66           |
|    | LDT file (Eulumdat)                 | DP FLEX DA 1500 P 42W ML 840 IP66           |
|   | UGR file (UGR table)                | DP FLEX DA 1500 P 42W ML 840 IP66           |
|  | Light distribution curve type cone  | DP FLEX DA 1500 P 42W ML 840 IP66           |
|  | Light distribution curve type polar | DP FLEX DA 1500 P 42W ML 840 IP66           |
| Tender texts                                                                       |                                     | Document name                               |
|  | Tender documents                    | DAMP PROOF FLEX DALI 1500 P 42W 840 IP66-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854637742 | Folding box<br>1             | 1,328 mm x 95 mm x 78 mm             | 1792.00 g    | 9.84 dm <sup>3</sup>  |
| 4099854637759 | Shipping box<br>6            | 1,650 mm x 248 mm x 215 mm           | 12320.00 g   | 87.98 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.