

PRODUCT DATASHEET

DP FLEX EL 1200 P 34W ML 840 IP66

DAMP PROOF FLEX EMERGENCY | Flexible damp-proof luminaires with integrated emergency lighting function



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Industrial and storage facilities
- Workshops, assembly lines
- Passages, underpasses
- Parking garages
- Underground parking



Product benefits

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- Uniform light distribution in normal operation

Product features

- High luminous efficacy: up to 165 lm/W
- Luminaire suitable for normal lighting and emergency lighting
- Suitable for emergency central battery installations acc. to EN 60598-2-22
- Self-contained luminaires
- Luminous flux in emergency operation mode: 500 lm
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)



- Battery technology: LiFePO4
- Protection rating: IP66
- Impact resistance: IK08

TECHNICAL DATA

Electrical data

| | |
|---|-------------------------------|
| Nominal wattage | 34 W / 31 W / 26 W / 20 W |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 158mA / 145mA / 126mA / 97 mA |
| Inrush current | 20 A |
| Inrush current time T_{h50} | 187 μ s |
| Max. number of luminaires per miniature circuit breaker B16 | 26 |
| Max. number of luminaires per miniature circuit breaker C10 | 28 |
| Max. number of luminaires per miniature circuit breaker C16 | 42 |
| Power factor λ | > 0.90 |
| Total harmonic distortion | \leq 25 % |
| Protection class | II |
| Surge capability (L-N) | 1000 V |
| Operating mode | Integrated LED driver |

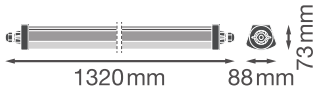
Photometrical data

| | |
|--|---------------------------------------|
| Luminous flux | 5600 lm / 5100 lm / 4300 lm / 3100 lm |
| Luminous efficacy | 165 lm/W / 155 lm/W |
| Color temperature | 4000 K |
| Light color (designation) | Cool White |
| Color rendering index Ra | \geq 80 |
| Standard deviation of color matching | \leq 5 sdc _m |
| Low flicker | Yes |
| Flickering metric (Pst LM) | < 1 |
| Stroboscope effect metric (SVM) | < 0.4 |
| Photobiological safety group acc. to EN62778 | RG0 |
| Beam angle | 120 ° |
| UGR | < 25.5 |

Dimensions & Weight

| | |
|--------|------------|
| Length | 1320.00 mm |
| Width | 88.00 mm |
| Height | 73.00 mm |

| | |
|----------------|-----------|
| Product weight | 1585.00 g |
|----------------|-----------|



DP FLEX DA/EL

Materials & Colors

| | |
|--|--------------------|
| Product color | Gray |
| Housing color | Gray |
| 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 | +5...+35 °C |
| Temperature range at storage | +5...+35 °C |
| Type of connection | Screwless terminal, 5-Pole |
| Type of protection | IP66 |
| Protection class IK (shock resistance) | IK08 |
| Dimmable | No |
| Mounting type | Suspended/Surface |
| Mounting location | Ceiling |
| Application environment | Indoor |
| With light source | Yes |
| Replaceable light source | Yes |

Lifespan

| | |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C | 100000 h ¹⁾ |
| Lifespan L80/B10 at 25 °C | 100000 h ¹⁾ |
| Lifespan L80/B50 at 25 °C | 100000 h |
| Lifespan L90/B10 at 25 °C | 83000 h |
| Number of switching cycles | 100000 |

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 | 225/125 mA |
| ECG - Output ripple current | 5 % |

BATTERY

| | |
|-----------------------------|----------|
| Type of Battery | LiFePO4 |
| Nominal voltage of battery | 3.2 V |
| Nominal capacity of battery | 6000 mAh |
| Battery charging time | 24 h |

Emergency lighting

| | |
|---|---|
| Type of Emergency Lighting (EL) | EL unit (battery and controller) for decentral operation included |
| Area of emergency application | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation | Maintained / Non-maintained |
| Type of emergency operation test | Automatic |
| Wattage in emergency operation mode | 3.2 W |
| Luminous flux in emergency operation mode | 500 lm |
| Battery life in emergency operation mode | 3 h |

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) | Only by an expert |

Additional product data

| | |
|----------------|------------------------------|
| Product remark | Available from December 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 | User Instruction G11254811 DAMP PROOF FLEX EL |
|  | Legal information | Informationstext 18 Abs 4 ElektroG |
|  | Legal information | Legal Insert DP HE EL |
|  | Legal information | Safety Insert G11201420 |
|  | Legal information | Light source insert G11255045 DAMP PROOF FLEX EL |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | DP FLEX EL 1200 P 34W ML 840 IP66 LEDV |
|  | LDT file (Eulumdat) | DP FLEX EL 1200 P 34W ML 840 IP66 LEDV |
| CAD/BIM files | | Document name |
|  | CAD STEP 3D | DP FLEX EL 1200 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854717819 | Folding box 1 | 1,328 mm x 95 mm x 78 mm | 1817.00 g | 9.84 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854717826 | Shipping box 6 | 1,350 mm x 248 mm x 215 mm | 12041.00 g | 71.98 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.

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.