PRODUCT DATASHEET
DP FLEX EL 1500 P 42W 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	42 W / 38 W / 31 W / 23 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	190mA / 175mA / 144mA / 110 mA
Inrush current	20 A
Inrush current time T_{h50}	212 µs
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	≤ 25 %
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	Integrated LED driver

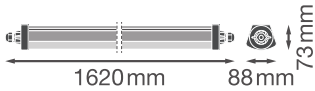## Photometrical data

Luminous flux	6900 lm / 6300 lm / 5000 lm / 3700 lm
Luminous efficacy	164 lm/W / 166 lm/W / 161 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
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	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
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	275/150 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
PDF	User instruction / safety instructions	User Instruction G11254811 DAMP PROOF FLEX EL
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert DP HE EL
PDF	Legal information	Safety Insert G11201420
PDF	Legal information	Light source insert G11255045 DAMP PROOF FLEX EL

	Photometric and lighting design files	Document name
IES	IES file (IES)	DP FLEX EL 1500 P 42W ML 840 IP66 LEDV
LDT	LDT file (Eulumdat)	DP FLEX EL 1500 P 42W ML 840 IP66 LEDV

	CAD/BIM files	Document name
STEP	CAD STEP 3D	DP FLEX EL 1500

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854717871	Folding box 1	1,328 mm x 95 mm x 78 mm	1792.00 g	9.84 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854717888	Shipping box 6	1,650 mm x 248 mm x 215 mm	12319.00 g	87.98 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

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