

PRODUCT DATASHEET

DP FLEX DA 1500 P 42W 830 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 5x1.5mm² already installed
- Beam angle: 120°
- Protection rating: IP66
- Impact resistance: IK08

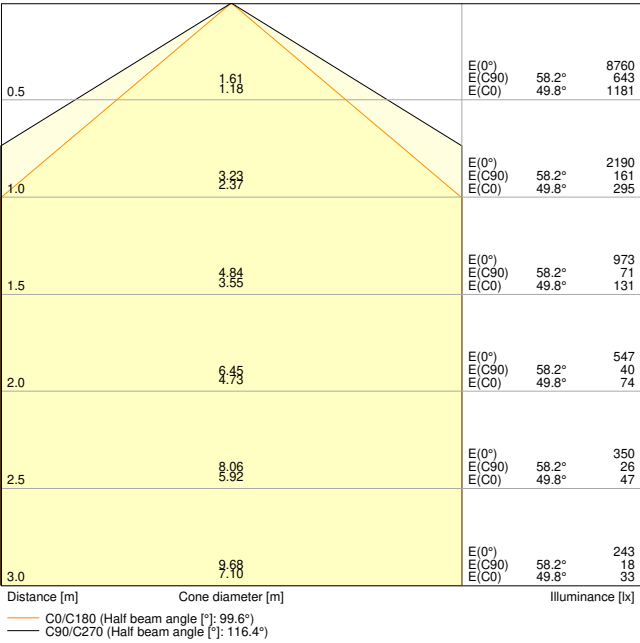
TECHNICAL DATA

Electrical data

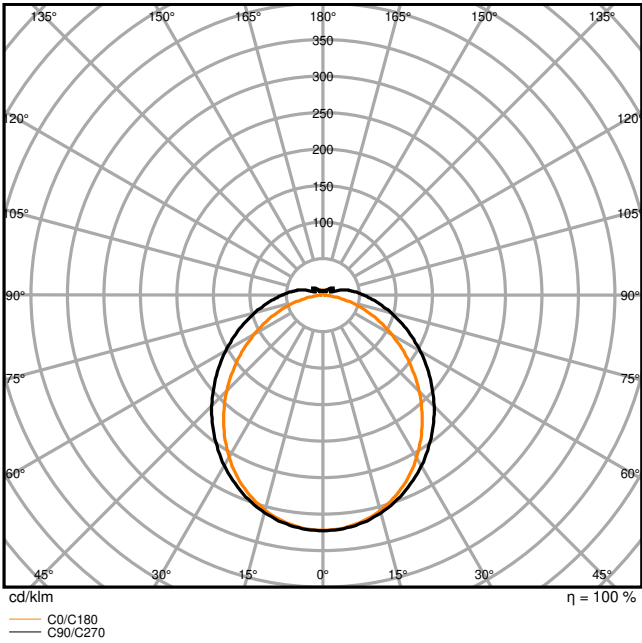
Nominal wattage	42.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	185.000 mA
Inrush current	3.6 A
Inrush current time T_{h50}	1800 μ s
Max. number of luminaires per miniature circuit breaker B16	24
Max. number of luminaires per miniature circuit breaker C10	25
Max. number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

Photometrical data

Luminous flux	6800 lm
Luminous efficacy	162 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 5 sdcn
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	≤ 25.4



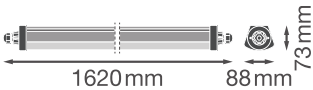
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Dimensions & Weight

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 ¹⁾
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes
Replaceable light source	Yes

¹⁾ 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 ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	61000 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	75...400 mA
ECG - Output ripple current	< 2 %

Emergency lighting

Type of emergency operation test	None
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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
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 830 IP66
	LDT file (Eulumdat)	DP FLEX DA 1500 P 42W ML 830 IP66
	UGR file (UGR table)	DP FLEX DA 1500 P 42W ML 830 IP66
	Light distribution curve type cone	DP FLEX DA 1500 P 42W ML 830 IP66
	Light distribution curve type polar	DP FLEX DA 1500 P 42W ML 830 IP66
Tender texts		Document name
	Tender documents	DAMP PROOF FLEX DALI 1500 P 42W 830 IP66-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854637711	Folding box 1	1,328 mm x 95 mm x 78 mm	1792.00 g	9.84 dm ³
4099854637728	Shipping box 6	1,650 mm x 248 mm x 215 mm	12320.00 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.

ADDITIONAL CATALOG INFORMATION



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.