PRODUCT DATASHEET
DP FLEX TH 1500 P 42W ML 840 IP66

DAMP PROOF FLEX THROUGHWIRING | Flexible damp-proof luminaires with through-wiring and Multi Lumen function

Areas of application

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

Product benefits

- 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 ≤ 5 %

Product features

- High luminous efficacy: up to 165 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 25 °C)
- Housing and diffuser material: polycarbonate (PC)
- Multi Lumen function: power steps selectable

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- Through-wiring 3x1.5mm^2 already installed
- Beam angle: 120°
- Protection rating: IP66
- Impact resistance: IK08

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TECHNICAL DATA

Electrical data

Nominal wattage	42 W / 38 W / 31 W / 23 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	187/169/138/104 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	≤ 23 %
Protection class	II
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 °

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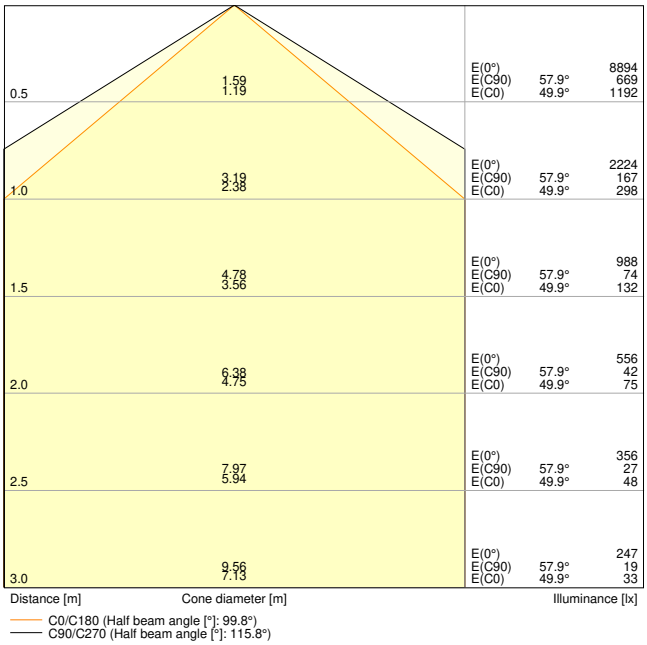

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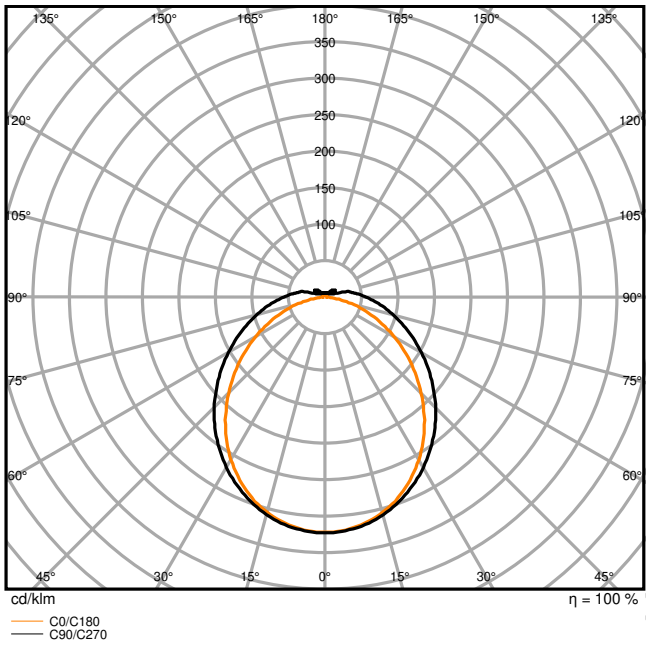

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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
42 W	4000 K	6900 lm	164 lm/W
38 W	4000 K	6300 lm	166 lm/W
31 W	4000 K	5000 lm	161 lm/W
23 W	4000 K	3700 lm	161 lm/W

Dimensions & Weight

Length	1590.00 mm
Width	88.00 mm
Height	73.00 mm
Product weight	1450.00 g

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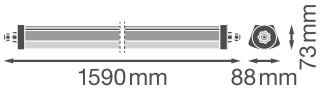

DP FLEX TH 1500 P 42W ML

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	-30…+50 °C
Temperature range at storage	-40…+80 °C
Type of connection	Screwless terminal, 3-Pole (N, E, L)
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)]

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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	275/150 mA
ECG - Output ripple current	5 %

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

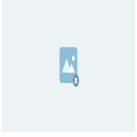
Additional product data

Product remark	When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime
Added function	EVERLOOP / MULTI SELECT

EQUIPMENT / ACCESSORIES

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

Upgrade and replacement components

Components Light Source		
Product image	**Product name**	**EAN**
	LISOEV 1450X35 67 42W 840 DP FLEX	4099854522222

Components Driver

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Product image	Product name	EAN
	DR DS-P -40/220-240/475 L NSV	4099854258497

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	DP FLEX TH
PDF	Legal information	Safety Insert G11201420
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LSI DP FLEX TH IP66
PDF	Declarations of conformity	DP FLEX TH
PDF	Declarations of conformity UKCA	DP FLEX TH
PDF	Certificates	DAMP PROOF FLEX TH

	Photometric and lighting design files	Document name
IES	IES file (IES)	DP FLEX TH 1500 P 42W ML 840 IP66
LDT	LDT file (Eulumdat)	DP FLEX TH 1500 P 42W ML 840 IP66
ULD	ULD file (DIALux)	DP FLEX TH 1500 P 42W ML 840 IP66
ROLF	ROLF file (RELUX)	DP FLEX TH 1500 P 42W ML 840 IP66

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	DP FLEX TH 1500 P 42W ML 840 IP66
	Light distribution curve type cone	DP FLEX TH 1500 P 42W ML 840 IP66
	Light distribution curve type polar	DP FLEX TH 1500 P 42W ML 840 IP66

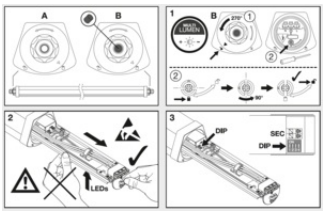
	CAD/BIM files	Document name
	BIM Revit 3D	Damp Proof Flex
	CAD STEP 3D	DP FLEX TH 1500

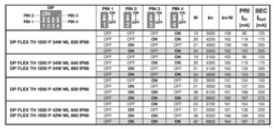
LOGISTICAL DATA

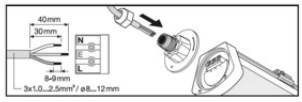
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854440663	Folding box 1	1,328 mm x 95 mm x 78 mm	1682.00 g	9.84 dm^3
4099854440670	Shipping box 6	1,650 mm x 248 mm x 215 mm	11660.00 g	87.98 dm^3

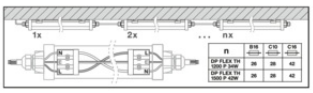
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









References / Links

– For Guarantee see www.ledvance.com/guarantee

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