

PRODUCT DATASHEET

DP FLEX TH 1200 P 34W 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



- Through-wiring 3x1.5mm² already installed
- Beam angle: 120°
- Protection rating: IP66
- Impact resistance: IK08

TECHNICAL DATA

Electrical data

Nominal wattage	34 W / 31 W / 26 W / 19 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	153/128/119/90 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	≤ 23 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

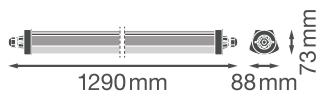
Luminous flux	5600 lm / 5100 lm / 4300 lm / 3100 lm
Luminous efficacy	165 lm/W / 163 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 5 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °
UGR	≤ 25.4



Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
34 W	4000 K	5600 lm	165 lm/W
31 W	4000 K	5100 lm	165 lm/W
26 W	4000 K	4300 lm	165 lm/W
19 W	4000 K	3100 lm	163 lm/W

Dimensions & Weight

Length	1290.00 mm
Width	88.00 mm
Height	73.00 mm
Product weight	1225.00 g



DP FLEX TH

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

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

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 1150X35 54 34W 840 DP FLEX	4099854522161
Components Driver		

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
	User instruction / safety instructions	DP FLEX TH
	Legal information	Safety Insert G11201420
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	LSI DP FLEX TH IP66
	Legal information	Legal Insert DP HE
	Declarations of conformity	DP FLEX TH
	Declarations of conformity UKCA	DP FLEX TH
	Certificates	DAMP PROOF FLEX TH
	EPD	EPD EN DAMP PROOF FLEX
Photometric and lighting design files		Document name
	IES file (IES)	DP FLEX TH 1200 P 34W ML 840 IP66
	LDT file (Eulumdat)	DP FLEX TH 1200 P 34W ML 840 IP66

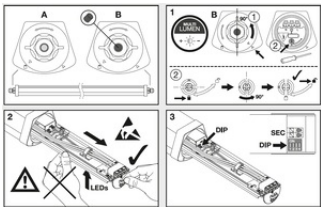
Photometric and lighting design files		Document name
	ULD file (DIALux)	DP FLEX TH 1200 P 34W ML 840 IP66
	ROLF file (RELUX)	DP FLEX TH 1200 P 34W ML 840 IP66
	UGR file (UGR table)	DP FLEX TH 1200 P 34W ML 840 IP66
	Light distribution curve type cone	DP FLEX TH 1200 P 34W ML 840 IP66
	Light distribution curve type polar	DP FLEX TH 1200 P 34W ML 840 IP66
CAD/BIM files		Document name
	BIM Revit 3D	Damp Proof Flex
	CAD STEP 3D	DP FLEX TH 1200
Tender texts		Document name
	Tender documents	DAMP PROOF FLEX THROUGHWIRING 1200 P 34W ML 840 IP66-en

LOGISTICAL DATA

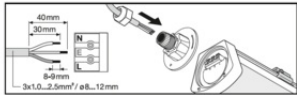
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854440601	Folding box 1	1,328 mm x 95 mm x 78 mm	1457.00 g	9.84 dm³
4099854440618	Shipping box 6	1,350 mm x 248 mm x 215 mm	9881.00 g	71.98 dm³

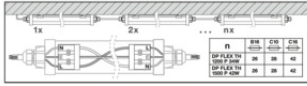
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



Model	Power	Beam angle	Mounting	Dimensions	Weight	Volume	Material	Finish	Color	Notes
DP FLEX TH 1200 P 34W ML 840 IP66	34W	120°	Surface	1200x120x120mm	1457g	9.84dm³	Aluminum	Matte	White	
DP FLEX TH 1200 P 34W ML 840 IP66	34W	120°	Surface	1200x120x120mm	1457g	9.84dm³	Aluminum	Matte	Black	
DP FLEX TH 1200 P 34W ML 840 IP66	34W	120°	Surface	1200x120x120mm	1457g	9.84dm³	Aluminum	Matte	Grey	
DP FLEX TH 1200 P 34W ML 840 IP66	34W	120°	Surface	1200x120x120mm	1457g	9.84dm³	Aluminum	Matte	Blue	
DP FLEX TH 1200 P 34W ML 840 IP66	34W	120°	Surface	1200x120x120mm	1457g	9.84dm³	Aluminum	Matte	Red	





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.