PRODUCT DATASHEET
TRUSYS FLEX P 50W 840 W OP WT

TruSys® FLEX WIDE OPAL | Luminaire inserts with wide light distribution and opal lens, up to 167 lm/W

Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Industry halls, high rack warehouse, hardware stores
- Discounters, supermarkets

Product benefits

- Opal cover above LEDs for homogeneous illumination and minimized glare
- Easy installation, no tools required for connection
- Energy saving and cost-effective
- Flexible application due to a range of different lumen packages and beam angles
- 5 years guarantee

Product features

- Beam angle wide: 90° with opal lens
- Click into place solution with smart click buttons
- Luminous efficacy: up to 167 lm/W
- Fixed luminare taps
- Luminaire versions available with on-off or IoT-ready DALI-2 driver
- Steel-sheet housing
- Lens material: PMMA
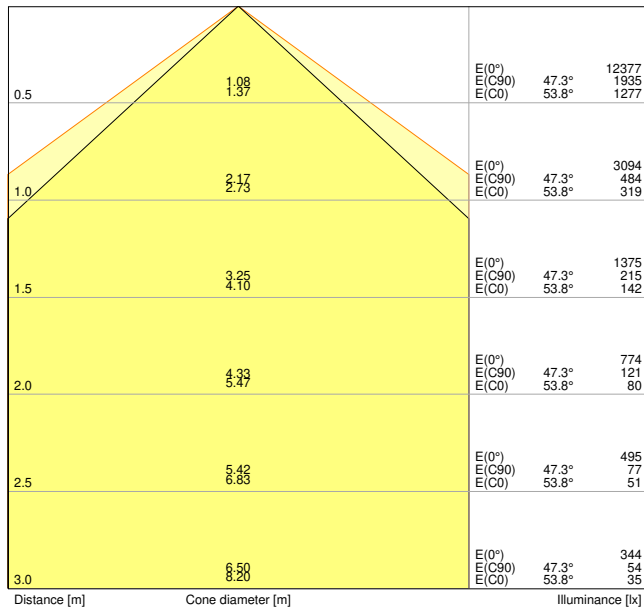- Type of protection: IP40

TECHNICAL DATA

Electrical data

Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	230.000 mA
Inrush current	32 A
Inrush current time T_{h50}	182 µs
Max. no. of lum. on circuit break. B16 A	13
Max. no. of lum. on circuit break. C10 A	10
Max. no. of lum. on circuit break. C16 A	17
Power factor λ	≥ 0.95
Total harmonic distortion	≤ 15 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

|	
Luminous flux	8300 lm
Luminous efficacy	167 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	90 °

LDC typ cone

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.08 / 1.37	E(0°) E(C90) 47.3° E(C0) 53.8°	12377 1935 1277
1.0	2.17 / 2.73	E(0°) E(C90) 47.3° E(C0) 53.8°	3094 484 319
1.5	3.25 / 4.10	E(0°) E(C90) 47.3° E(C0) 53.8°	1375 215 142
2.0	4.33 / 5.47	E(0°) E(C90) 47.3° E(C0) 53.8°	774 121 80
2.5	5.42 / 6.83	E(0°) E(C90) 47.3° E(C0) 53.8°	495 77 51
3.0	6.50 / 8.20	E(0°) E(C90) 47.3° E(C0) 53.8°	344 54 35

— C0/C180 (Half beam angle [°]: 107.6°)
— C90/C270 (Half beam angle [°]: 94.6°)

LDC typ polar

cd/klm η = 100 %

— C0/C180
— C90/C270
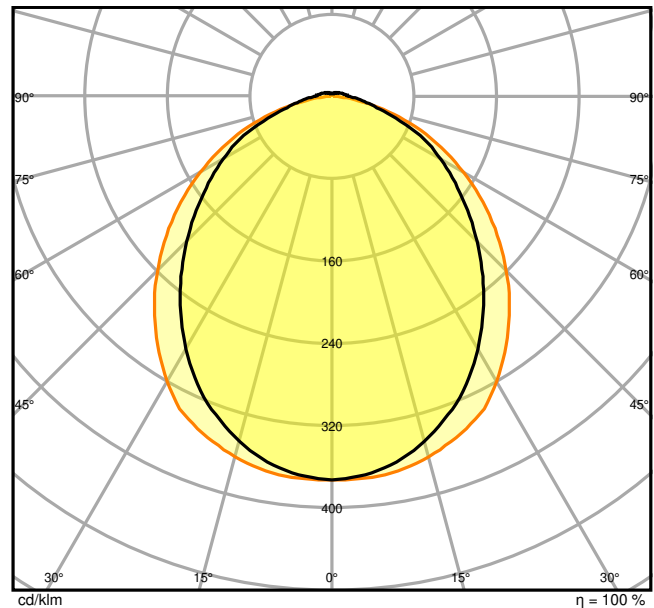
Dimensions & Weight

Length	1500.00 mm
Width	77.70 mm
Height	39.40 mm
Product weight	1700.00 g

1500mm   77.7mm   39.4mm
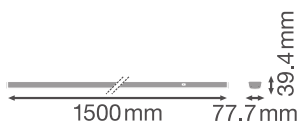
Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-25...+40 °C
Temperature range at storage	-40...+80 °C
Type of connection	Plug-In connection
Type of protection	IP40
Protection class IK (shock resistance)	IK04
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Mounting rail
Application environment	Indoor
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h
Lifespan L80/B10 at 25 °C	76000 h
Lifespan L90/B10 at 25 °C	38000 h
Number of switching cycles	100000

Control gear

Output current	620 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

Standards	CE / CB / UKCA / ENEC / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

Additional product data

Product remark	Available from September 2022

EQUIPMENT / ACCESSORIES

− Mounting rail with fixed integrated 5- and 8-pole cable

DOWNLOAD DATA

|	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M3D file (3D Model)
	UGR file (UGR table)
PDF	Packaging insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075771833	Shipping box 4	1,547 mm x 218 mm x 231 mm	8293.00 g	77.90 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
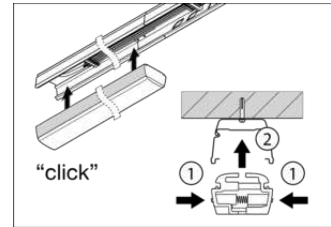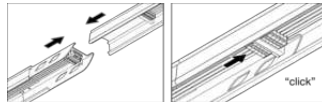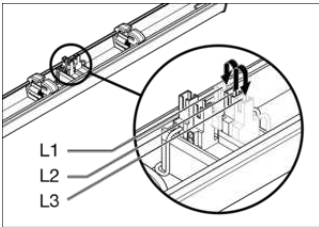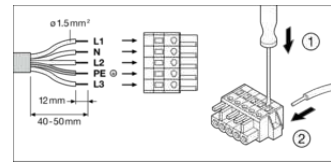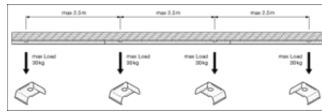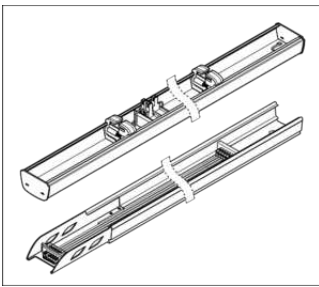
References / Links

– For Guarantee see www.ledvance.com/guarantee

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