

# PRODUCT DATASHEET

## TRUSYS FLEX P 50W 840 VW CL WT

TruSys® FLEX VERY WIDE | Luminaire inserts with very wide light distribution, up to 175 lm/W



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### Areas of application

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

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### Product benefits

- Very wide light distribution for area lighting
- 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

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### Product features

- Beam angle very wide: 120°
- Click into place solution with smart click buttons
- Luminous efficacy: up to 175 lm/W
- Fixed luminaire taps
- Luminaire versions available with on-off or IoT-ready DALI-2 driver
- Steel-sheet housing
- Lens material: PMMA
- Type of protection: IP40



- DALI versions suitable as well for emergency lighting with centralized battery system acc. to IEC 60598-2-22

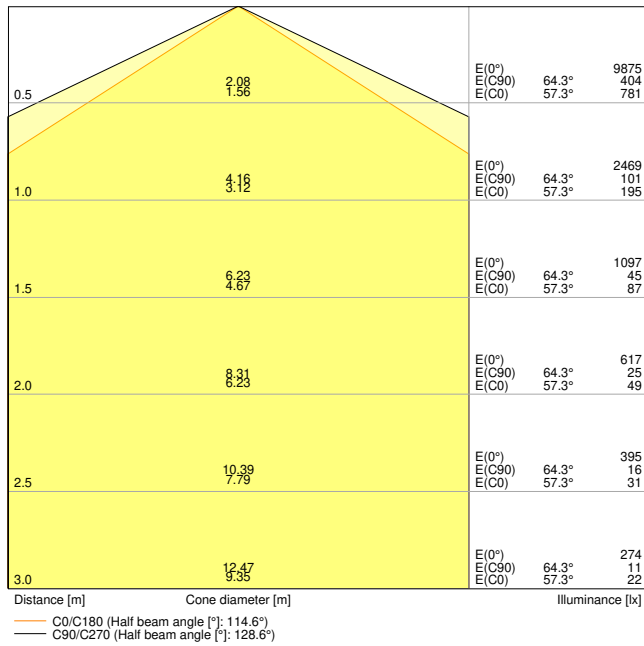
## TECHNICAL DATA

### Electrical data

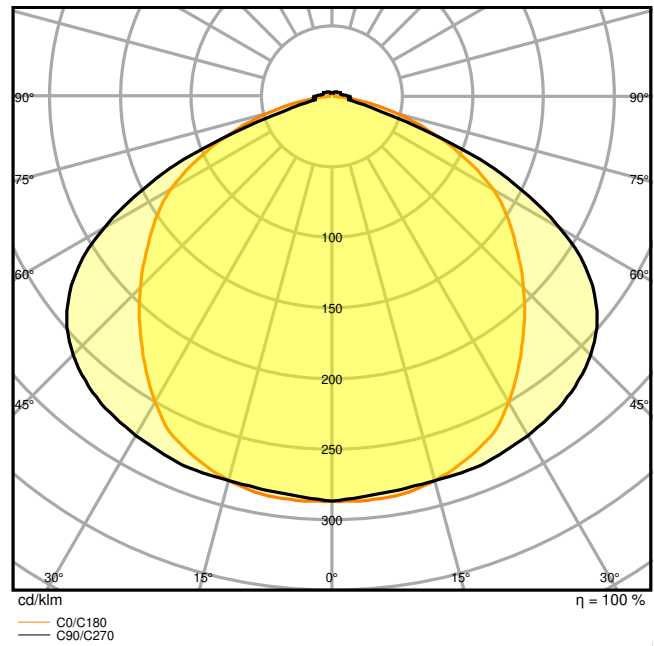
Nominal wattage	50.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	160.000 mA
Inrush current	32 A
Inrush current time $T_{h50}$	182 $\mu$ s
Max. no. of lum. on circuit break. B16 A	13
Max. no. of lum. on circuit break. C10 A	10
Max. no. of lum. on circuit break. C16 A	17
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	$\leq 15 \%$
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	8600 lm
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	3 sdc
Low flicker	Yes
Flickering metric (Pst LM)	$\leq 1$
Stroboscope effect metric (SVM)	$\leq 0.4$
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 °



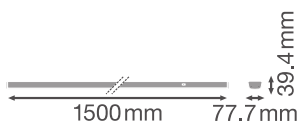
LDC typ cone



LDC typ polar

### Dimensions & Weight

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



### 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 <sup>1)</sup>
Lifespan L80/B10 at 25 °C	76000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	38000 h
Number of switching cycles	100000

<sup>1)</sup> 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	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
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**EQUIPMENT / ACCESSORIES**




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

**DOWNLOAD DATA**



**Documents and certificates**

	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Certificates
	Declarations Of Conformity UKCA

**Photometric and lighting design files**

	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

**CAD/BIM files**

	BIM_Revit_3D
	CAD_STEP_3D

Tender texts



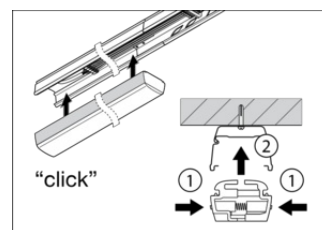
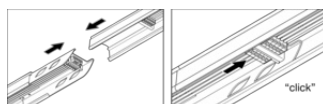
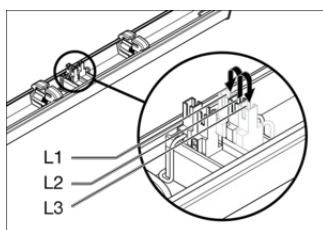
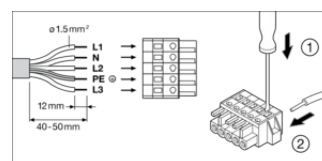
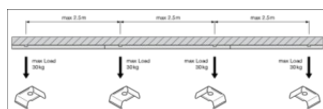
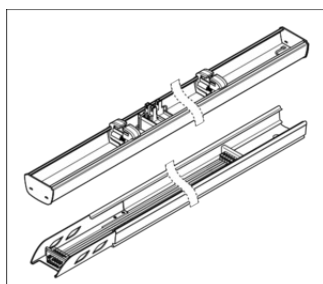
Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075771444	Folding box 1	108 mm x 1,534 mm x 102 mm	1875.00 g	16.90 dm <sup>3</sup>
4058075771451	Shipping box 4	1,547 mm x 218 mm x 231 mm	8293.00 g	77.90 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.