

# PRODUCT DATASHEET

## TRUSYS FLEX P 70W 840 VW CL WT

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



### Areas of application

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

### 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

### 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



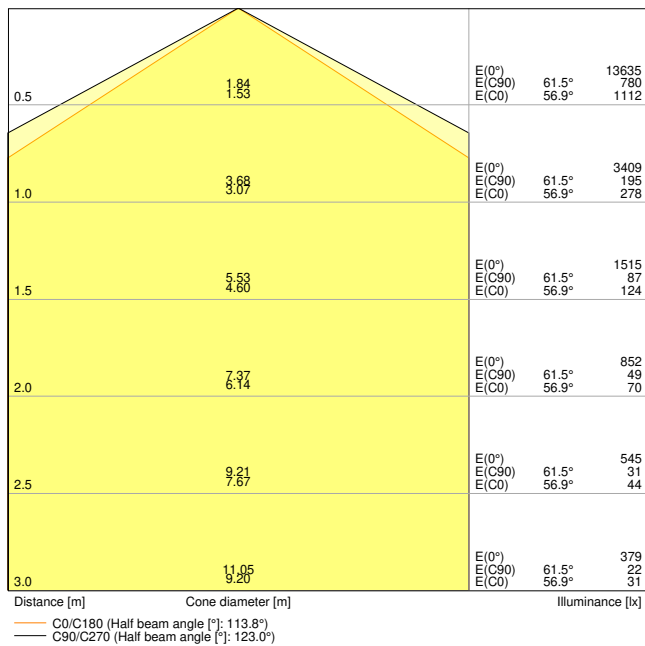
## TECHNICAL DATA

### Electrical data

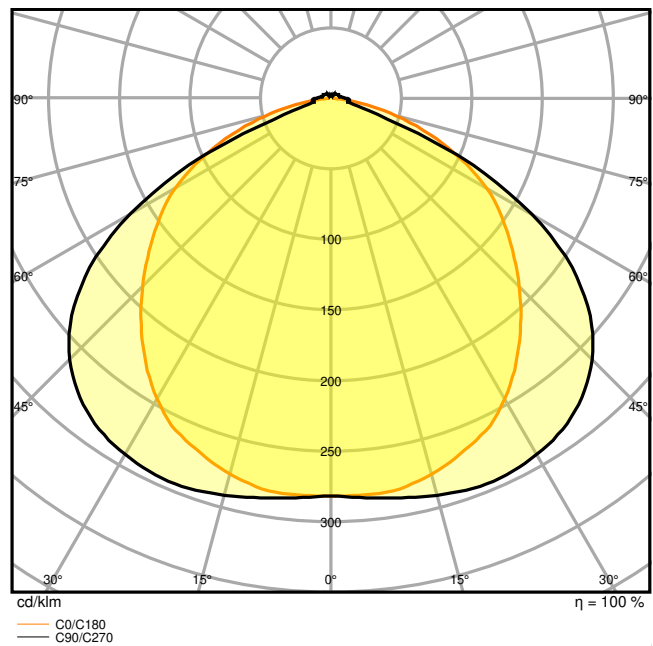
Nominal wattage	70.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	230.000 mA
Inrush current	38.8 A
Inrush current time $T_{h50}$	230 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	8
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor $\lambda$	$\geq 0.95$
Total harmonic distortion	$\leq 15\%$
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	12100 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 <sub>m</sub>
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 °



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Dimensions & Weight

Length	1500.00 mm
Width	77.70 mm
Height	39.40 mm
Product weight	1740.00 g



TRUSYS FLEX luminaire - clear

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	1000 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

## EQUIPMENT / ACCESSORIES

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

## DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	TRUSYS FLEX P RAIL
	User Instruction	TRUSYS FLEX ON OFF 840
	Addon Technical Information	Light Source Insert Trusys Flex On Off
	Legal information	Legal insert TRUSYS FLEX ON OFF
	Declarations of conformity	CE Declaration of Conformity TRUSYS FLEX
	Declarations Of Conformity UKCA	UKCA Declaration of Conformity TRUSYS FLEX
	Declarations Of Conformity UKCA	TRUSYS FLEX
	Certificates	ENEC TRUSYS FLEX P ON OFF
Photometric and lighting design files		Document name
	IES file (IES)	TRUSYS FLEX P 70W 840 VW CL WT
	LDT file (Eulumdat)	TRUSYS FLEX P 70W 840 VW CL WT
	ULD file (DIALux)	TRUSYS FLEX P 70W 840
	ROLF file (RELUX)	TRUSYS FLEX P 70W 840 VW
	UGR file (UGR table)	TRUSYS FLEX P 70W 840 VW CL WT
	LDC typ cone	TRUSYS FLEX P 70W 840 VW CL WT

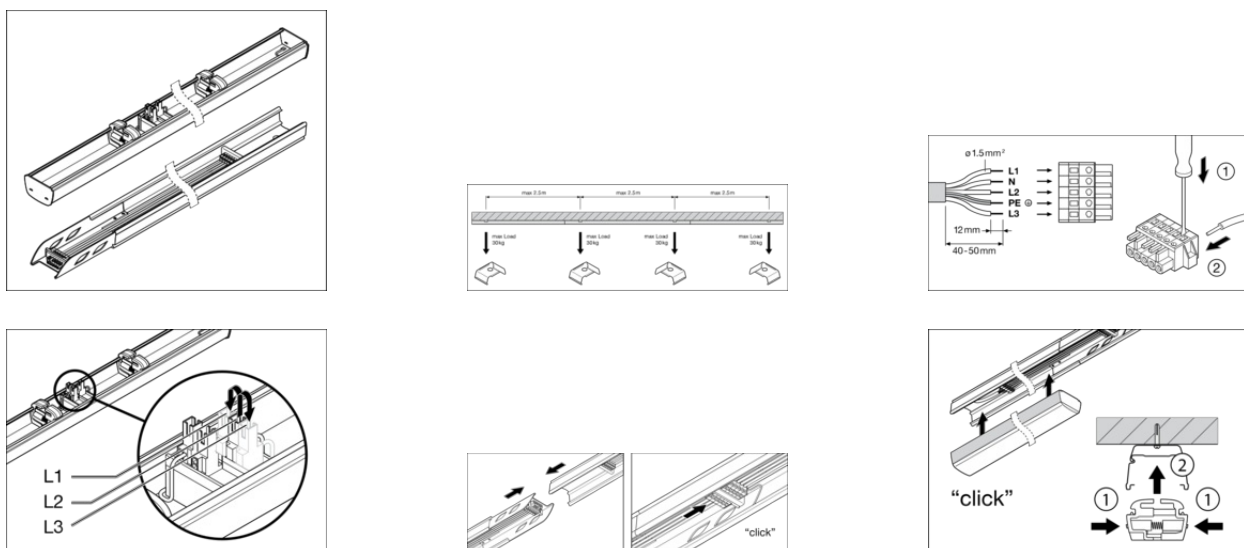
Photometric and lighting design files		Document name
	LDC typ polar	TRUSYS FLEX P 70W 840 VV CL WT
CAD/BIM files		Document name
	BIM_Revit_3D	TRUSYS FLEX
	CAD_STEP_3D	TruSys FLEX
Tender texts		Document name
	Tender documents	TruSys FLEX VERY WIDE 70W 840 VV CL WT-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075771840	Folding box 1	108 mm x 1,534 mm x 102 mm	1915.00 g	16.90 dm <sup>3</sup>
4058075771857	Shipping box 4	1,547 mm x 218 mm x 231 mm	8453.00 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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## DISCLAIMER

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