PRODUCT DATASHEET
TRUSYS FLEX P 50W 840 W CL WT

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



PERFOR-
MANCE
CLASS

Areas of application

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

Product benefits

- Homogenous light distribution
- Easy installation, no tools required for connection
- Flexible application due to a range of different lumen packages and beam angles
- 5 years guarantee

Product features

- Beam angle wide: 90°
- Click into place solution with smart click buttons
- Luminous efficacy: up to 175 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

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

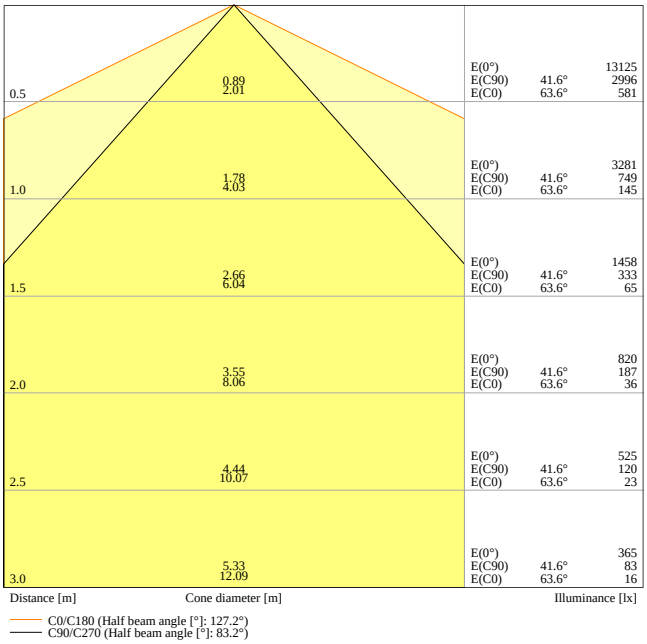
Electrical data

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 µs
Max. number of luminaires per miniature circuit breaker B16	13
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	17
Power factor λ	≥ 0.95
Maximum total harmonic distortion	≤ 15 %
Protection class	I
Operating mode	Integrated LED driver

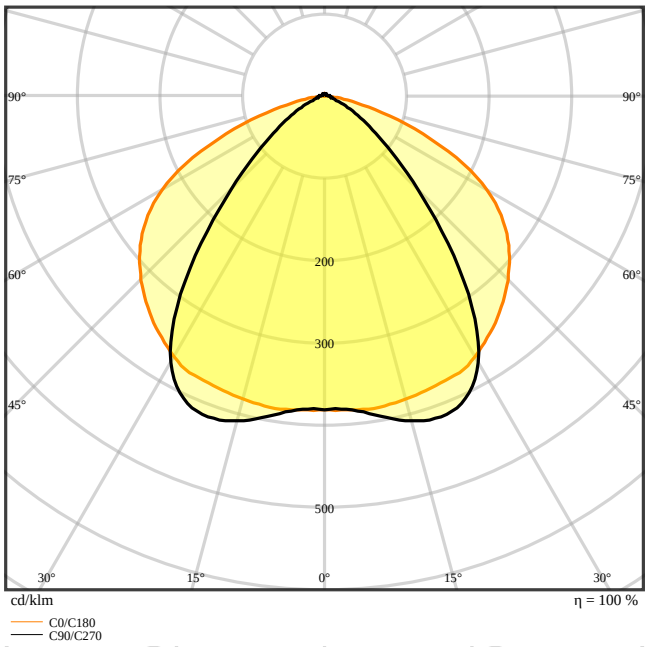
Photometrical data

Luminous flux	8600 lm
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥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 °

© 2026, LEDVANCE GmbH. All rights reserved.



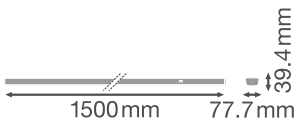
TRUSYS FLEX P 50W 840 W CL WT



TRUSYS FLEX P 50W 840 W CL WT

Dimensions & Weight

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



TRUSYS FLEX luminaire - clear

© 2026, LEDVANCE GmbH. All rights reserved.

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9016
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
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	76000 h [1)]
Lifespan L80/B50 at 25 °C	89000 h
Lifespan L90/B10 at 25 °C	38000 h [1)]
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	620 mA
Output ripple current (100 Hz)	< 5 %

© 2026, LEDVANCE GmbH. All rights reserved.

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None

Certificates & Standards

Standards	CE / CB / UKCA / ENEC / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	TRUSYS FLEX ON OFF 840
PDF	Legal information	Light Source Insert Trusys Flex On Off
PDF	Legal information	Legal insert TRUSYS FLEX ON OFF
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration of Conformity TRUSYS FLEX
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity TRUSYS FLEX
PDF	Declarations of conformity UKCA	TRUSYS FLEX
PDF	Certificates	ENEC TRUSYS FLEX P ON OFF

	Photometric and lighting design files	Document name
IES	IES file (IES)	TRUSYS FLEX P 50W 840 W CL WT
LDT	LDT file (Eulumdat)	TRUSYS FLEX P 50W 840 W CL WT

© 2026, LEDVANCE GmbH. All rights reserved.

	Photometric and lighting design files	Document name
	ULD file (DIALux)	TRUSYS FLEX P 50W 840
	ROLF file (RELUX)	TRUSYS FLEX P 50W 840 W CL WT
	UGR file (UGR table)	TRUSYS FLEX P 50W 840 W CL WT
	Light distribution curve type cone	TRUSYS FLEX P 50W 840 W CL WT
	Light distribution curve type polar	TRUSYS FLEX P 50W 840 W CL WT

	CAD/BIM files	Document name
	BIM Revit 3D	TRUSYS FLEX
	CAD STEP 3D	TruSys FLEX

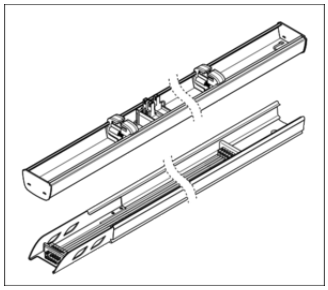
	Tender texts	Document name
	Tender documents	TruSys FLEX WIDE 50W 840 W CL WT-EN

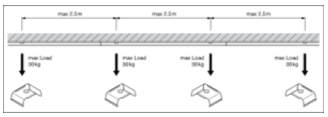
LOGISTICAL DATA

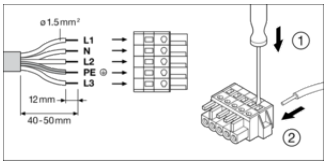
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075771482	Folding box 1	108 mm x 1,534 mm x 102 mm	1875.00 g	16.90 dm^3
4058075771499	Shipping box 4	1,547 mm x 218 mm x 231 mm	8293.00 g	77.90 dm^3

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.

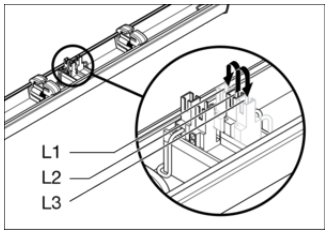
ADDITIONAL CATALOG INFORMATION

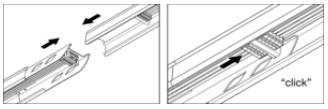


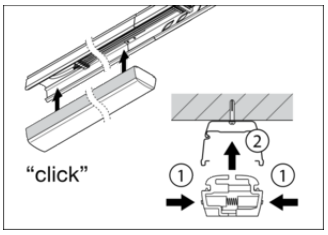




© 2026, LEDVANCE GmbH. All rights reserved.







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.

© 2026, LEDVANCE GmbH. All rights reserved.