

PRODUCT DATASHEET

TRUSYS FLEX P 35W 840 N CL WT

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



PERFOR-
MANCE
CLASS

Areas of application

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

Product benefits

- Directed light distribution for high heights
- 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 narrow: 60°
- 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



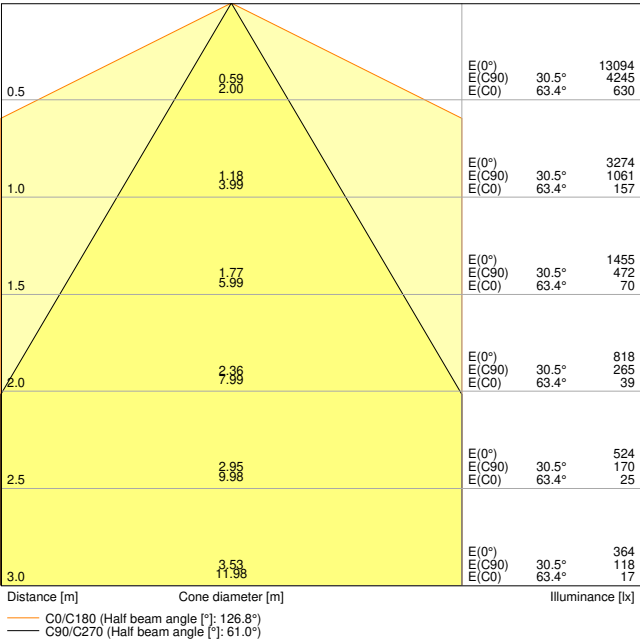
TECHNICAL DATA

Electrical data

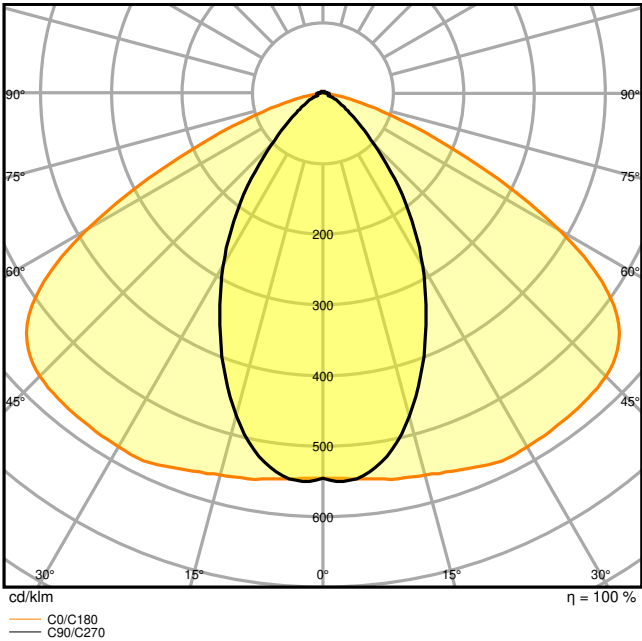
Nominal wattage	35.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	160.000 mA
Inrush current	27.5 A
Inrush current time T_{h50}	148 μ s
Max. number of luminaires per miniature circuit breaker B16	22
Max. number of luminaires per miniature circuit breaker C10	17
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	≥ 0.95
Total harmonic distortion	$\leq 15 \%$
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6000 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 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	60 °



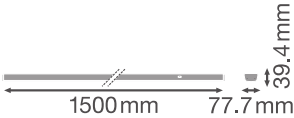
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Dimensions & Weight

Length	1500.00 mm
Width	77.70 mm
Height	39.40 mm
Product weight	1680.00 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
With light source	Yes

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
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	430 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
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
	User instruction / safety instructions	TRUSYS FLEX P RAIL
	User instruction / safety instructions	TRUSYS FLEX ON OFF 840
	Legal information	Light Source Insert Trusys Flex On Off
	Legal information	Legal insert TRUSYS FLEX ON OFF
	Legal information	Informationstext 18 Abs 4 ElektroG
	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 35W 840 N CL WT
	LDT file (Eulumdat)	TRUSYS FLEX P 35W 840 N CL WT
	ULD file (DIALux)	TRUSYS FLEX P 35W 840
	ROLF file (RELUX)	TRUSYS FLEX P 35W 840 N

– 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.