

PRODUCT DATASHEET

TRUSYS FLEX P 70W 840 W CL WT EM

TruSys® FLEX EMERGENCY WIDE | Luminaire inserts with wide light distribution for standard and emergency lighting, up to 175 lm/W



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for recessed luminaires with fluorescent lamps
- Industry halls, high rack warehouse, hardware stores
- Discounters, supermarkets

Product benefits

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- High luminous efficacy in normal operation
- 3 years guarantee
- Homogenous light distribution
- 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

Product features

- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)



- Luminaire suited for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Beam angle wide: 90°
- Click into place solution with smart click buttons
- Fixed luminaire taps
- Steel-sheet housing

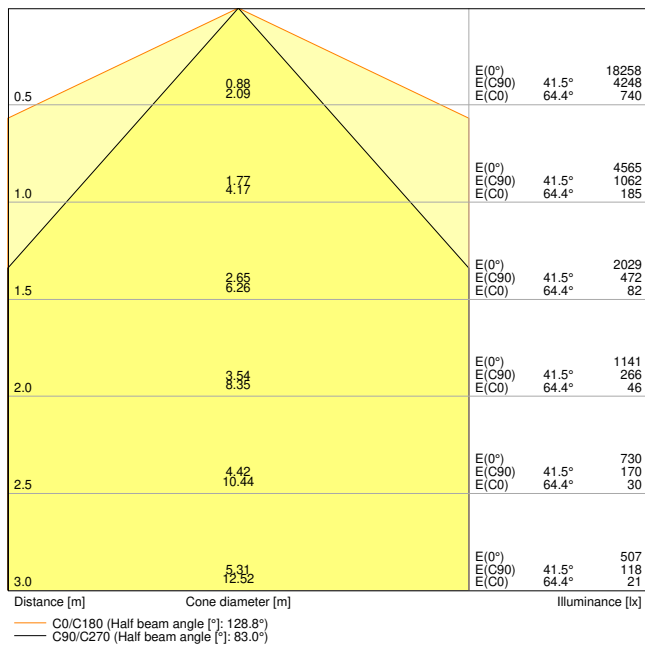
TECHNICAL DATA

Electrical data

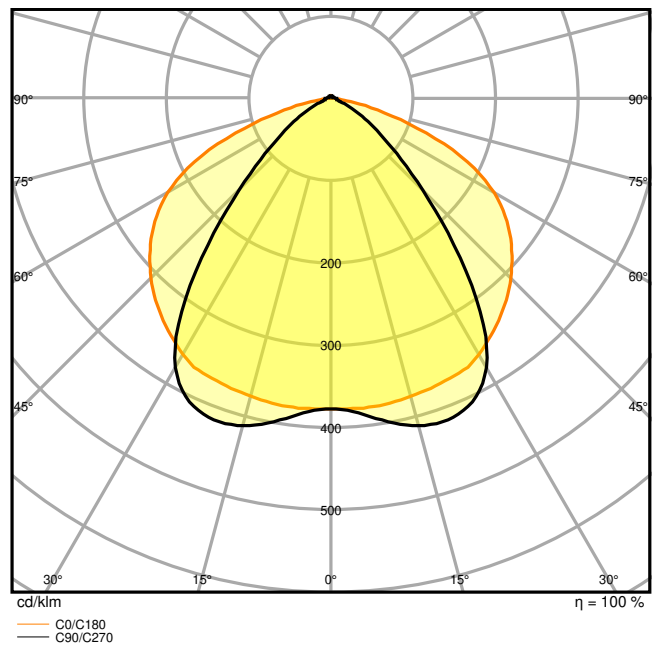
Nominal wattage	70.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	320 mA
Inrush current	38.8 A
Inrush current time T_{h50}	230 μ s
Max. number of luminaires per miniature circuit breaker B16	8
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	≥ 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	≥ 80
Standard deviation of color matching	3 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	90 °



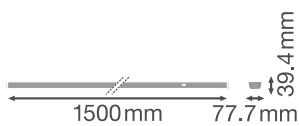
TRUSYS FLEX P 70W 840 W CL WT EM



TRUSYS FLEX P 70W 840 W CL WT EM

Dimensions & Weight

Length	1500.00 mm
Width	77.70 mm
Height	39.40 mm
Product weight	2360.00 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	0...+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	1000 mA
ECG - Output ripple current	< 5 %

BATTERY

Type of Battery	LiFePO4
Battery size [GMS]	Others

Nominal voltage of battery	3.2 V
Nominal capacity of battery	9000 mAh
Battery charging time	24 h

Emergency lighting

Area of emergency application	Anti-panic lighting / Escape route lighting
Type of emergency light operation	Non-maintained / Maintained
Type of emergency operation test	Automatic
Wattage in maintained operation mode	70 W
Wattage in emergency operation mode	4 W
Luminous flux in maintained operation mode	12100 lm
Luminous flux in emergency operation mode	740 lm
Battery life in emergency operation mode	3 h






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 8-pole cable


DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI TRUSYS FLEX P EM
	User instruction / safety instructions	TRUSYS FLEX EMERGENCY 840
	Legal information	Light Source Insert Trusys Flex EM
	Legal information	Legal insert TRUSYS FLEX P EM
	Legal information	Informationstext 18 Abs 4 ElektroG

Documents and certificates		Document name
	Declarations of conformity	CE Declaration Trusys Flex P EM
	Declarations of conformity UKCA	UKCA Declaration Trusys Flex P EM
	Certificates	ENEC TRUSYS FLEX P EM

Photometric and lighting design files		Document name
	IES file (IES)	TRUSYS FLEX P 70W 840 W CL WT EM
	LDT file (Eulumdat)	TRUSYS FLEX P 70W 840 W CL WT EM
	ULD file (DIALux)	TRUSYS FLEX P 70W 840
	ROLF file (RELUX)	TRUSYS FLEX P 70W 840 W
	UGR file (UGR table)	TRUSYS FLEX P 70W 840 W CL WT EM
	Light distribution curve type cone	TRUSYS FLEX P 70W 840 W CL WT EM
	Light distribution curve type polar	TRUSYS FLEX P 70W 840 W CL WT EM

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

Tender texts		Document name
	Tender documents	TruSys FLEX EMERGENCY WIDE 70W 840 W CL WT EM-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075773233	Folding box 1	108 mm x 1,534 mm x 102 mm	2535.00 g	16.90 dm ³
4058075773240	Shipping box 4	1,547 mm x 218 mm x 231 mm	10933.00 g	77.90 dm ³

