

PRODUCT DATASHEET TRUSYS FLEX P 70W 840 VN CL WT EM

TruSys® FLEX EMERGENCY VERY NARROW | Luminaire inserts with very narrow 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 luminaires with compact fluorescent lamps
- Industry halls, high rack warehouse, hardware stores

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
- Very directed light distribution for high rack warehouses
- 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 suitable 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 very narrow: 30°
- Click into place solution with smart click buttons
- Fixed luminare taps
- Steel-sheet housing

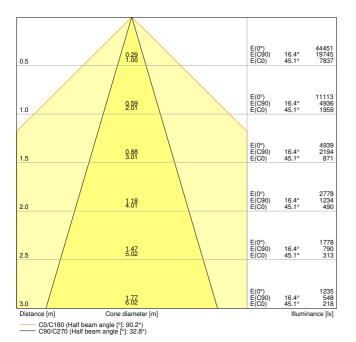
TECHNICAL DATA

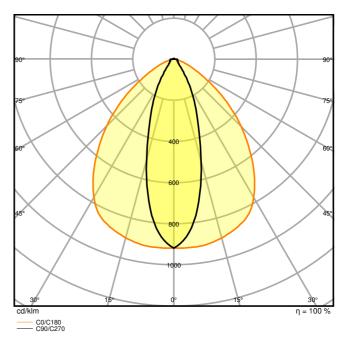
Electrical data

Nominal wattage	70.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	320 mA
Inrush current	38.8 A
Inrush current time T _{h50}	230 μs
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	≤ 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 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	30 °



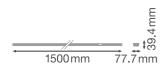


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Dimensions & Weight

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
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	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	
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
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

Type of Emergency Lighting (EL)	EL unit (battery and controller) for decentral operation included	
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
PDF	User instruction / safety instructions	TRUSYS FLEX EMERGENCY 840
PDF	Legal information	Light Source Insert Trusys Flex EM
PDF	Legal information	Legal insert TRUSYS FLEX P EM

	Documents and certificat	res	Document name
PDF	Legal information		Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformit	у	CE Declaration Trusys Flex P EM
PDF	Declarations of conformit	y UKCA	UKCA Declaration Trusys Flex P EM
PDF	Certificates		ENEC TRUSYS FLEX P EM
	Photometric and lighting	design files	Document name
	IES file (IES)		TRUSYS FLEX P 70W 840 VN CL WT EM
	LDT file (Eulumdat)		TRUSYS FLEX P 70W 840 VN CL WT EM
	ULD file (DIALux)		TRUSYS FLEX P 70W 840
ROLF	ROLF file (RELUX)		TRUSYS FLEX P 70W 840 VN
	UGR file (UGR table)		TRUSYS FLEX P 70W 840 VN CL WT EM
	Light distribution curve type cone		TRUSYS FLEX P 70W 840 VN CL WT EM
	Light distribution curve type polar		TRUSYS FLEX P 70W 840 VN CL WT EM
	CAD/BIM files		Document name
	BIM Revit 3D		TRUSYS FLEX
SEP .	CAD STEP 3D		TruSys FLEX
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	Tender texts	Document name	
	Tender documents	TruSys FLEX EMERGENC	Y VERY NARROW 70W 840 VN CL WT EM-EN

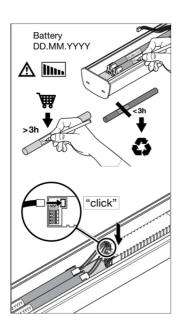
LOGISTICAL DATA

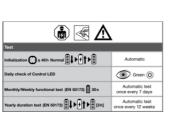
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075773271	Folding box 1	108 mm x 1,534 mm x 102 mm	2535.00 g	16.90 dm ³

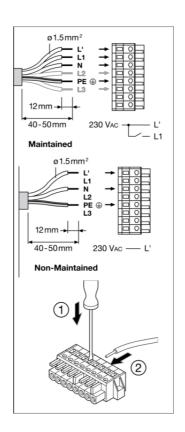
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075773288	Shipping box 4	1,547 mm x 218 mm x 231 mm	10933.00 g	77.90 dm ³

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.

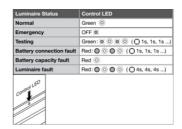
ADDITIONAL CATALOG INFORMATION

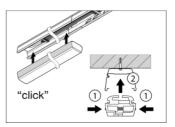












References / Links

- For Guarantee see www.ledvance.com/guarantee

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