



product_datasheet_title

TruSys® PFM EM N 70 W 4000 K AT 3H

TruSys® PERFORMANCE EMERGENCY NARROW | Luminaire inserts with narrow light distribution for standard and emergency lighting



technical_data

ELECTRICAL DATA

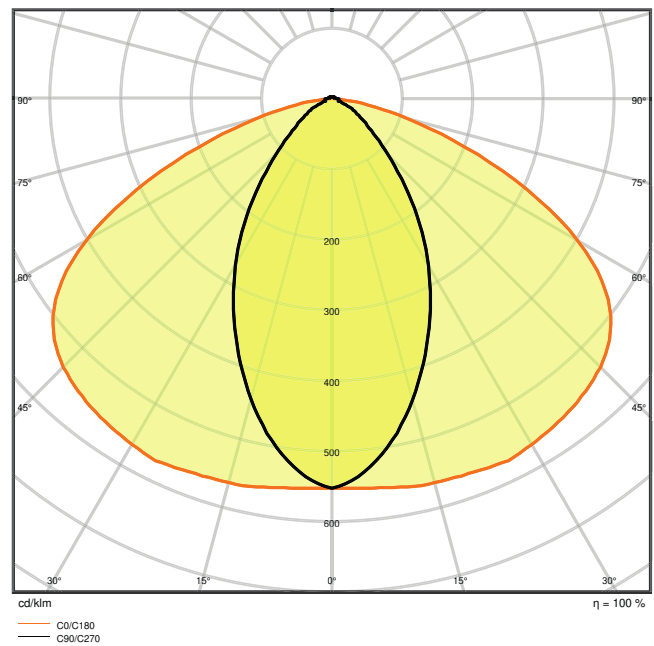
Nominal wattage	70.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	380.000 mA
Inrush current	32 A
Inrush current time T_{h50}	400 μ s
Max. number of luminaires per miniature circuit breaker B16	5
Max. number of luminaires per miniature circuit breaker C10	5
Max. number of luminaires per miniature circuit breaker C16	9
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

PHOTOMETRICAL DATA

Luminous flux	11200 lm
Luminous efficacy	160 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	\geq 80
Standard deviation of color matching	\leq 3 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	60 °
UGR	21



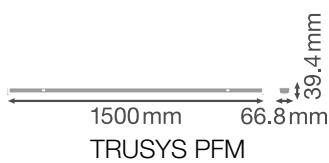
TRUSYS PFM 70W 4000K N EM AT 3H



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DIMENSIONS & WEIGHT

Length	1500.00 mm
Width	66.80 mm
Height	39.40 mm
Product weight	1660.00 g



MATERIALS & COLORS

Product color	White
Housing color	White
Body material	Steel
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	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	5...+35 °C
Type of connection	Plug-In connection
Type of protection	IP20
Protection class IK (shock resistance)	IK04
Dimmable	yes
Mounting type	Suspended/Surface
Mounting location	Mounting rail
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

LIFESPAN

Lifespan L70/B50 at 25 °C	55000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L90/B10 at 25 °C	40000 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

ECG - Output ripple current	< 20 %
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BATTERY

Type of Battery	LiFePO4
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	Maintained / Non-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	11200 lm
Luminous flux in emergency operation mode	600 lm
Battery life in emergency operation mode	3 h
Integrated test switch	No

CERTIFICATES & STANDARDS

Standards	CE / CB / ENEC / EAC
Ball shot safe	No

download_data

Documents and certificates		document_name
	User instruction	UI_Trusys_Trunking-System_Performance_EM
	User instruction	TRUNKING SYSTEM PFM EM
	Addon Technical Information	LS Insert Trusys PFM EM
	Declarations Of Conformity CE	TRUSYS PFM EM AT 3H
Photometric and lighting design files		document_name
	IES file (IES)	TRUSYS PFM 70W 4000K N EM AT 3H
	LDT file (Eulumdat)	TRUSYS PFM 70W 4000K N EM AT 3H
	ULD file (DIALux)	TRUSYS PFM 70W-4000K N
	ROLF file (RELUX)	TRUSYS PFM 70W-4000K
	UGR file (UGR table)	TRUSYS PFM 70W 4000K N EM AT 3H
	LDC typ cone	TRUSYS PFM 70W 4000K N EM AT 3H
	LDC typ polar	TRUSYS PFM 70W 4000K N EM AT 3H

CAD/BIM files	document_name
 CAD_STEP_3D	TRUSYS PFM INSERT

logistical_data

product_code	packaging_unit	dimensions	weight	volume
4058075291256	Folding box 1	83 mm x 1,571 mm x 88 mm	1835.00 g	11.47 dm ³
4058075291263	Shipping box 4	1,589 mm x 194 mm x 198 mm	8133.00 g	61.04 dm ³

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