

PRODUCT DATASHEET

TruSys PFM EM VW 35 W 4000 K AT 3H

TruSys PERFORMANCE EMERGENCY VERY WIDE | Luminaire inserts with very wide light distribution for standard and emergency lighting



AREAS OF APPLICATION

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with fluorescent lamps
- Industry halls, high rack warehouse, garages, 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
- Very wide light distribution for area lighting
- 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
- Rows of up to 57 luminaires possible

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 very wide: 120°
- Click into place solution with smart click buttons
- Luminous efficacy: up to 160 lm/W
- Fixed luminare taps
- Steel-sheet housing

TECHNICAL DATA

Electrical data

Nominal wattage	35.00 W
Operating mode	Integrated LED driver
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Power factor λ	> 0.90
Inrush current	25 A
Total harmonic distortion	< 20 %
Wattage in emergency operation mode	4.0 W
Nominal voltage of battery	3.2 V
Wattage in maintained operation mode	35.0 W
Inrush current time T_{h50}	220 μ s

Luminaire control gear data

ECG - Output ripple current	<20 %
Low flicker	Yes
Max. no. of lum. on circuit break. B16 A	13
Max. no. of lum. on circuit break. C10 A	12
Max. no. of lum. on circuit break. C16 A	19

Photometrical data

Color temperature	4000 K
Color rendering index Ra	\geq 80
Light color (designation)	Cool White
Luminous flux	5600 lm
Luminous efficacy	160 lm/W
Standard deviation of color matching	\leq 3 sdcn

Light technical data

Beam angle	120 °
UGR lateral	23
UGR longitudinal	23

Dimensions & weight



Length	1500 mm
Width	66.8 mm
Height	39.4 mm
Product weight	1660.00 g

Colors & materials

Product color	White
Housing color	White
Body material	Steel
Cover material	Polymethylmethacrylate (PMMA)

Temperatures & operating conditions

Ambient temperature range	-25...+40 °C
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Lifespan

Number of switching cycles	100000
Lifespan L70/B50 at 25 °C	65000 h
Lifespan L80/B10 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	50000 h

Additional product data

Mounting type	Suspended/Surface
Mounting location	Mounting rail
Product remark	Available from March 2020

Capabilities

Dimmable	Yes
Type of connection	Plug-In connection
Type of emergency operation test	Automatic
Integrated test switch	No
LED module replaceable	Not replaceable

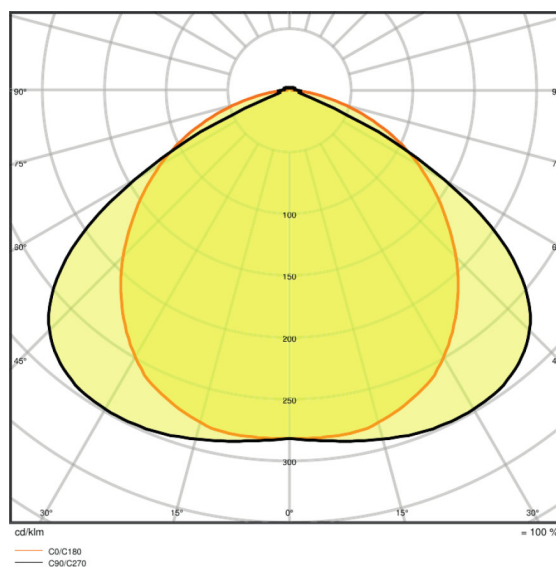
Certificates & standards

Type of protection	IP20
Protection class	I
Protection class IK (shock resistance)	IK04
Glow Wire Test according to IEC 695-2-1	650 °C
Photobiological safety group EN62778	RG 1
Standards	CE/CB/ENEC 18/EAC/RoHS

Logistical data

Temperature range at storage	5...+35 °C
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Light Distribution



LDC typ cone

LDC typ polar

EQUIPMENT / ACCESSORIES

- Mounting rail with fixed integrated 8-pole cable

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075291218	Folding carton box 1	83 mm x 1571 mm x 88 mm	1835.00 g	11.47 dm ³
4058075291225	Shipping carton box 4	1589 mm x 194 mm x 198 mm	8133.00 g	61.04 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.

REFERENCES / LINKS

For Guarantee see

- ▶ www.ledvance.com/guarantee

DISCLAIMER

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