

PRODUCT DATASHEET

DAMP PROOF EM 1200 39 W 4000 K AT 3H

DAMP PROOF EMERGENCY | Damp-proof luminaires, classic shape with integrated emergency lighting function



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

PERFOR-
MANCE
CLASS

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
- Uniform light distribution in normal operation
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection
- 3 years guarantee

Product features

- Luminaire suited for normal lighting and emergency lighting



- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- High luminous efficacy: up to 115 lm/W
- Type of protection: IP65
- Beam angle: 105°

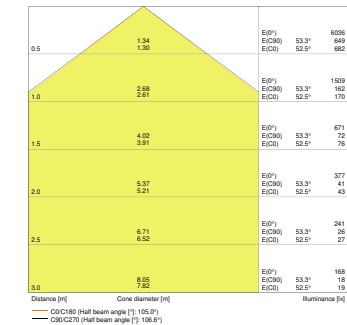
TECHNICAL DATA

Electrical data

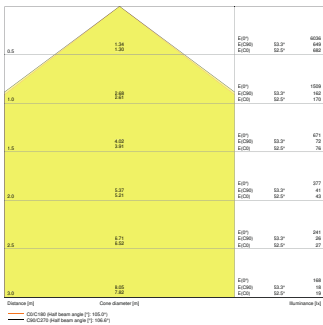
Nominal wattage	39.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	170 mA
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker C10	32
Max. number of luminaires per miniature circuit breaker C16	51
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

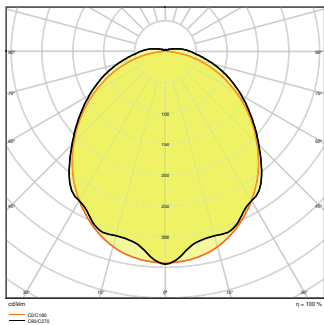
Luminous flux	4400 lm
Luminous efficacy	115 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	105 °



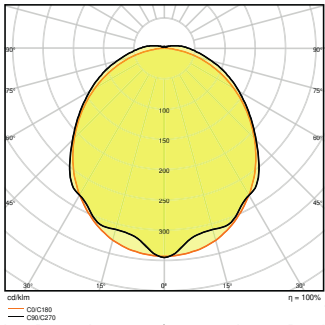
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EM AT 3H



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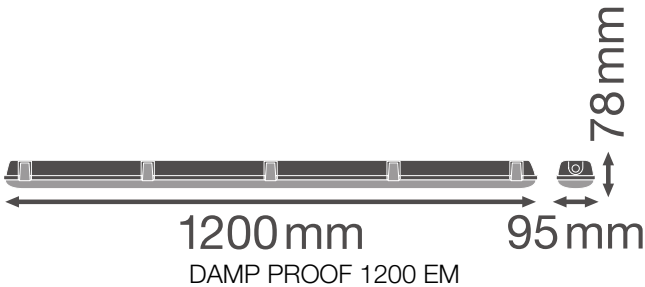
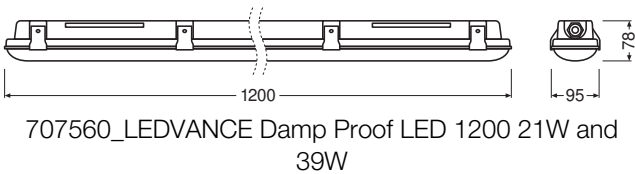
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Dimensions & Weight

Length	1200.00 mm
Width	95.00 mm
Height	78.00 mm
Product weight	2150.00 g



Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	5...+35 °C
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Temperature range at storage	5...+35 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	35000 h ¹⁾
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	25000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

BATTERY

Type of Battery	LiFePO4
Battery size [GMS]	Others
Nominal voltage of battery	3.2 V
Nominal capacity of battery	4500 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	W
Wattage in emergency operation mode	3,0 W
Luminous flux in maintained operation mode	4400 lm
Luminous flux in emergency operation mode	500 lm
Battery life in emergency operation mode	3 h
Integrated test switch	No

Certificates & Standards

Standards	CE / CB / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI DAMPPROOF LED EM
	Declarations of conformity	CE delcaration of Damp proof Emergency

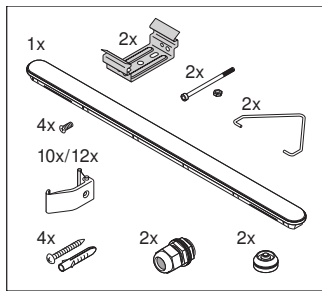
Photometric and lighting design files		Document name
	IES file (IES)	DAMP PROOF 1200 39W 4000K EM AT 3H
	LDT file (Eulumdat)	DAMP PROOF 1200 39W 4000K EM AT 3H
	UGR file (UGR table)	DAMP PROOF 1200 39W 4000K EM AT 3H
	Light distribution curve type cone	DAMP PROOF 1200 39W 4000K EM AT 3H
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	Light distribution curve type polar	DAMP PROOF 1200 39W 4000K EM AT 3H
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LOGISTICAL DATA

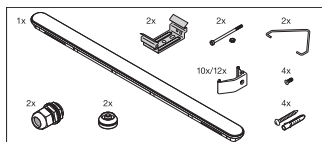
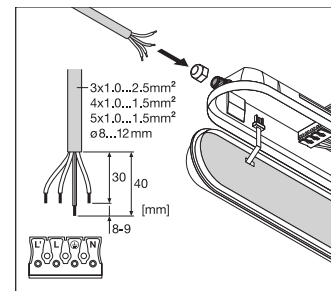
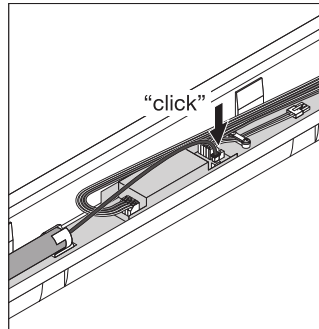
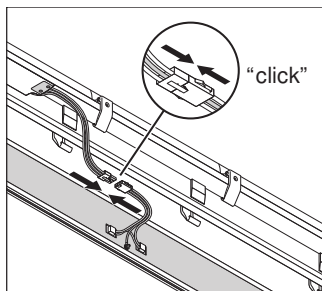
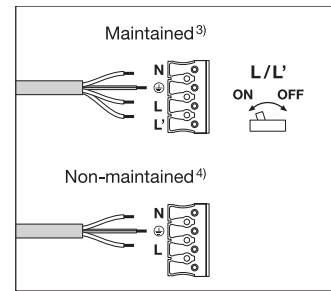
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075203983	Folding box 1	1,205 mm x 102 mm x 84 mm	2333.00 g	10.32 dm ³
4058075203990	Shipping box 6	1,225 mm x 333 mm x 192 mm	11992.00 g	78.32 dm ³

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



Luminaire Status	Control LED
Normal	Green
Emergency	OFF
Testing	Green: (1s, 1s, 1s...)
Battery connection fault	Red: (1s, 1s, 1s...)
Battery capacity fault	Red
Luminaire fault	Red: (4s, 4s, 4s...)



References / Links

– 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.