

# PRODUCT DATASHEET

## ECO CLASS DAMP PROOF 1200 42 W 6500 K IP65 TH

ECO CLASS DAMP PROOF GEN 2 | Damp-proof luminaires, classic shape

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### Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines



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### Product benefits

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

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### Product features

- High luminous efficacy: up to 120 lm/W
- Type of protection: IP65
- Beam angle: 120°
- Through-wired (L, N, E)
- Polycarbonate housing



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**TECHNICAL DATA****Electrical data**

Nominal wattage	42.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Inrush current	20 A
Inrush current time $T_{h50}$	100 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	37
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	48
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	20 %
Protection class	II
Operating mode	Integrated LED driver

**Photometrical data**

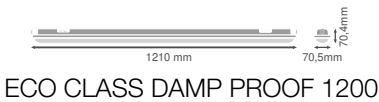
Luminous flux	5040 lm
Luminous efficacy	120 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	120 °

ECO CLASS DAMP PROOF 42W

ECO CLASS DAMP PROOF

Dimensions & Weight

Length	1210.00 mm
Width	70.50 mm
Height	70.40 mm
Product weight	1150.00 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	650 °C

Mercury content	0.0 mg
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Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-40...+70 °C
Type of connection	Screwless
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
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)

Certificates & Standards

Standards	CE / EAC / RoHS / REACH
Luminaire with limited surface temperature, "D sign"	Yes
Replaceable light source (EPREL)	Not replaceable


Additional product data






Number of illuminants	-
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EQUIPMENT / ACCESSORIES

– Mounting material for wall and ceiling installations included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	User Instruction ECO CLASS DAMPPROOF

Documents and certificates		Document name
	Declarations of conformity	CE Declaration of Conformity ECO CLASS DAMP PROOF
Photometric and lighting design files		Document name
	LDT file (Eulumdat)	ECO CLASS DAMP PROOF 1200 TH 42W 6500K IP65
	UGR file (UGR table)	ECO CLASS DAMP PROOF 42W
	Light distribution curve type cone	ECO CLASS DAMP PROOF 42W
	Light distribution curve type polar	ECO CLASS DAMP PROOF

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075463882	Folding box 1	1,236 mm x 77 mm x 75 mm	1399.00 g	7.14 dm <sup>3</sup>
4058075463899	Shipping box 6	1,260 mm x 250 mm x 165 mm	9510.00 g	51.98 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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