PRODUCT DATASHEET
ECO CLASS DAMP PROOF HLO 1500 80 W 4000 K IP65 TH

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

Areas of application

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

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
– 5 years guarantee

Product features

– High luminous efficacy: up to 140 lm/W
– Type of protection: IP65
– Beam angle: 120°
– Through-wired (L, N, E)
– Polycarbonate housing

TECHNICAL DATA

Electrical data

Nominal wattage	80.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Inrush current	30 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	25
Max. number of luminaires per miniature circuit breaker C10	19
Max. number of luminaires per miniature circuit breaker C16	30
Power factor λ	≥0.90
Total harmonic distortion	20 %
Protection class	II
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	11000 lm
Luminous efficacy	137 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
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 80W

ECO CLASS DAMP PROOF

Dimensions & Weight

Length	1510.00 mm
Width	70.50 mm
Height	70.40 mm
Product weight	1790.00 g

ECO CLASS DAMP PROOF 1500

ECO CLASS DAMP PROOF HLO 1500 80 W 4000 K IP65 TH
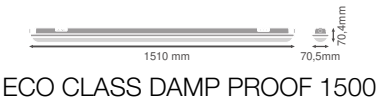
Materials & Colors

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

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	50000 h [1]
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	-

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	User Instruction ECO CLASS DAMPPROOF
PDF	Declarations of conformity	CE Declaration of Conformity ECO CLASS DAMP PROOF

	Photometric and lighting design files	Document name
LDT	LDT file (Eulumdat)	ECO CLASS DAMP PROOF HLO 80W 4000K IP65
	UGR file (UGR table)	ECO CLASS DAMP PROOF 80W
	Light distribution curve type cone	ECO CLASS DAMP PROOF 80W
	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
4058075464063	Folding box 1	1,536 mm x 77 mm x 75 mm	2097.00 g	8.87 dm³
4058075464070	Shipping box 6	1,560 mm x 250 mm x 165 mm	13921.00 g	64.35 dm³

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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.