



PAR56 LED WHITE LIGHT

Typology

LED PAR56 for swimming pools, fountains and SUBMERSIBLE applications ONLY.

Features

Max depth underwater: 1 m max.
Recommended minimum depth 45 cm.
Can be used as a retrofit to traditional PAR56.

Material

AISI 316 Stainless steel body and polycarbonate cover.
Material resistant to chlorine and swimming pool additives.

Applications

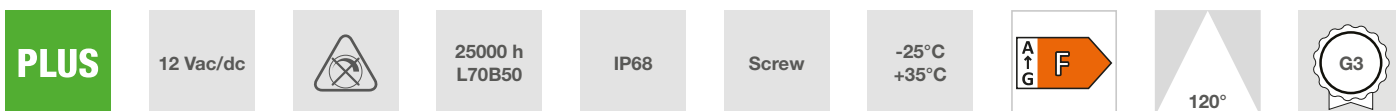
For underwater installations inside suitable fittings.

Power supply

Operating Voltage: 12V DC or 12V AC 50/60Hz (electromagnetic transformer).
M4 screw terminal.

Notes

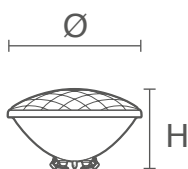
For underwater installations inside suitable fittings.



Characteristic data

Power	35 W	Beam	120°	Dimmable	No	Input	12 Vac/dc
Base	Screw	IP	68	Flux	6100 lm	PF	0,8
Tc	6000 K	LED Warranty	G3				

Dimensional characteristics



Ø	177 mm
H	102 mm

Lighting and photometric features

Beam opening	120°
Flux	6100 lm
CCT nominal colour temperature	6000 K
Colour of the light	Cool light
Lifespan	25000 h
LED lifespan	L70B50
Trigger time	<0,2 s
Heating time up to 60% of full efficiency	Instant Full Light
Mercury	0 mg

Electrical characteristics

Rated power	35 W
Input voltage	12 Vac/dc
Frequency	50 Hz
Dimmable	No
Power factor (PF)	0,8
Weighted energy consumption	70 kWh/1000h
Energy efficiency class	F
Number of cycles	100000
Operating temperature	-25°C / +35°C

Photometry

	6000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra70		114°	112°	
Fixture Power	70W	1	3.05	2.99	1905
Source Flux	6000lm	2	6.11	5.97	476
Fixture Flux	6000lm	3	9.16	8.96	212
Efficacy	86lm/W	4	12.22	11.94	119
12PAR56CW70 _{max} =323cd/klm	I _{max}	5	15.27	14.93	76

EulumDat file on the site

Other Infotech

Reflector	Yes
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LED Warranty

G3	Up to 3 years (4000h/year) *4000h = 11h a day x 365 days. Without limitations on the duration of use for the first year, provided the observance of the installation conditions.
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European Directives

2009/125/EC * Ecodesign
2011/65/EU * RoHS
2012/19/EU * RAEE
2014/30/EU * EMC
2015/863 * Amending RoHS
2017/1369 * Regulation for Energy Labelling
2019/2015 * Regulation for Energy Labelling
2019/2020 * Regulation for Ecodesign
2021/340 * Amending Reg. Energy Labelling
2021/341 * Amending Reg. Ecodesign

Product standards

CEI EN 55015:2020 (+A11:2020)
CEI EN 62838:2016 (+EC:2018)
CEI EN 61000-3-2:2019 (+A1:2021)
CEI EN 61000-3-3:2014 (+EC1:2014/+EC2:2016/+A1:2021/+A2:2022)
CEI EN 61547:2010
CEI EN 62031:2021 (+A11:2022)
CEI EN 62471:2010
IEC/TR 62471-2:2009
CEI 34-141:2014

Logistics data

Item net weight	660 gr
Barcode single item	8011905850807
Number of pieces multiple pack	20
Barcode multiple pack	8011905851262
Minimum order quantity	1
Minimum packaging	1 / 20