ELIOS 1.0

ELIOS 1.0 20W WH9003 55° 4000K 48V 1,5M

Cod: **ELS00FCL0W0C00**

Metel: **ELSFBL001**

IdroSkud® protection system
polarity reversal protection + voltage spikes protection + water infiltration protection

Protection class III
Designed to be supplied from a separated extra-low voltage (SELV) power supply

IP 67
Protected against temporary immersion (30 minutes) up to 1 meter

IP 66
Protected against powerful water jets (100 liters per minute)

IK 10
Protected against impact of 20 J

High temperatures
Design to withstand temperatures up to +50° C

C5 - Very high
corrosion resistance level ISO 9223

Mizar warranty
5 years warranty

Technical description

Floodlight suitable for outdoor environments (IP66/IP67), with operating temperature range: -20°C / +50°C. To reduce weight and ensure corrosion resistance, the body is made of aluminum. The aluminumbody is protected by polyester epoxy paint to ensure corrosion resistance of 1500 hours in salt spray. The light source is LED C.O.B powered by constant voltage 48V, for maximum power of 20W. The high luminous flux makes it ideal for marking pedestrian and driveway paths or illuminating facades and architectural details thanks to the optics with TIR lens. The LED source is recessed for greater visual comfort. Color rendering index CRI > 90. Elios is equipped with IdroSkud® system to protect electronic components from voltage spikes, polarity reversal and water infiltration. There are optionals for anti-glare (honeycomb) and accessory for installation in the ground (stake). The product must be combined with a power supply to ensure its operation. The power supply must be ordered separately. The amount of luminaires that can be connected to a single power supply varies depending on the type of installation. It is up to the installer to verify the possible voltage drop by evaluating the distance between the product and the power supply.

MIZAR is a brand of REER SPA
Via Carcano 32 - 10153 - Torino, Italy
Tel: +39 011 9969833 - Mail: info@mizar.it - www.mizar.it

Lighting data

Source type	COB LED
CCT	4000K
CRI	> 90
MacAdam (SDCM)	3
Source lumen output (lm)	2489
Luminaire lumen output (lm)	1473
Light emission	Wide
Beam angle	55°

Photobiological risk	RG1
ULR	0.00%
BUG Rating	B1 U0 G0
CIE Flux Code	98 99 100 100 100
LED lifetime	L90 B10 50.000h (Ta +25°C)
Efficiency class	This product contains a light source of energy efficiency class (EU2019/2015): F

Mechanical data

Width (mm)	130
Length (mm)	127
Height (mm)	160
Weight (Kg)	2.89
IP Rating	IP66 / IP67
IK rating	IK10
Type of finishing	Protective primer followed by epoxy and polyester paint
Finishing colour	White RAL9003
Frame material	Anodized aluminum anticorodal 6082

Body material	Anodized aluminum anticorodal 6082
Diffuser material	Extraclear tempered glass
Diffuser thickness (mm)	12
Class ISO 9223	C5
Optic type	Technopolymer TIR Lens
Optical optional	None
Maximal working temperature	+50° C
Minimal working temperature	-20° C

Electrical data

Nominal power (W)	20
Power supply (input power type)	Costant voltage - 48V DC
Ballast	Remote
Insulation class	III
Dimmable	Yes (PWM)
Power cable type	H05RN - F 2x0,75 mm²
Power cable length	1,5 m

Electrical connection	Parallel connection
Idroskud® protection	Yes
Inverse polarity protection	Yes
Voltage spikes protection	Yes

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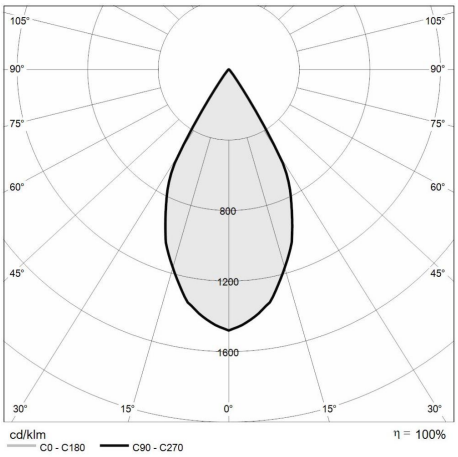
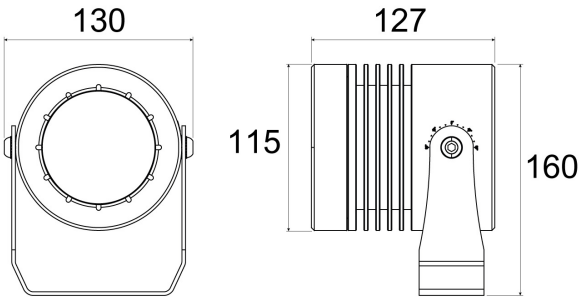
Photometry



Technical drawing



Accessories

DIMMABLE POWER SUPPLY

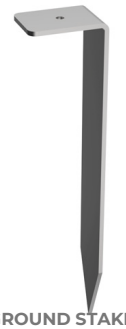
POWER SUPPLY DC 48V 100W 2,1A IP 67 DALI2/PWM

Cod: MID0032

DIMMABLE POWER SUPPLY

POWER SUPPLY DC 48V 160W 3,34A IP 67 DALI2/PWM

Cod: MID0033



GROUND STAKE

Stake for floodlight - big size

Cod: CEAZZZ017

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