ACUS 1.0

ACUS 1.0 20W 14° 4000K 500mA

Cod: **ACU00FCS000Z00**

Metel: **ACUFLS000**

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

Drive-over
Fixture design to withstand a static load up to 2000kg

CX - Extreme
corrosion resistance level ISO 9223

Mizar warranty
5 years warranty

Technical description

Inground luminaire, drive-over, 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 and the round frame of steel. The light source is LED C.O.B powered by constant current, max 500mA, 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. Acus 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 louvre) and installation accessories (drive-over outercase). 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)	2121
Luminaire lumen output (lm)	1553
Light emission	Narrow
Beam angle	14°

Photobiological risk	RG1
ULR	100.00%
BUG Rating	B0 U5 G0
CIE Flux Code	0 0 0 0 100
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

Diameter (mm)	140
Height (mm)	106
Weight (Kg)	1.33
IP Rating	IP66 / IP67
IK rating	IK10
Shape	Round
Finishing colour	Steel
Frame material	Shot peened stainless steel 316L
Body material	Anodized aluminum anticorodal 6082
External screws material	Stainless steel 316L (A4)
Diffuser material	Extraclear tempered glass

Diffuser thickness (mm)	12
Class ISO 9223	CX
Optic type	Technopolymer TIR Lens
Optical optional	None
Maximal working temperature	+50° C
Minimal working temperature	-20° C
Maximum static load (kg)	2000
Walk-over	Yes
Drive-over	Yes
Maximal surface temperature	+60° C
Areas EN 60598-2-13	A1 / A2 / A3 / A4

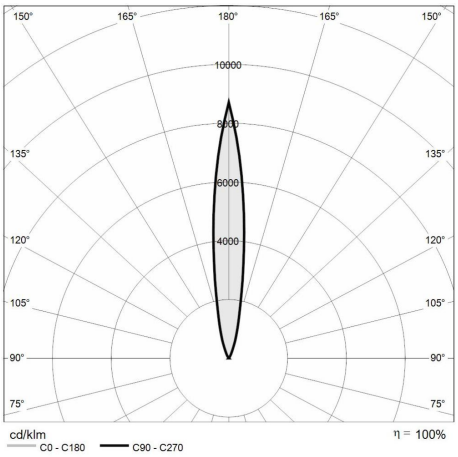
Electrical data

Nominal power (W)	20
Power supply (input power type)	Costant current - 500 mA DC
Ballast	Remote
Insulation class	III
Dimmable	Yes (PWM)
Connector type	M12 - 5 poles IP67
Power cable length	Not pre-wired

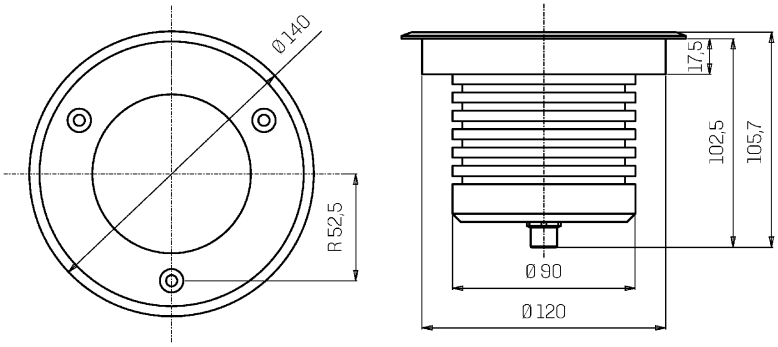
Electrical connection	Series connection
Idroskud® protection	Yes
Inverse polarity protection	Yes
Voltage spikes protection	Yes

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

Photometry



Technical drawing

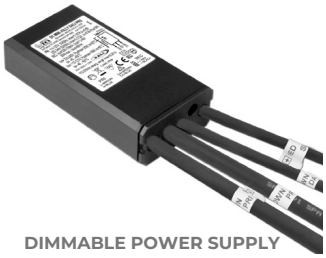


Accessories

DIMMABLE POWER SUPPLY

POWER SUPPLY DC 10-54V 1.5/38W
150-1050MA IP20 DALI/NFC

Cod: MID0025



DIMMABLE POWER SUPPLY

POWER SUPPLY DC 2-49V 1/30W
250-700MA IP68 DALI

Cod: MID0027

NOT DIMMABLE POWER SUPPLY

POWER SUPPLY DC 25-85V 15/70W
350-700MA IP20 ON/OFF

Cod: MID0024

DRIVE-OVER OUTERCASE

Outercase drive-over ACUS

Cod: ACUZZZ000

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