



ACUS 1.3

ACUS 1.3 13W 5° RGBW 24V PWM

Cod: **ACU05PCS000Z00**



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 66

Protected against powerful power jets, 100 liters per minute



IP 67

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



IK 10

Protected against impact of 20 J



High temperatures

Design to withstand temperatures up to +50° C



Driver-over

Fixture design to withstand a static load up to 20 kN



CX - Extreme

corrosion resistance level ISO 9223



RGBW luminaire

Light source allows to mix colours controlling four channels



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 a multi-chip LED RGBW powered by constant voltage 24V, for maximum power of 13W. The high luminous flux makes it ideal for marking pedestrian and driveway paths or illuminating facades and architectural details thanks to the optics with color-mixing TIR lens. The LED source is recessed for greater visual comfort. 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

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the product and the power supply.

Lighting data

Source type	multi-chip LED	Photobiological risk	RG0
CCT	RGBW (4000K)	ULR	100.00%
CRI	> 80	BUG Rating	B0 U4 G0
MacAdam (SDCM)	3	CIE Flux Code	0 0 0 0 100
Source lumen output (lm)	1040	LED lifetime	L80 B10 50.000h
Luminaire lumen output (lm)	459		
Light emission	Narrow		

Beam angle 5°

Mechanical data

Diameter (mm)	140	Class ISO 9223	CX
Height (mm)	62	Optic type	Technopolymer TIR Lens
Weight (g)	1240	Optical optional	None
IP Rating	IP66 / IP67	Maximal working temperature	+50° C
IK rating	IK10	Minimal working temperature	-20° C
Shape	Round	Maximal static load (kN)	20
Finishing colour	Steel	Walk-over	Yes
Frame material	Shot peened stainless steel	Driver-over	Yes
	316L	Maximal surface temperature	+60° C
Body material	Anodized aluminum	Areas EN 60598-2-13	A1 / A2 / A3 / A4
	anticorodal 6082		
Diffuser material	Extraclear tempered glass		
Diffuser thickness (mm)	12		

Electrical data

Nominal power (W)	13	Electrical connection	Series connection
Power supply (input power type)	Costant voltage - 24V	Idroskud® protection	Yes
Ballast	Remote	Inverse polarity protection	Yes
Insulation class	III	Voltage spikes protection	Yes
Dimmable	Yes (PWM)		
Connector type	M12 - 8 poles IP67		
Power cable length	Not pre-wired		

Photometry

Technical drawing

