

Uplights | 1 arrayLED 9 W DC 24 V | CRI 80 81190M15





Type Walk Over Installation position Floor Installation environment Outdoor Light Source LED Circuit structure arrayLED Optics Spot Light emission direction upward Nominal power 9 W DC Source lumens 1193 Im Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter Yes Directional No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Electrostatic discharge protection No Surge protection No Surge protection No Product technological characteristics Acquastop	Technical data	
Installation environment Light Source Light Source Light Source Circuit structure Optics Spot Light emission direction Nominal power 9 W DC Source lumens 1193 Im Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Walk-over Yes Cable length 1 m Resin potting Yes Type of light emission Net weight Installation signed emission No Surge protection No	Туре	Walk Over
Light Source LED Circuit structure arrayLED Optics Spot Light emission direction upward Nominal power 9 W DC Source lumens 1193 lm Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Directional No Directional No Directional No Titling No Walk-over Yes Drive-over No Cable length 1 m Resin potting Yes Cable emission Si	Installation position	Floor
Circuit structure arrayLED Optics Spot Light emission direction upward Nominal power 9 W DC Source lumens 1193 lm Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Directional No Directional No Directional No Tilting No Walk-over Yes Drive-over No Cable length 1 m Resin potting Yes Type of light emission Single emission No	Installation environment	Outdoor
Optics Spot Light emission direction upward Nominal power 9 W DC Source lumens 1193 lm Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dirmable article No Directional No Titling No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostati	Light Source	LED
Light emission direction upward Nominal power 9 W DC Source lumens 1193 lm Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dirmable article No Directional No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrost	Circuit structure	arrayLED
Nominal power 9 W DC Source lumens 1193 lm Input voltage range 24 V CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dirmmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No	Optics	Spot
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Input voltage range	Nominal power	9 W DC
CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dirmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No	Source lumens	1193 lm
Colour rendering index C.C. / C.V. CV Safety class 3 IP IP68 Installation limitations INA IK10 Glow wire test Birch Direct mounting on normally flammable surfaces CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Cable included Yes Cable length 1 m Resin potting Net weight Electrostatic discharge protection No Surge protection No CV Surface CV Surface Surfaces Se Se CE Yes Converter 24V included No Converter 24V included No Tilting No Single emission No Surge protection No	Input voltage range	24 V
C.C. / C.V. Safety class IP IP68 Installation limitations IK IK10 Glow wire test Direct mounting on normally flammable surfaces CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Type of light emission Net weight Lettorstatic discharge protection No Surge protection Not over lip68 Author or underwater use IK10 IK10 CVV CVV CVV CVV IK10 IVA IVA IVA IVA IVA IVA IVA IV	CCT / Tone	2700 K
Safety class IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter Converter No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No	Colour rendering index	80 Ra
IP IP68 Installation limitations	C.C. / C.V.	CV
Installation limitations IK IK10 Glow wire test B50° Direct mounting on normally flammable surfaces CE Yes Driver included No C.V C.C. Converter Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Type of light emission Net weight Directional No Surge protection No No No No No No No No No	Safety class	3
Installation limitations IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Net weight Electrostatic discharge protection No Surge protection No IK10 IK10 Reso Serve Yes Converter 24V included No Converter 24V included No Tonve-over Yes No Single emission No Surge protection No	IP	IP68
Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Installation limitations	
Direct mounting on normally flammable surfaces CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Net weight Directional No Surge protection No No No No No No No No No N	IK	IK10
CE Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Glow wire test	850°
Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Direct mounting on normally flammable surfaces	Yes
C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	CE	Yes
C.V C.C. Converter included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Driver included	No
Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	C.V C.C. Converter	
Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Dimmable article	No
Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Directional	No
Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Tilting	No
Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Walk-over	Yes
Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Drive-over	No
Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Cable included	Yes
Type of light emission Net weight Clear to the state of	Cable length	1 m
Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No	Resin potting	Yes
Electrostatic discharge protection No Surge protection No	Type of light emission	Single emission
Surge protection No	Net weight	0.5 Kg
	Electrostatic discharge protection	No
Product technological characteristics Acquastop	Surge protection	No
	Product technological characteristics	Acquastop

























Finishing casing		
Material	Die-cast Aluminium EN AB - 46100	
Colour	black	
Processing	Open pore anodizing + Powder Coating	

Finishing diffuser		
Material	Extra clear glass - Tempered	
Colour	transparent	
Processing	Silk-screening	

Finishing flange		
Material	AISI 316L steel	
Colour	steel	
Processing	Brushing	

Electronics



89179 On/Off Driver 198~264V AC 24 W (1 - 2 art.)



89359

On/Off Driver 198~264V AC / 180~275V DC 48 W (1 - 5 art.)



99331

On/Off Driver 198~264V AC / 176~275V DC 150 W (1



99660

DALI - 1-10V Controller 24V DC 216 W (1 art.)



C-E500023

DALI - 1-10V - Push and Simply Dim Controller 8~53V DC 576 W (1 art.)

Cables Electrification		
Cable connector	No	



Uplights | 1 arrayLED 9 W DC 24 V | CRI 80 | Base 81190M15

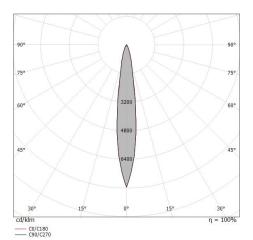
Single emission uplights for outdoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1193 lm, with a 132.6 lm/W nominal luminous efficacy.

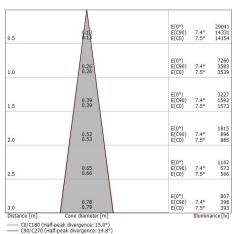
The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP68; the total weight is of 0.5 kg.

The total absorbed power is 9 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be floor-mounted with an outer casing, code 99856(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.





Energy efficiency class

This product contains a light source of energy efficiency class F.

Illuminotechnical Features	
Light Output Ratio (LOR)	76 %
Source lumens	1193 lm
Delivered lumens	911 lm
Consumption	9 W
Luminaire efficacy	101 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

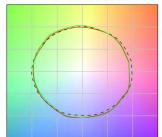
LED Life / Failure Ratio

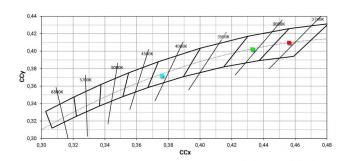
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	13.1
UGR transversal	13.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	15°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC







Orma_A | Uplights | Accessories 81190M15

