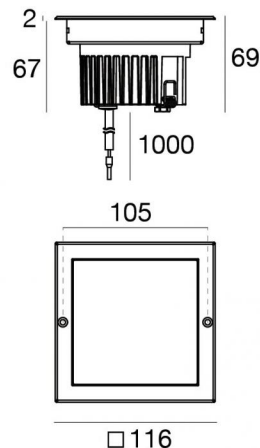


Uplights | 1 arrayLED 9 W DC 24 V | CRI 80
77310N60



Technical data	
Type	Walk Over
Installation position	Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	upward
Nominal power	9 W DC
Source lumens	1188 lm
Input voltage range	24 V
CCT / Tone	4000 K
Colour rendering index	80 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP67
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	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	Yes
Drive-over	2000 Kg
Cable included	Yes
Cable length	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	0.9 Kg
Electrostatic discharge protection	No
Surge protection	No
Product technological characteristics	Acquastop - TVS

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 316 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 - 16 art.)



99660
DALI - 1-10V Controller 24V DC 216 W (- art.)



C-E500023
DALI - 1-10V - Push and Simply Dim Controller 8-53V DC 576 W (- art.)

Cables Electrification

Cable connector	No
-----------------	----

Uplights | 1 arrayLED 9 W DC 24 V | CRI 80 | Base 77310N60

Single emission uplights for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1188 lm, with a 132.0 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 IP67; the total weight is of 0.9 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 83410(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 E.

Illuminotechnical Features

Light Output Ratio (LOR)	67 %
Source lumens	1188 lm
Delivered lumens	800 lm
Consumption	9 W
Luminaire efficacy	88 lm/W
Colour temperature	4000 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	50°C

LED Life / Failure Ratio

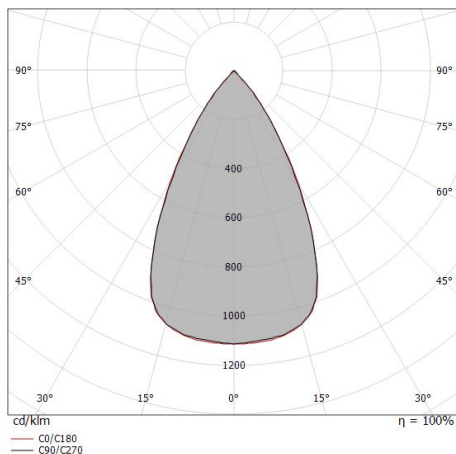
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	16.1
UGR transversal	16.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	58°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.55 0.55	3562	28.9° 1199	29.0° 1199
1.0	1.10 1.11	890	28.9° 300	29.0° 300
1.5	1.66 1.66	396	28.9° 133	29.0° 133
2.0	2.21 2.22	223	28.9° 75	29.0° 75
2.5	2.76 2.77	142	28.9° 48	29.0° 48
3.0	3.31 3.33	99	28.9° 33	29.0° 33

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 58.0°)
— C90/C270 (Half-peak divergence: 57.8°)





Orma_Q | Uplights | Accessories
77310N60



Outer casing

installation position: floor, land; type of installation: masonry L=114mm, H=93mm,
D=114mm.

Material:ABS Plastic, colour:black.

Code

83410