Orma_QJ

Uplights | 1 arrayLED 5 W DC 24 V | CRI 80
77298N60

-20° +20°

17		2
		66.5
		1000

62 · 74

□ 85
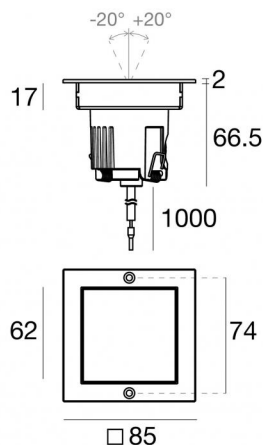
Technical data

Type	Walk Over
Installation position	Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	upward
Nominal power	5 W DC
Source lumens	660 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	Yes
total angle (vertical plane)	40 °
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	0.45 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

	89488	On/Off Driver 190~250V AC / 180~275V DC 15 W (1 - 2 art.)
	89179	On/Off Driver 198~264V AC 24 W (1 - 4 art.)
	89359	On/Off Driver 198~264V AC / 180~275V DC 48 W (1 - 9 art.)
	99331	On/Off Driver 198~264V AC / 180~275V DC 150 W (1 - 30 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

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Single emission uplights for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 1 arrayled LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 660 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 0.45 kg.

The total absorbed power is 5 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 83411(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)	47 %
Source lumens	660 lm
Delivered lumens	312 lm
Consumption	5 W
Luminaire efficacy	62 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 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 130200h

UGR

UGR axial	18
UGR transversal	18
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	52°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%
—— C0/C180
—— C90/C270
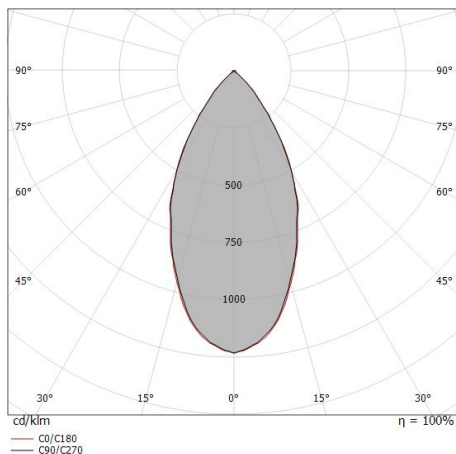
Distance [m]	Cone diameter [m]		Illuminance [lx]	
0.5	0.49 / 0.49	E(0°)		1537
		E(C90)	26.1°	559
		E(C0)	26.3°	557
1.0	0.98 / 0.99	E(0°)		384
		E(C90)	26.1°	140
		E(C0)	26.3°	139
1.5	1.47 / 1.48	E(0°)		171
		E(C90)	26.1°	62
		E(C0)	26.3°	62
2.0	1.96 / 1.98	E(0°)		96
		E(C90)	26.1°	35
		E(C0)	26.3°	35
2.5	2.45 / 2.47	E(0°)		61
		E(C90)	26.1°	22
		E(C0)	26.3°	22
3.0	2.94 / 2.97	E(0°)		43
		E(C90)	26.1°	16
		E(C0)	26.3°	15

—— C0/C180 (Half-peak divergence: 52.6°)
—— C90/C270 (Half-peak divergence: 52.2°)

COLOR VECTOR GRAPHIC

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60x60
93 17
76
Ø97

Outer casing

installation position: floor, land; type of installation: masonry L=97mm, H=93mm, D=97mm.
Material:ABS Plastic, colour:black.

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