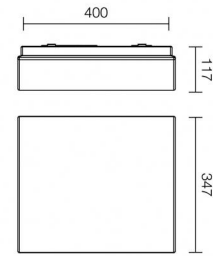




Ceiling Downlights | 220-240 V  
1 topLED 13 W DC - 17 W AC | CRI 85  
**7890**



Technical data	
Construction year	2017
Type	Surface
Installation position	Wall lights - Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward and upward
Nominal power	13 W DC
Total Power	17 W
Source lumens	1522 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	220 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	85 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP65
IK	IK06
Glow wire test	650°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	No
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Double emission
Net weight	1.7 Kg
Electrostatic discharge protection	No
Surge protection	No

### Finishing diffuser

Material	PE
Colour	neutral

### Finishing mounting frame

Material	PC
Colour	white

The driver contained in the device complies with IEC 61347-2-13 annex J, and can therefore be powered by centralized power systems.



Ceiling Downlights | 220-240 V | 1 topLED 13 W DC - 17 W AC | CRI 85 | Base 7890

Double emission ceiling downlights for outdoor application. The warm white LED light source with a diffused light distribution is composed of 78 topped LEDs with CCT of 3000 K and a CRI 85; the source luminous flux is 1522 lm, with a 117.1 lm/W nominal luminous efficacy.

The diffuser is made of pe; the mounting frame is made of PC, with a white finish. The ingress protection degree is IP65; the total weight is of 1.7 kg.

The total absorbed power is 17 W.

The device features protection class II and can be wall lights or ceiling-mounted.

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)	115 %
Source lumens	1522 lm
Delivered lumens	1756 lm
Consumption	17 W
Luminaire efficacy	103 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	85 Ra
Junction temperature (lighting fixture)	80

Standard Operating Ambient Temperature -20 / +50°C

### LED Life / Failure Ratio

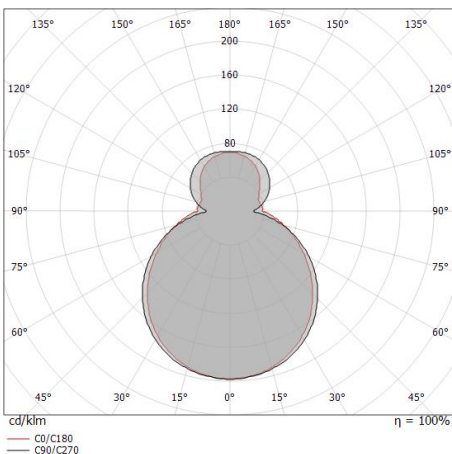
L70 B20 C0 72500h

### UGR

UGR axial	19.8
UGR transversal	20.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C90/C270 optics	126°
C0/C180 optics	121°
Light distribution symmetry	Symmetrical 2 axis



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.96	E(0°) 1388
	1.77	E(C90) 63.0° 65
		E(C0) 60.6° 82
1.0	3.93	E(0°) 347
	3.55	E(C90) 63.0° 16
		E(C0) 60.6° 21
1.5	5.89	E(0°) 154
	5.32	E(C90) 63.0° 7
		E(C0) 60.6° 9
2.0	7.85	E(0°) 87
	7.10	E(C90) 63.0° 4
		E(C0) 60.6° 5
2.5	9.81	E(0°) 56
	8.87	E(C90) 63.0° 3
		E(C0) 60.6° 3
3.0	11.78	E(0°) 39
	10.65	E(C90) 63.0° 2
		E(C0) 60.6° 2

— C0/C180 (Half-peak divergence: 121.2°)  
— C90/C270 (Half-peak divergence: 126.0°)