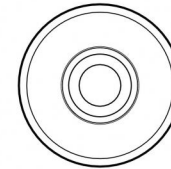
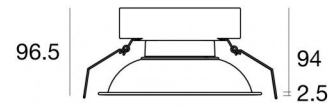


Woofer_R



Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90
C00406WHWSP



Ø182




Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	downward
Nominal power	12.5 W DC
Source lumens	2235 lm
Input voltage range	350mA
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP44
IK	IK08
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	No
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.3 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.21 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

Material	Aluminium
Colour	White
Processing	Coating

Electronics

	99115 1-10V - N/O button Multi Power 198-264V AC / 180-275V DC (1 art.)
	99375 On/Off Driver 198-264V AC (1 art.)
	83322 Push and Simply Dim - DALI-2 Controller (1 art.)



Downlights | 1 arrayLED 12.5 W DC 350 mA | CRI 90 | Base C00406WHWSP

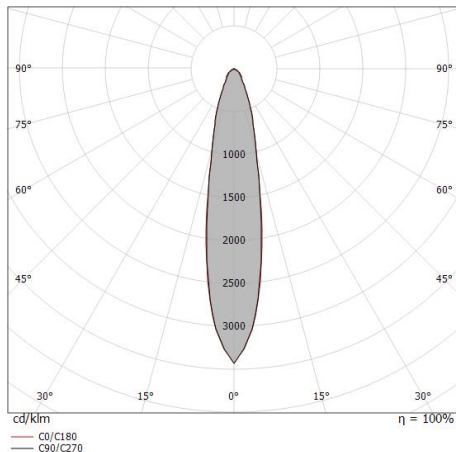
Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 2235 lm, with a 178.8 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a white finish, processed by means of coating. The ingress protection degree is IP44; the total weight is of 0.21 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12.5 W. The power supply cable is included and features a 0.3 m length.

The device features protection class III and can be ceiling-mounted, with a 165 mm diameter hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.19 0.19	E(0°) 20026 E(C90) 10.5° 9557 E(C0) 10.7° 9583
1.0	0.37 0.38	E(0°) 5007 E(C90) 10.5° 2389 E(C0) 10.7° 2396
1.5	0.56 0.57	E(0°) 2225 E(C90) 10.5° 1062 E(C0) 10.7° 1065
2.0	0.74 0.76	E(0°) 1252 E(C90) 10.5° 597 E(C0) 10.7° 599
2.5	0.93 0.94	E(0°) 801 E(C90) 10.5° 382 E(C0) 10.7° 383
3.0	1.11 1.13	E(0°) 556 E(C90) 10.5° 265 E(C0) 10.7° 266

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 21.4°)
— C90/C270 (Half-peak divergence: 21.0°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	65 %
Source lumens	2235 lm
Delivered lumens	1460 lm
Consumption	13 W
Luminaire efficacy	112 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra

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	16.5
UGR transversal	16.5
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics 21°

Light distribution simmetry Symmetrical