

Woofer_R ECL



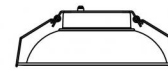
Downlights | 200-240 V | 66 topLED 15 W DC 24 V

CRI 90

84023T00



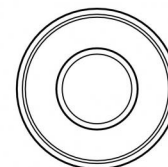
KIT
LED lamp
+ Driver



68



165



182

Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	15 W DC
Electrical power of the 405nm circuit	5 W
Source lumens	1000 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	200 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	3500 K
Colour rendering index	90 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP44
IK	IK08
Glow wire test	850°
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	Yes
Cable length	0.15 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.196 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

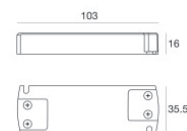
Material	Aluminium
Colour	White
Processing	Coating

Finishing diffuser

Material	PMMA
Colour	opaline

Electronics included in the kit

83203
On/Off Driver 200~240V AC / V DC 15 W (1 art.)
Electrical insulation class 2



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Downlights | 200-240 V | 66 topLED 15 W DC 24 V | CRI 90 | Base 84023T00

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	74 %
Source lumens	1000 lm
Delivered lumens	748 lm
Consumption	16.5 W
Luminaire efficacy	45 lm/W
Colour temperature	3500 K
Standard Deviation of Colour Matching	3 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 145770h (at Tj 65 Ta 25)

UGR

UGR axial	21.7
UGR transversal	21.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	100°
Light distribution simmetry	Symmetrical

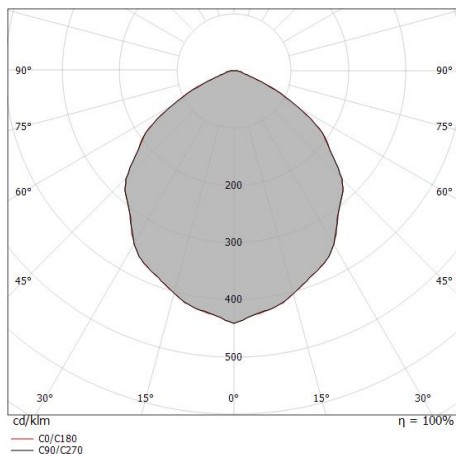
Single emission recessed downlights for indoor application. The brilliant white LED light source with a diffused light distribution is composed of 66 topped LEDs with CCT of 3500 K and a CRI 90; the source luminous flux is 1000 lm, with a 66.7 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a white finish, processed by means of coating; the diffuser is made of pmma. The ingress protection degree is IP44; the total weight is of 0.196 kg.

The total absorbed power is 16.5 W. The power supply cable is included and features a 0.15 m length.

The device features protection class II 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	1.18 1.19	E(0°) 1320 E(C90) 49.8° 178 E(C0) 49.9° 177
1.0	2.37 2.38	E(0°) 330 E(C90) 49.8° 45 E(C0) 49.9° 44
1.5	3.55 3.56	E(0°) 147 E(C90) 49.8° 26 E(C0) 49.9° 20
2.0	4.73 4.75	E(0°) 82 E(C90) 49.8° 11 E(C0) 49.9° 11
2.5	5.92 5.94	E(0°) 53 E(C90) 49.8° 7 E(C0) 49.9° 7
3.0	7.10 7.13	E(0°) 37 E(C90) 49.8° 5 E(C0) 49.9° 5

— C0/C180 (Half-peak divergence: 99.8°)
— C90/C270 (Half-peak divergence: 99.6°)