



Downlights | 192 topLED 37.5 W DC 24 V | CRI 90
C00221BBWDI



38

Ø 745



742

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	37.5 W DC
Source lumens	4176 lm
Input voltage range	24V
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP40
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	No
Dimmable article	DALI - 1-10V
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	3.2 Kg
Electrostatic discharge protection	No
Surge protection	No
Optics technology	Dot free

Finishing casing

Material	Aluminium 6060
Colour	Black
Processing	Powder coating

Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	opaline

Electronics

	99332 1-10V Controller (1 - 4 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 - 2 art.)
	99722 DALI Controller 90~305V AC / 127~431V DC 120 W (1 - 3 art.)
	83333 Push and Simply Dim - DALI-2 Controller (1 - 4 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 6 art.)



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Energy efficiency class

This product contains 8 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	56 %
Source lumens	4176 lm
Delivered lumens	2340 lm
Consumption	38 W
Luminaire efficacy	61 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

LED Life / Failure Ratio

L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	19.4
UGR transversal	19.5
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	115°
Light distribution symmetry	Symmetrical

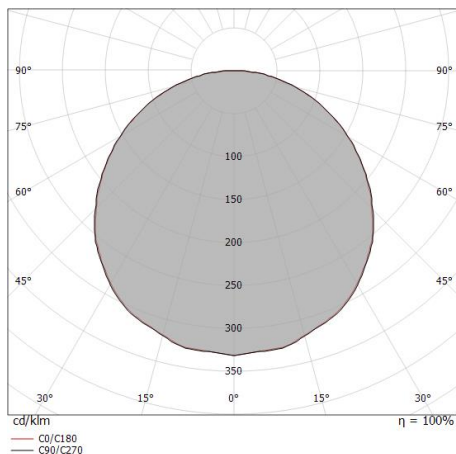
Single emission recessed downlights or recessed downlights for indoor application. The warm white LED light source with a diffused light distribution is composed of 192 topLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 4176 lm, with a 111.4 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a black finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP40; the total weight is of 3.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 37.5 W.

The device features protection class III and can be ceiling-mounted, with a 742 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	1.57 1.56	E(0°) 3107 E(C90) 242 E(C0) 243
1.0	3.14 3.13	E(0°) 777 E(C90) 60 E(C0) 61
1.5	4.71 4.69	E(0°) 345 E(C90) 27 E(C0) 27
2.0	6.28 6.25	E(0°) 194 E(C90) 15 E(C0) 15
2.5	7.85 7.82	E(0°) 124 E(C90) 10 E(C0) 10
3.0	9.42 9.38	E(0°) 86 E(C90) 7 E(C0) 7

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

— C0/C180 (Half-peak divergence: 114.8°)
— C90/C270 (Half-peak divergence: 115.0°)