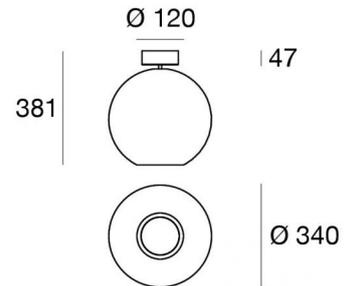


Ceiling Downlights | 198-264 V | 80 topLED 17 W DC - 19 W AC | CRI 90

CA090DBBMDI



Technical data	
Type	Ceiling Downlights
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	17 W DC
Total Power	19 W
Source lumens	2282 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	2700 K
Colour rendering index	90 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP20
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	Phase cut
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Double emission
Electrostatic discharge protection	Yes
Surge protection	Yes

Finishing casing

Material	Aluminium
Colour	Text black (R9005)
Processing	Coating

Finishing diffuser

Material	Glass
Colour	Transparent

Finishing mounting frame

Material	Iron
Colour	Text black (R9005)
Processing	Coating

Ceiling Downlights | 198-264 V | 80 topLED 17 W DC - 19 W AC | CRI 90 | Base
CA090DBBMDI

Double emission ceiling downlights for indoor application. The super warm white LED light source with a diffused light distribution is composed of 80 topLEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 2282 lm, with a 134.2 lm/W nominal luminous efficacy.

The device body is made of aluminium and features a text black (r9005) finish, processed by means of coating; the diffuser is made of glass; the mounting frame is made of iron, with a text black (r9005) finish, processed by means of coating.

The ingress protection degree is IP20;

The total absorbed power is 19 W

The device features protection class I and can be ceiling-mounted.

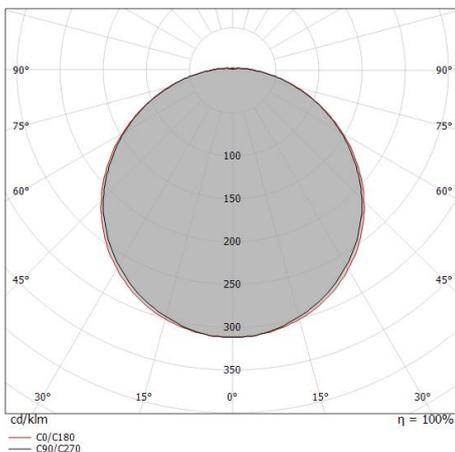
Compliant with the EN 60598-1 standard and its specific provisions.

Illuminotechnical Features

Light Output Ratio (LOR)	81 %
Source lumens	2282 lm
Delivered lumens	1871 lm
Consumption	19 W
Luminaire efficacy	98 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio

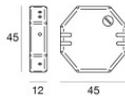
L70 B20 C0 72500h (at Tj 115 Ta 25)



Distance [m]	Cone diameter [m]	illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	1.58 1.62	2334 178 170	57.7°	58.3°	170
1.0	3.16 3.24	583 45 42	57.7°	58.3°	42
1.5	4.75 4.86	259 20 19	57.7°	58.3°	19
2.0	6.33 6.48	146 11 11	57.7°	58.3°	11
2.5	7.91 8.10	93 7 7	57.7°	58.3°	7
3.0	9.49 9.71	65 5 5	57.7°	58.3°	5

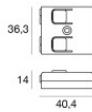
— C0/C180 (Half-peak divergence: 116.6°)
— C90/C270 (Half-peak divergence: 115.4°)

Cristalbolla_S | Ceiling Downlights | Accessories
CA090DBBMDI



Dimmer - Phase cut (Max 100W) - Essential for dimming the lamp
220-240V

Code
KIT0026



Dimmer - Phase cut CASAMBI - Essential for dimming the lamp with Casambi
Radio-frequenza, 85-240V

Code
KIT0080