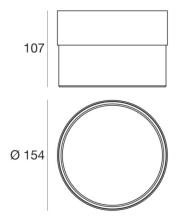
## Crumb

# Ceiling Lights | 220-240 V | topLED 15 W 700 mA | CRI 90 90282

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Installation positionCeilingInstallation environmentIndoorLEDLEDOpticsGeneral LightingLight SourcedownwardPower15 WSource lumens1653 ImFrequency50 - 60 HzCCT / Tone3000 KColour rendering index90 RaAC / DCACSafety class1PIP40Slow wire test850°Direct mounting on normally flammable surfacesYesCEYesTLNoSriver includedDrivernductionNoOriver includedNoDirectionalNoCitorialNoCitorialNoCitorialNoCitorialNoCitorialNoCitorialNoCable includedNoResin pottingNoResin pottingNo	Technical data	
Indoor     Light Source   LED     Optics   General Lighting     Light emission direction   downward     Power   15 W     Source lumens   1653 Im     Frequency   50 - 60 Hz     CCT / Tone   3000 K     Colour rendering index   90 Ra     AC / DC   AC     Safety class   1     P   IP40     Slow wire test   850°     Direct mounting on normally flammable surfaces   Yes     CE   Yes     CTL   No     Strike Rated (BS 476 PT21 compliant)   No     Driver included   Driver     nduction   No     Emergency mode   No     Votion sensor   No     Directional   No     Orive-over   No     Directional   No     Colour sensor   No     Directional   No     Colour sensor   No     Directional   No     Solar sele included   No     Solar sele included   No	Туре	Surface
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Source lumens1653 lmFrequency50 - 60 HzCCT / Tone3000 KColour rendering index90 RaAC / DCACSafety class1PIP40Glow wire test850°Direct mounting on normally flammable surfacesYesCEYesETLNoFire Rated (BS 476 PT21 compliant)NoDriver includedDrivernductionNoEmergency modeNoMotion sensorNoDirectionalNoClingNoDirectorelNoDirectorelNoDirectorelNoConsensorNoDirectorelNoDirectorelNoDirectorelNoDirectorelNoDirectorelNoDirectorelNoResin pottingNoResin pottingNo	Light emission direction	downward
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Safety class   1     P   IP40     Slow wire test   850°     Direct mounting on normally flammable surfaces   Yes     CE   Yes     ETL   No     Fire Rated (BS 476 PT21 compliant)   No     Driver included   Driver     nduction   No     Emergency mode   No     Viotion sensor   No     Directional   No     Valk-over   No     Drive-over   No     Cable included   No     Resin potting   No	Colour rendering index	90 Ra
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Glow wire test   850°     Slow wire test   850°     Direct mounting on normally flammable surfaces   Yes     CE   Yes     ETL   No     Fire Rated (BS 476 PT21 compliant)   No     Driver included   Driver     nduction   No     Emergency mode   No     Motion sensor   No     Directional   No     Valk-over   No     Drive-over   No     Cable included   No	Safety class	1
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Valk-over No   Drive-over No   Cable included No   Resin potting No	Directional	No
Drive-over No   Cable included No   Resin potting No	Tilting	No
Cable included No Resin potting No	Walk-over	No
Resin potting No	Drive-over	No
	Cable included	No
Fype of light emission Single emission	Resin potting	No
	Type of light emission	Single emission



#### Finishing diffuser

Material	Glass
Colour	transparent

## Crumb

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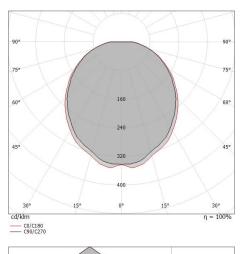
Single emission ceiling lights for indoor application. The warm white LED light source with a general lighting light distribution is composed of 36 topled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1653 lm, with a 110.2 lm/W nominal luminous efficacy.

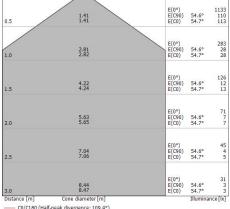
The diffuser is made of glass; the mounting frame is made of iron, with a embossed white ral 9003 finish, processed by means of coating. The ingress protection degree is IP40;

The total absorbed power is 15 W.

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

Illuminotechnical Features	
Light Output Ratio (LOR)	50 %
Source lumens	1653 lm
Delivered lumens	827.66 lm
Consumption	15 W
Luminaire efficacy	55 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
LED Life / Failure Ratio	
L80 B20 C0 80000h	
UGR	
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20
UGR transversal	< 25
UGR axial	< 25
OPTICAL	
Light distribution simmetry	Symmetrical
C0/C180 optics	109°





C0/C180 (Half-peak divergence: 109.4°) C90/C270 (Half-peak divergence: 109.2°)