

Ceiling Downlights | 220-240 V | 336 topLED 92 W DC - 98 W AC | CRI 90 | Base 7651

Double emission ceiling downlights for indoor application. The warm white LED light source with a diffused light distribution is composed of 336 topLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 13961 lm, with a 151.8 lm/W nominal luminous efficacy.

The device body is made of metal and features a white finish, processed by means of coating; the diffuser is made of pe; the mounting frame is made of metal, with a white finish, processed by means of coating. The ingress protection degree is IP40; the total weight is of 18 kg.

The total absorbed power is 98 W

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

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

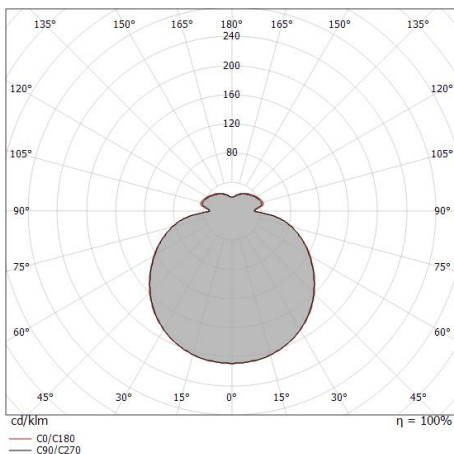
Energy efficiency class	
This product contains 28 light sources of energy efficiency class E.	

Illuminotechnical Features	
Light Output Ratio (LOR)	80 %
Source lumens	13961 lm
Delivered lumens	11265 lm
Consumption	98 W
Luminaire efficacy	114 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25°C

LED Life / Failure Ratio	
L80 B20 C0 80000h	

UGR	
UGR axial	21.3
UGR transversal	21.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	135°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	2.40 2.46	9429	67.4°	268	251
1.0	4.80 4.93	2357	67.4°	67	63
1.5	7.21 7.39	1048	67.4°	30	28
2.0	9.61 9.85	589	67.4°	17	16
2.5	12.01 12.31	377	67.4°	11	10
3.0	14.41 14.78	262	67.4°	7	7

— C0/C180 (Half-peak divergence: 135.8°)
— C90/C270 (Half-peak divergence: 134.8°)

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The total absorbed power is 98 W

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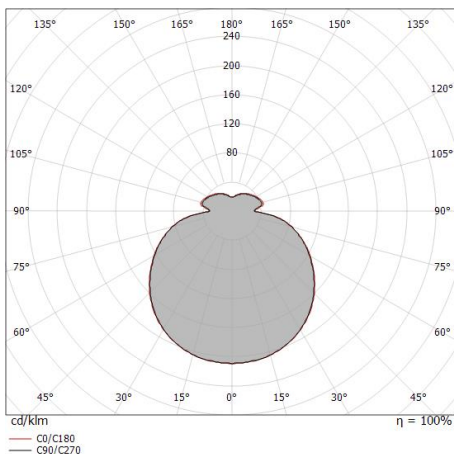
Energy efficiency class	
This product contains 28 light sources of energy efficiency class E.	

Illuminotechnical Features	
Light Output Ratio (LOR)	88 %
Source lumens	13961 lm
Delivered lumens	12395 lm
Consumption	98 W
Luminaire efficacy	126 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25°C

LED Life / Failure Ratio	
L80 B20 C0 80000h	

UGR	
UGR axial	21.6
UGR transversal	21.7
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	135°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	2.40 2.46	E(0°) 10375 E(C90) 295 E(C0) 276
1.0	4.80 4.93	E(0°) 2594 E(C90) 74 E(C0) 69
1.5	7.21 7.39	E(0°) 1153 E(C90) 33 E(C0) 31
2.0	9.61 9.85	E(0°) 648 E(C90) 18 E(C0) 17
2.5	12.01 12.31	E(0°) 415 E(C90) 12 E(C0) 11
3.0	14.41 14.78	E(0°) 288 E(C90) 8 E(C0) 8

— C0/C180 (Half-peak divergence: 135.8°)
— C90/C270 (Half-peak divergence: 134.8°)

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The total absorbed power is 98 W

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

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

Energy efficiency class

This product contains 28 light sources of energy efficiency class E.

Illuminotechnical Features

Light Output Ratio (LOR)	80 %
Source lumens	13961 lm
Delivered lumens	11265 lm
Consumption	98 W
Luminaire efficacy	114 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25°C

LED Life / Failure Ratio

L80 B20 C0 80000h

UGR

UGR axial	21.3
UGR transversal	21.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	135°
Light distribution simmetry	Symmetrical