



Ceiling Downlights | 176-264 V  
1 arrayLED 7.3 W DC - 9 W AC | CRI 90  
**84581W20**



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Nominal power	7.3 W DC
Total Power	9 W
Source lumens	1133 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	176 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP40
Optical compartment IP	IP65
IK	IK05
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	No
Resin potting	No
Type of light emission	Single emission
Net weight	0.50 Kg
Electrostatic discharge protection	Yes
Surge protection	0.5 KV
Optics technology	Set-back low glare optics

Finishing casing	
Material	Aluminium 6060
Colour	White
Processing	Powder coating
Finishing diffuser	
Material	Extra clear glass
Colour	transparent



Ceiling Downlights | 176-264 V | 1 arrayLED 7.3 W DC - 9 W AC | CRI 90 | Base  
**84581W20**

Single emission ceiling downlights for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1133 lm, with a 155.2 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a white finish, processed by means of powder coating; the diffuser is made of extra clear glass. The ingress protection degree is IP40; the total weight is of 0.50 kg.

The total absorbed power is 9 W.

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

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

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	72 %
Source lumens	1133 lm
Delivered lumens	827 lm
Consumption	9 W
Luminaire efficacy	91 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	35°C

### LED Life / Failure Ratio

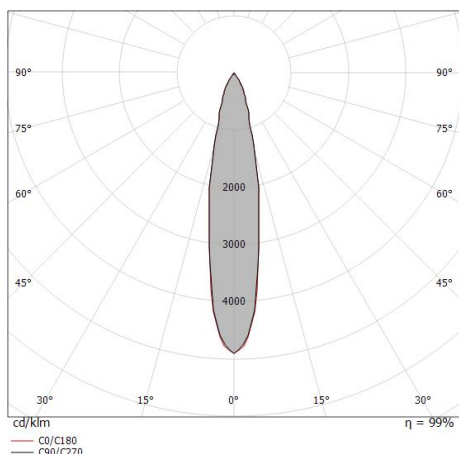
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	11.9
UGR transversal	12
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	20°
Light distribution symmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.18 0.18	E(0°) 16223 E(C90) 10.3° 7727 E(C0) 10.2° 7744
1.0	0.36 0.36	E(0°) 4056 E(C90) 10.3° 1932 E(C0) 10.2° 1936
1.5	0.55 0.54	E(0°) 1803 E(C90) 10.3° 859 E(C0) 10.2° 860
2.0	0.73 0.72	E(0°) 1014 E(C90) 10.3° 483 E(C0) 10.2° 484
2.5	0.91 0.90	E(0°) 649 E(C90) 10.3° 309 E(C0) 10.2° 310
3.0	1.09 1.08	E(0°) 451 E(C90) 10.3° 215 E(C0) 10.2° 215

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

— C0/C180 (Half-peak divergence: 20.4°)  
 — C90/C270 (Half-peak divergence: 20.6°)

