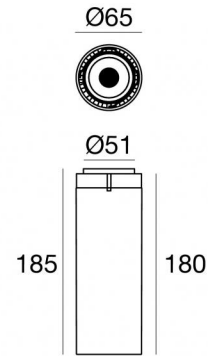




Ceiling Downlights | 100-264 V | 1 arrayLED 17.5 W DC - 19.5 W AC | CRI 90  
**82005N30**



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Flood
Light emission direction	downward
Nominal power	17.5 W DC
Total Power	19.5 W
Source lumens	2930 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	100 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 K
Colour rendering index	90 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP40
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	0.6 Kg
Electrostatic discharge protection	Yes
Surge protection	1.85 KV
Optics technology	Anti - Glare

Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	White
Processing	Powder coating



Ceiling Downlights | 100-264 V | 1 arrayLED 17.5 W DC - 19.5 W AC | CRI 90 | Base  
**82005N30**

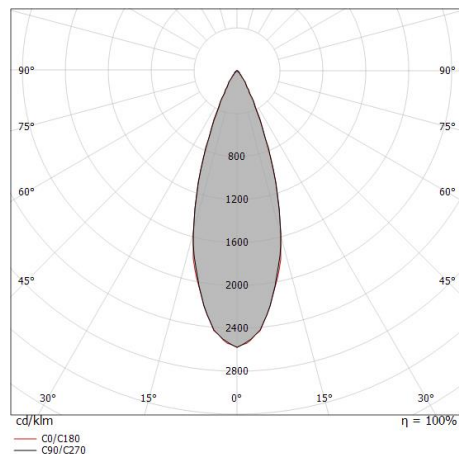
Single emission ceiling downlights for indoor application. The natural white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 2930 lm, with a 167.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating. The ingress protection degree is IP40; the total weight is of 0.6 kg.

The total absorbed power is 19.5 W.

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

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



Distance [m]	Cone diameter [m]	illuminance [lx]	E(0°) E(C0)	17.4°	20555 8971
0.5	0.31		E(0°) E(C0)	17.4°	5139 2243
1.0	0.63		E(0°) E(C0)	17.4°	2284 997
1.5	0.94		E(0°) E(C0)	17.4°	1285 561
2.0	1.25		E(0°) E(C0)	17.4°	822 359
2.5	1.57		E(0°) E(C0)	17.4°	571 249
3.0	1.88		E(0°) E(C0)	17.4°	

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0/C180 (Half-peak divergence: 34.8°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	68 %
Source lumens	2930 lm
Delivered lumens	1996 lm
Consumption	19.5 W
Luminaire efficacy	102 lm/W
Colour temperature	4000 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	40°C

### LED Life / Failure Ratio

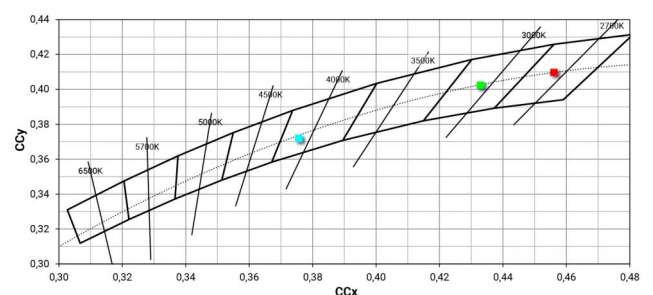
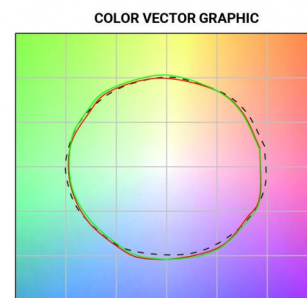
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR



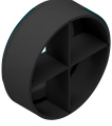




UGR axial	18.3
UGR transversal	18.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	35°
Light distribution simmetry	Symmetrical





	<p>Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99781</u></p>
	<p>Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99780</u></p>
	<p>Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99779</u></p>
	<p>Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99782</u></p>
	<p>Optics Light distribution: spot,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>99827</u></p>
	<p>Optics Light distribution: medium flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>99828</u></p>
	<p>Optics Light distribution: flood,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>99829</u></p>