

Ceiling Downlights | 198-264 V AC /176-280 V DC | 729 topLED 160 W DC - 172 W AC |
CRI 80 | Base
84278W00

Single emission ceiling downlights for indoor application. The warm white LED light source with a diffused light distribution is composed of 729 topped LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 29059 lm, with a 181.6 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a black finish, processed by means of powder coating; the diffuser is made of technical fabric. The ingress protection degree is IP40;

The total absorbed power is 172 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 a light source of energy efficiency class D.

Illuminotechnical Features

Light Output Ratio (LOR)	70 %
Source lumens	29059 lm
Delivered lumens	20546 lm
Consumption	172 W
Luminaire efficacy	119 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio

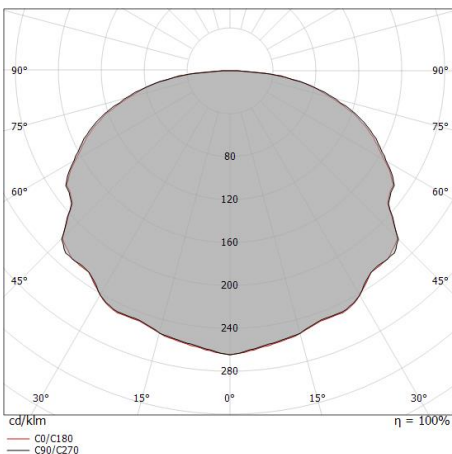
L70 B10 C0 145770h (at Tj 65 Ta 25)

UGR

UGR axial	24.1
UGR transversal	23.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	137°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	2.63 2.54	21770	488	537
1.0	5.27 5.08	5442	122	134
1.5	7.90 7.62	2419	54	60
2.0	10.53 10.15	1361	30	34
2.5	13.16 12.69	871	20	21
3.0	15.80 15.23	605	14	15

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 137.0°)
- - C90/C270 (Half-peak divergence: 138.4°)