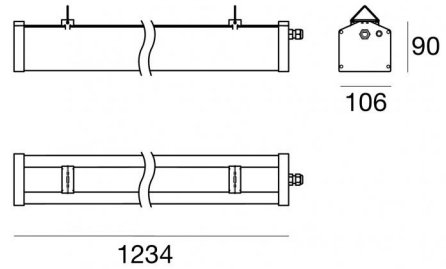


Alux Pro



Ceiling Downlights | 198-264 V AC /180-275 V DC
48 topLED 90 W DC - 100 W AC | CRI 80
81778W00



Technical data	
Type	Surface
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	topLED
Optics	Diffused
Light emission direction	downward
Nominal power	90 W DC
Total Power	100 W
Source lumens	13891 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP65
IK	IK06
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	Yes
Cable length	1 m
Resin potting	No
Type of light emission	Single emission
Net weight	4.4 Kg
Electrostatic discharge protection	Yes
Surge protection	5 KV

Finishing casing	
Material	Aluminium 6060
Colour	Anodised Aluminum
Processing	20 µm anodizing

Ceiling Downlights | 198-264 V AC /180-275 V DC | 48 topLED 90 W DC - 100 W AC | CRI 80 | Base 81778W00

Energy efficiency class

This product contains 3 light sources of energy efficiency class D.

Illuminotechnical Features

Light Output Ratio (LOR)	66 %
Source lumens	13891 lm
Delivered lumens	9297 lm
Consumption	100 W
Luminaire efficacy	92 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 B20 C10 108000h (at Tj 65 Ta 25)

UGR

UGR axial	26
UGR transversal	31.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	101°
C0/C180 optics	149°
Light distribution simmetry	Symmetrical 2 assis

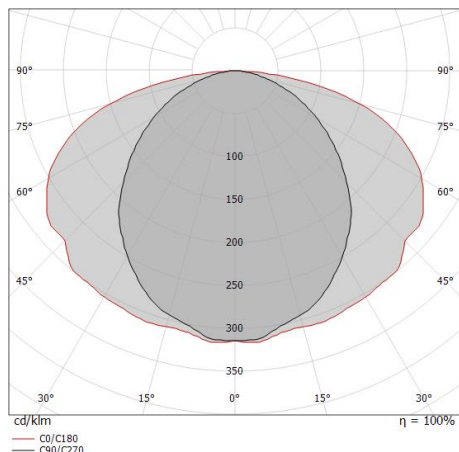
Single emission ceiling downlights for outdoor application. The warm white LED light source with a diffused light distribution is composed of 48 powered LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 13891 lm, with a 154.3 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a anodised aluminum finish, processed by means of 20 µm anodizing. The ingress protection degree is IP65; the total weight is of 4.4 kg.

The total absorbed power is 100 W. The power supply cable is included and features a 1 m length.

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]
0.5	1.20 3.56	E(0°) 11701 E(C90) 50.3° 1526 E(C0) 74.3° 117
1.0	2.41 7.12	E(0°) 2925 E(C90) 50.3° 382 E(C0) 74.3° 29
1.5	3.61 10.67	E(0°) 1300 E(C90) 50.3° 170 E(C0) 74.3° 13
2.0	4.82 14.23	E(0°) 731 E(C90) 50.3° 95 E(C0) 74.3° 7
2.5	6.02 17.79	E(0°) 468 E(C90) 50.3° 61 E(C0) 74.3° 5
3.0	7.23 21.35	E(0°) 325 E(C90) 50.3° 42 E(C0) 74.3° 3

— C0/C180 (Half-peak divergence: 148.6°)
— C90/C270 (Half-peak divergence: 100.6°)



Connector

Type of cable power cable; ; insulation single; section 1 mm²; cable gland: yes; colors: blue - brown - yellow-green.

Code

99737



Cable

Type of cable power cable; Length 1000 mm; insulation single; section 1 mm²; cable gland: pg7; colors: blue - brown - yellow-green.

Code

84863