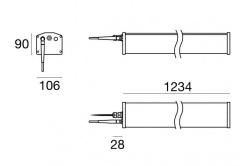
Alux Pro

198-264 V AC /180-275 V DC 48 topLED 90 W DC - 100 W AC | CRI 80 **76010W00**



Technical data	
Туре	Industrial Lighting
Installation position	Ceiling
Installation environment	Indoor
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	2
IP	IP65
к	IK06
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	Twil
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

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Finishing casin	3	
Material	Aluminium 6060	
Colour	Anodised Aluminum	
Processing	20 µm anodizing	





198-264 V AC /180-275 V DC | 48 topLED 90 W DC - 100 W AC | CRI 80 | Base 76010W00 Energy

Single emission for indoor application. The warm white LED light source with a diffused light distribution is composed of 48 powerled 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 II and can be ceiling-mounted.

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

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

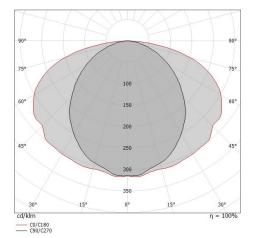
LED Life / Failure Ratio

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

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



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

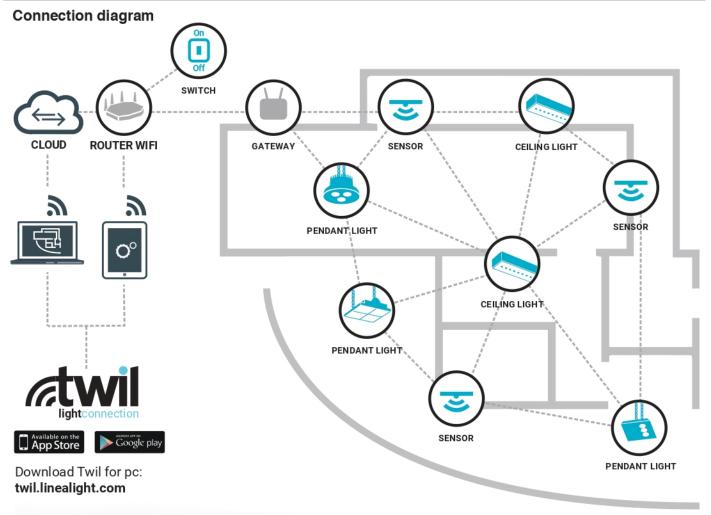
C0/C180 (Half-peak divergence: 148.6°)
 C90/C270 (Half-peak divergence: 100.6°)

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Alux Pro | Industrial Lighting | Accessories **76010W00**

		Cable Type of cable power cable; Length 1000 mm; insulation single; section 1 mm²; cable gland: pg7; colors: blue - brown - yellow-green.	Code 84863
9 2 5 (1)19		Connector Type of cable power cable; ; insulation single; section 1 mm²; cable gland: yes; colors: blue - brown - yellow-green.	Code 99737
	180 180 180 180 180 180 180 180 180 180 180 180 190 190 190 190 190 190 190	Electronic accessory - Acces point TP-Link Extender Network standard: IEEE 802.11 a/b/g/n/ac Radio-frequency: 2.4 & 5GHz installation position: wall lights L=180mm, H=47mm, D=180mm. Material:plastic, colour:white.	Code 99472
(The set	100 72	Gateway - Twil Gateway IEEE 802.11a/b/g/n MiWi IEEE 802.15.4	Code 83237
		Electronic accessory - Long Range Outdoor Wi-Fi Signal Extender - TP-Link CPE210 - 2.4GHz 300Mbps 9dBi installation position: wall lights L=224mm, H=60mm, D=79mm. Material:plastic, colour:white.	Code 83360
	152 ())) 103 81	Wi-Fi sensor - Giniu PIR+LUX Sensor	Code 83236
	190	Electronic accessory - Simultaneous dual band wireless router (2.4 + 5 GHz) installation position: wall lights, land L=99mm, H=190mm, D=99mm. Material:plastic, colour:white.	Code C-E700029

Alux Pro



It is possible configure, maintain and monitor the TWIL network using the Apps, available for Windows, Android and iOS, and the TWIL Cloud.

CONFIGURATION

- Possibility of adding up to 30 devices using Gateway and Switch to a Wi-Fi network
- Up to 80 devices including lights and sensors for every Gateway

Customising lights

- Name
- Brightness level at switch-on
- · Aggregation in Groups (up to 16)
- Up to 16 pre-configured Scenes

Customising the Sensors

Name

aW

- · Automatic switch-on of group of lights when movement detected
- · Group brightness adjustment according to natural light
- · Option to position the devices on a layout (Windows App)
- Push-button panel setting (Switch) for rapid command transmission can be configured using Apps

MAINTENANCE

- Light malfunction notification
- Control of electrical parameters and light life

MONITORING

- · Local: check on light and sensor operation
- Cloud: malfunction alert via email
- · light consumption log (individual, Gateway and Systems)
- sensor operation log



- Other information
 The wireless range could be affected by metal surfaces in particular. The wireless range must be checked in these conditions.
 The Twil light connection app is available in the app store of your smartphone or tablet. The Twil light connection app is available for PCs on the website: twil.linealight.com
 Linea Light Group declines all responsibility for any third-party commissioning tool and makes no declaration, whether express or implied, concerning the availability and/or performance of said commissioning tool.



External Antenna

