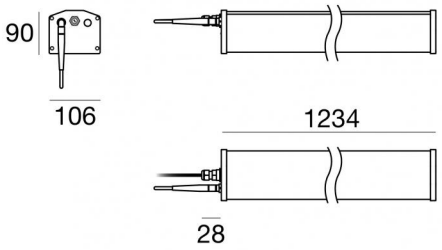
Alux Pro

198-264 V AC /180-275 V DC
48 topLED 90 W DC - 100 W AC | CRI 80
76010N12



Technical data	
Type	Industrial Lighting
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	topLED
Optics	Extra Wide Flood
Light emission direction	downward
Nominal power	90 W DC
Total Power	100 W
Source lumens	14558 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	2
IP	IP65
IK	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

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

Alux Pro

198-264 V AC /180-275 V DC | 48 topLED 90 W DC - 100 W AC | CRI 80 | Base
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Single emission for indoor application. The natural white LED light source with a extra wide flood light distribution is composed of 48 powerled LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 14558 lm, with a 161.8 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.

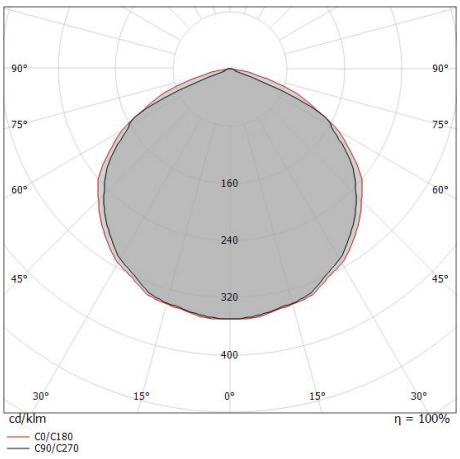
Energy efficiency class
This product contains 3 light sources of energy efficiency class D.

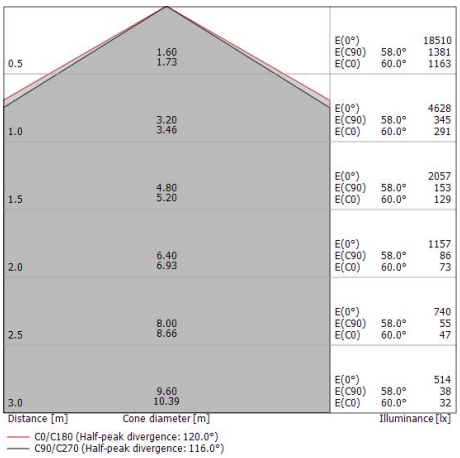
Illuminotechnical Features	
Light Output Ratio (LOR)	90 %
Source lumens	14558 lm
Delivered lumens	13240 lm
Consumption	100 W
Luminaire efficacy	132 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio
L70 B20 C10 108000h (at Tj 65 Ta 25)

UGR	
UGR axial	27.1
UGR transversal	28.9
X=4H | Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C90/C270 optics	116°
C0/C180 optics	120°
Light distribution simmetry	Symmetrical 2 assis





Alux Pro | Industrial Lighting | Accessories
76010N12

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

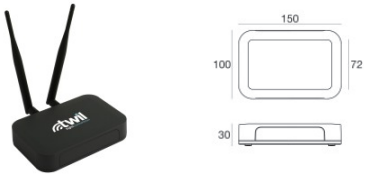
Code
84863

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

Code
99737

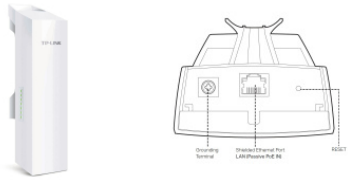
Electronic accessory - Acces point | TP-Link Extender Network standard: IEEE 802.11 a/b/g/n/ac Radio-frequency: 2.4 & 5GHz
installation position: wall lights L=180mm, H=47mm, D=180mm.
Material:plastic, colour:white.

Code
99472



Gateway - Twil Gateway IEEE 802.11a/b/g/n MiWi IEEE 802.15.4

Code
83237

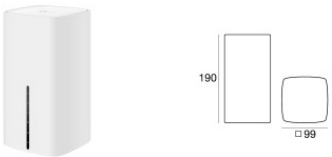


Electronic accessory - Long Range Outdoor Wi-Fi Signal Extender - TP-Link CPE210 - 2.4GHz 300Mbps 9dBi
installation position: wall lights L=224mm, H=60mm, D=79mm.
Material:plastic, colour:white.

Code
83360

Wi-Fi sensor - Giniu | PIR+LUX Sensor

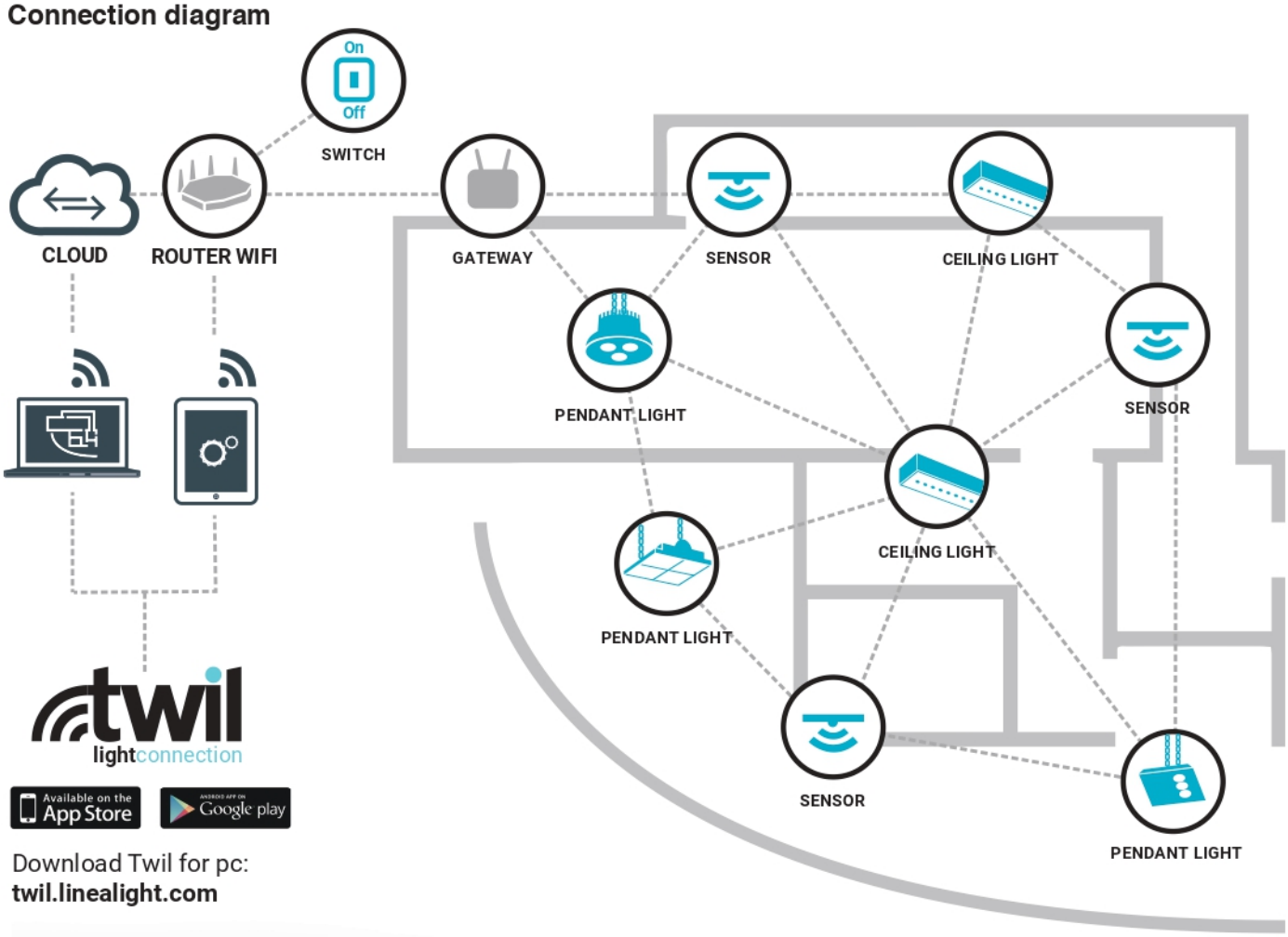
Code
83236



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

Connection diagram



Download Twil for pc:
twil.linealight.com

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
- 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

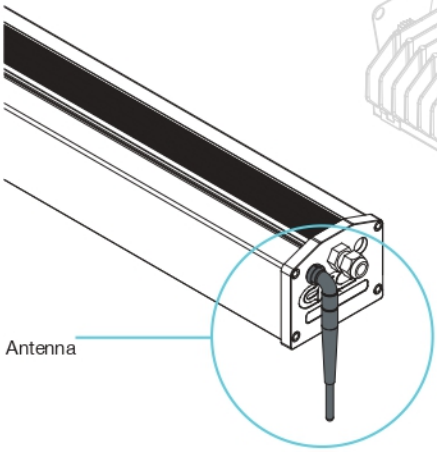
MONITORING
- Local: check on light and sensor operation
- Cloud: malfunction alert via email
- light consumption log (individual, Gateway and Systems)
- sensor operation log

Other information

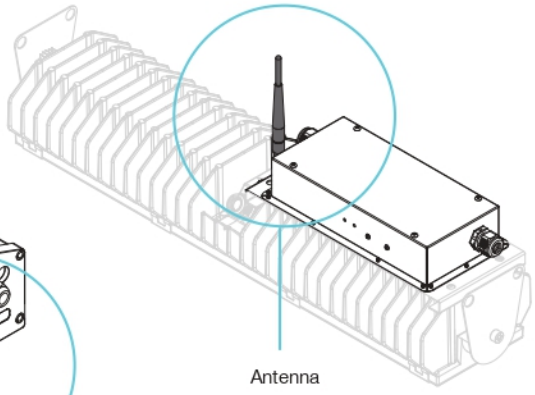
- The wireless range could be affected by metal surfaces in particular. The wireless range must be checked in these conditions.
- The Twil light connection app is available in the app store of your smartphone or tablet. The Twil light connection app is available for PCs on the website: **twil.linealight.com**
- 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

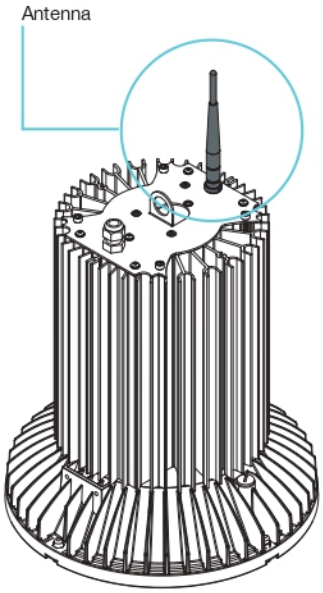
ALUX



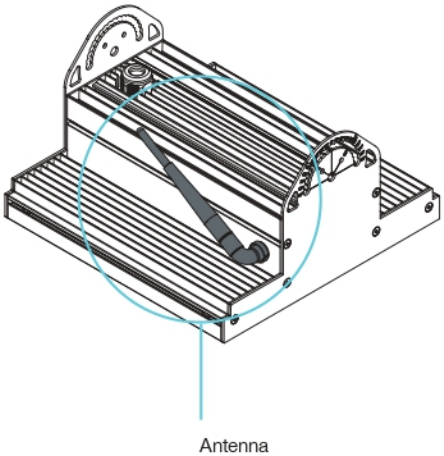
BIGLAMP



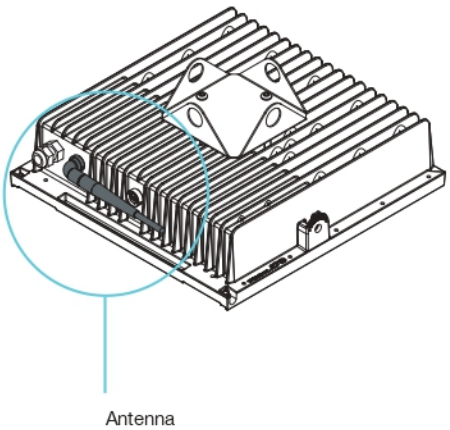
FLAMP



MULTILAMP



PROLAMP



SENSOR 83236

GATEWAY 83237