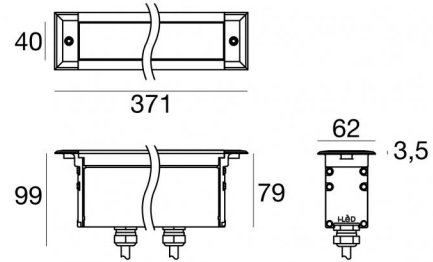




Lines | 220-240 V  
6 x powerLEDs 12.2 W DC - 13.5 W AC | CRI 80  
**81603N30**



Technical data	
Type	Frame
Installation position	Wall lights - Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Medium Flood
Light emission direction	upward
Nominal power	12.2 W DC
Total Power	13.5 W
Source lumens	1932 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	220 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	4000 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP67
IK	IK10
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	DALI
Directional	No
Tilting	No
Walk-over	Yes
Drive-over	No
Cable included	Yes
Cable length	0.2 m
Resin potting	No
Type of light emission	Single emission
Net weight	1.5 Kg
Electrostatic discharge protection	4 KV
Surge protection	6 KV
Product technological characteristics	Acquastop - TVS

### Finishing casing

Material	Aluminium 6060
Colour	Anodised Aluminum
Processing	20 µm anodizing

### Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent
Processing	Silk-screening

### Cables Electrification+signal

IP (locked condition)	68
Cable connector	Female Socket 5 Pin
Cable connector	Male Plug 5 Pin



Lines | 220-240 V | 6 x powerLEDs 12.2 W DC - 13.5 W AC | CRI 80 | Base  
81603N30

Single emission lines for outdoor application. The natural white LED light source with a medium flood light distribution is composed of 6 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1932 lm, with a 158.4 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 diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP67; the total weight is of 1.5 kg.

The total absorbed power is 13.5 W. The power supply cable is included and features a 0.2 m length.

The device features protection class I and can be wall lights or floor-mounted with an outer casing, code 98671 (for concrete or masonry).

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)	53 %
Source lumens	1932 lm
Delivered lumens	1037 lm
Consumption	13.5 W
Luminaire efficacy	76 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	1.5 Step
Colour rendering index	80 Ra

Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

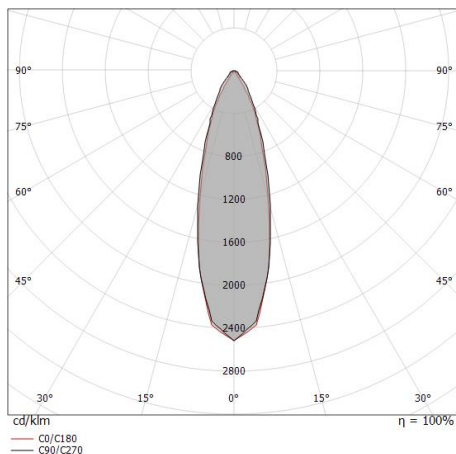
L70 B10 C0 361980h (at Tj 60 Ta 25 )

### UGR

UGR axial	18
UGR transversal	10.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	29°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.28 0.26	E(0°) 10432 E(C90) 15.4° 4678 E(C0) 14.5° 4781
1.0	0.55 0.52	E(0°) 2608 E(C90) 15.4° 1170 E(C0) 14.5° 1195
1.5	0.83 0.78	E(0°) 1159 E(C90) 15.4° 520 E(C0) 14.5° 531
2.0	1.10 1.03	E(0°) 652 E(C90) 15.4° 292 E(C0) 14.5° 299
2.5	1.38 1.29	E(0°) 417 E(C90) 15.4° 187 E(C0) 14.5° 191
3.0	1.65 1.55	E(0°) 290 E(C90) 15.4° 130 E(C0) 14.5° 133

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

— C0/C180 (Half-peak divergence: 29.0°)  
— C90/C270 (Half-peak divergence: 30.8°)



## 81603N30

		<p>Outer casing          installation position: wall lights, floor; type of installation: masonry L=356mm, H=138.3mm,          D=100.2mm.          Material:Iron, colour:zinc, processing:Galvanising.</p>	<p><b>Finish</b>          Grey</p>	<p><b>Code</b>          98671</p>
		<p>Cable and connector          Length 5000 mm.</p>		<p><b>Code</b>          99822</p>
		<p>Cable and connector          Length 1000 mm.</p>		<p><b>Code</b>          99823</p>
		<p>Cable and connector          Length 5000 mm.</p>		<p><b>Code</b>          99824</p>
		<p>Cable and connector          Length 10000 mm.</p>		<p><b>Code</b>          99825</p>
		<p>Cable and connector          Length 1000 mm.</p>		<p><b>Code</b>          99826</p>