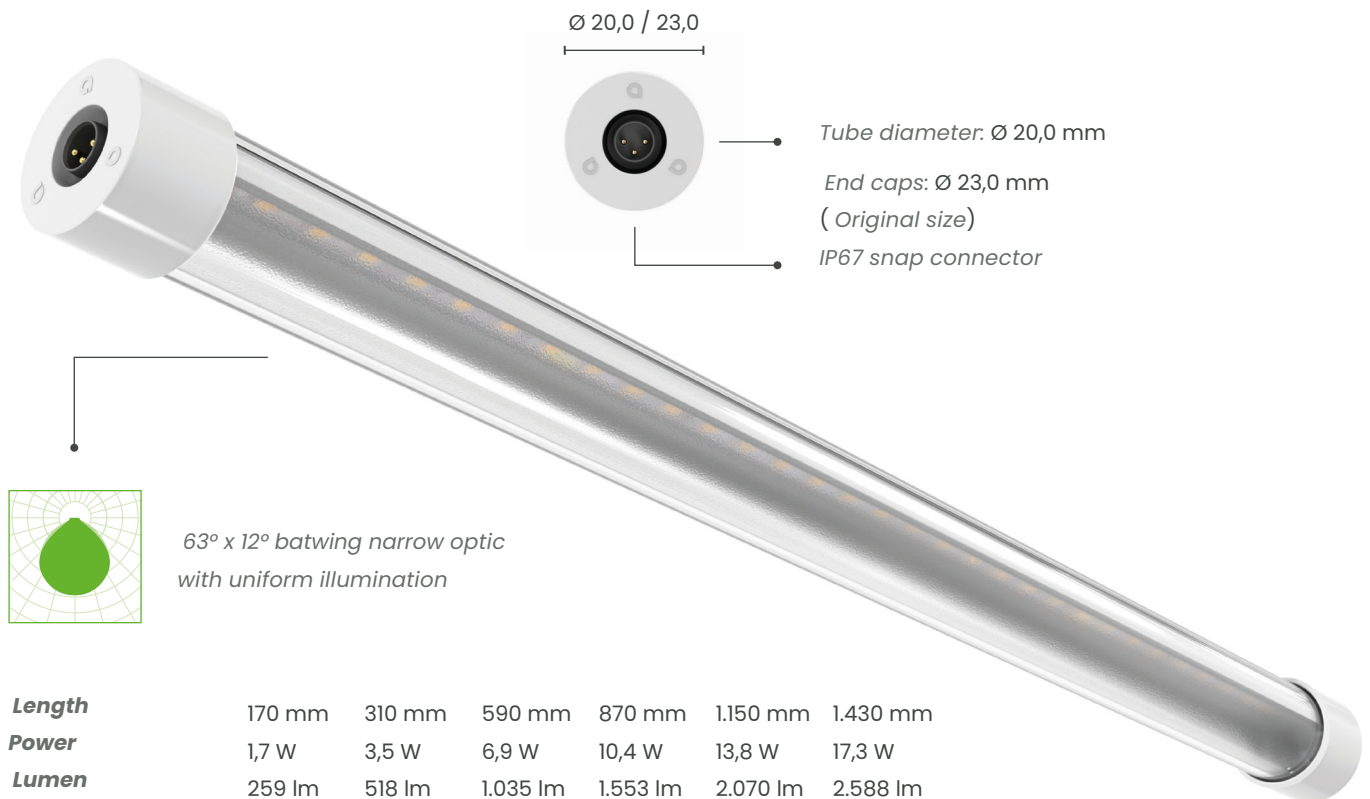


LTwo® OUTDOOR – IP67

100° diffuse

constant voltage 48V – 12 watt/m



Product description

LTwo® OUTDOOR – Light Tube with Optics in IP67 for outdoor use. Diffuse cover with max. 2,588 lumen, based on the modular, miniaturized LTwo® light source/luminaire system with 13 high-quality precision optics and extensive accessories for all lighting applications.

Simple and inexpensive installation with standard installation material. 360° freely rotatable for ideal alignment and maximum flexibility. With IP67 snap connector for quick and tool-free installation. Very environmentally friendly due to minimal use of material (250 g/m), interchangeability, recyclability and high efficiency (up to 178 lm/W). Ideally suited for high-quality architectural lighting in outdoor areas.

Product features



Legende / Legend

Dimensions

Ø 20,0 mm

Length

170 mm, 310 mm, 590 mm, 870 mm, 1.250 mm, 1.430 mm

Weight

53 g, 82 g, 142 g, 201 g, 260 g, 320 g

Housing colour

Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)

Wattages

1,7 W; 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W

Lumen @ 4.000 K

259 lm, 518 lm, 1.035 lm, 1.553 lm, 2.070 lm, 2.588 lm

Efficiency

149,7 lm/W (WW), 132,2 lm/W (BB)

Light distribution

100° diffuse

LED quantity

32 per 280 mm

UGR

WW: 24,5 / 25,3 & BB: 24,1 / 24,8 (4H|8H / 70|50|20 / @1.000 lm)

LED Pitch

8,75 mm

CCT / CRI

2.700 K, 3.000 K, 3.500 K, 4.000 K, 5.000 K (>90)

Binning

3 SDCM

Lifetime

60.000 h L80B10

Application

Ideal when uniform light distribution without hard shadows and with high efficiency is required.

Protection IP67 (Outdoor)

Risk group (IEC 62471:2006)

RG 0 (2.700 K – 4.000 K) | RG 1 (5.000 K)

Operating mode

Constant Voltage (CV)

Dimmable

Yes

Operating voltage

48 V DC -1,0 / +1,75

Housing temperature (Tc)

min. -20°C / max. +65°C

Ambient temperature (Ta)

min. -20°C / max. +45°C

Storage temperature (Ts)

min. -20°C / max. +85°C

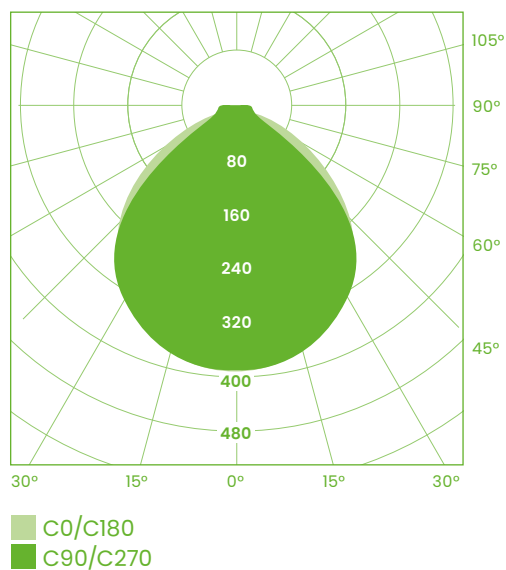
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	170 mm 1,7 W	310 mm 3,5 W	590 mm 6,9 W	870 mm 10,4 W	1.150 mm 13,8 W	1.430 mm 17,3 W	lm/W
>90	2.700 K	white	241 lm	482 lm	963 lm	1.445 lm	1.927 lm	2.409 lm	139,4
		black	213 lm	425 lm	850 lm	1.276 lm	1.701 lm	2.126 lm	123,0
>90	3.000 K	white	247 lm	494 lm	987 lm	1.481 lm	1.975 lm	2.468 lm	142,8
		black	218 lm	436 lm	871 lm	1.307 lm	1.743 lm	2.179 lm	126,1
>90	3.500 K	white	252 lm	503 lm	1.006 lm	1.510 lm	2.013 lm	2.516 lm	145,6
		black	222 lm	444 lm	888 lm	1.332 lm	1.777 lm	2.221 lm	128,5
>90	4.000 K	white	259 lm	518 lm	1.035 lm	1.553 lm	2.070 lm	2.588 lm	149,7
		black	228 lm	457 lm	914 lm	1.370 lm	1.827 lm	2.284 lm	132,2
>90	5.000 K	white	256 lm	513 lm	1.025 lm	1.538 lm	2.051 lm	2.564 lm	148,4
		black	226 lm	453 lm	905 lm	1.358 lm	1.810 lm	2.263 lm	130,9

Optical and electronic data have a tolerance of ±10 %.

The TC point must be measured at thermal equilibrium in accordance with IEC EN 60598-1

Light distribution



LTwo® OUTDOOR schwarz / black – 100° diffuse, 590 mm

Application

Ideal when uniform light distribution without hard shadows and with high efficiency is required.

Order code

Product	OP	NP	Optic	L	PC	C	LH	IP
APL-LTwoT5	CV	12	10				OD	IP67
				310	927	BB		
				590	930	WW		
				870	935			
				1150	940			
				1430	850			

OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

L = Length (mm)
 170-1430 = 170 mm | 10 mm | 90 mm | 70 mm | 150 mm | 430 mm
PC = Photometric code
 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K
C = Housing colour
 BB | WW = Black | White
LH = Luminaire holder
 OD = Outdoor
IP = Protection class
 IP67 = Suitable for outdoor use



Under the following link you will find the tender specification for the product:

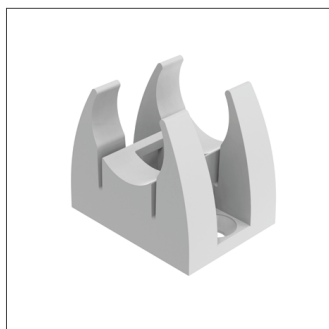
<https://apl.ag/products/>

LTwo® OUTDOOR accessories



2m Cable with 8mm snap connector for LTwo OUTDOOR

2m cable 22 AWG 3 Conductor in black with 8mm snap connector and open cable end. Compatible with all LTwo® OUTDOOR. + = brown, -1 = blue, -2 = black (-2 is for tunable white).



Mounting clip with lock for LTwo OUTDOOR in white

Mounting clip in white for LTwo® OUTDOOR. This mounting clip offers the option of securing the LTwo® OUTDOOR with a cable tie to prevent tool-free removal.



Mounting clip with lock for LTwo OUTDOOR in black

Mounting clip in black for LTwo® OUTDOOR. This mounting clip offers the option of securing the LTwo® OUTDOOR with a cable tie to prevent tool-free removal.



Mounting clip for LTwo OUTDOOR in white Mounting clip in white for LTwo® OUTDOOR.



Mounting clip for LTwo OUTDOOR in black Mounting clip in black for LTwo® OUTDOOR.