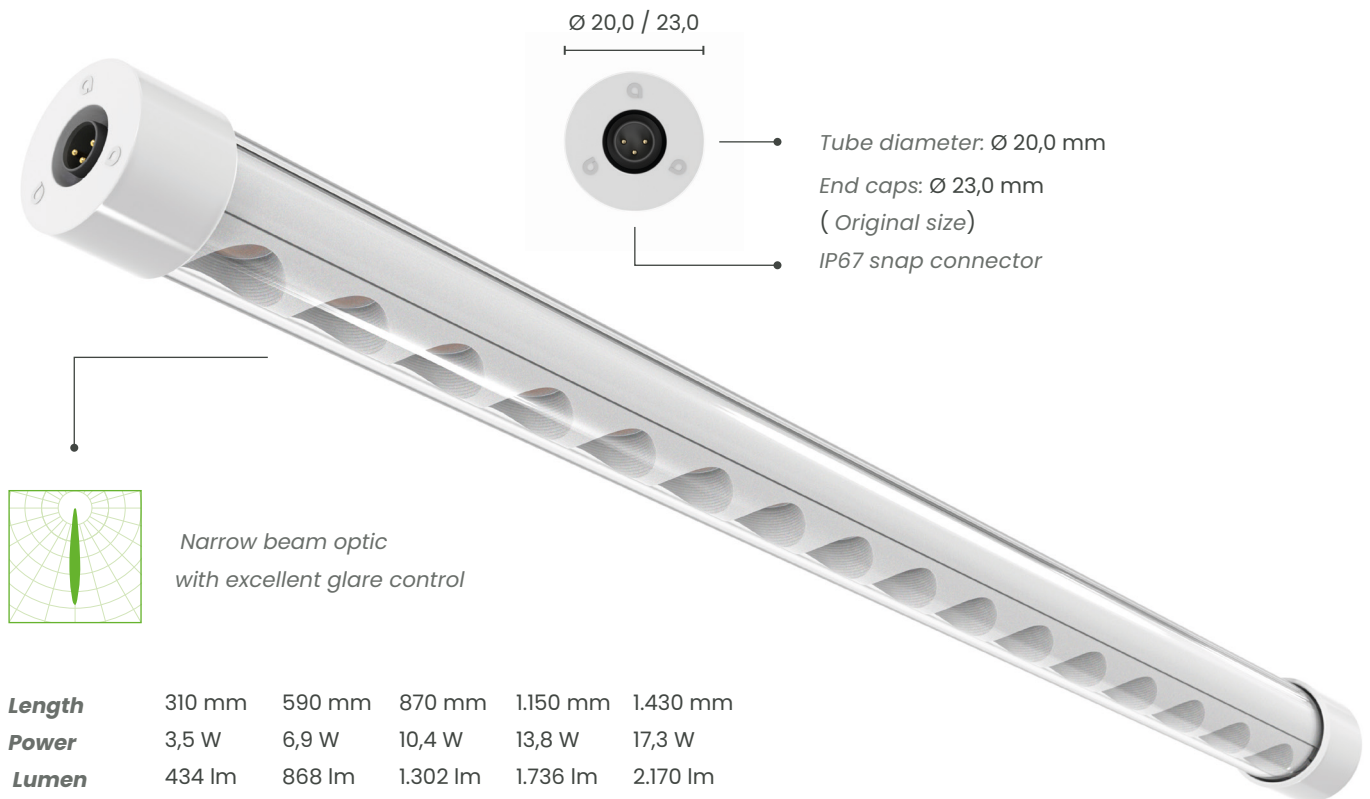


LTwo® OUTDOOR – IP67

13° spot

constant voltage 48V – 12 watt/m



Product description

LTwo® OUTDOOR – Light Tube with Optics in IP67 for outdoor use. Spot 13° optic with max. 2,170 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

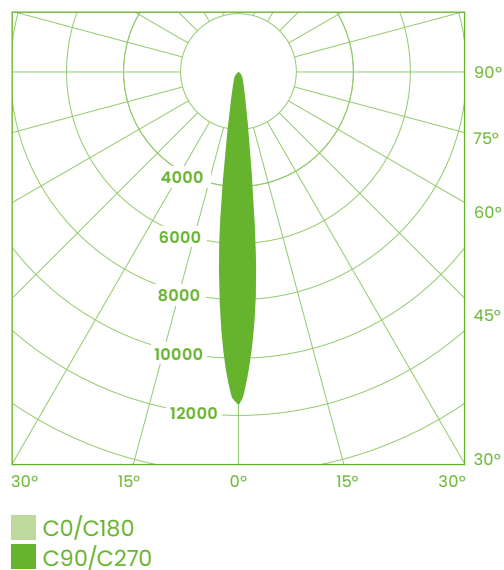
Dimensions Ø 20,0 mm	Binning 3 SDCM
Length 310 mm, 590 mm, 870 mm, 1.250 mm, 1.430 mm	Lifetime 60.000 h L80B10
Weight 58 g, 92 g, 161 g, 229 g, 297 g, 366 g	Application Ideal for highlighting indivi-dual objects and accentuating structures in architecture.
Housing colour White (WW, RAL9016) & Black (BB, RAL9005)	Protection IP67 (Outdoor)
Wattages 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W	Risk group (IEC 62471:2006) RG 0 (2.700 K – 4.000 K) RG 1 (5.000 K)
Lumen @ 5.000 K 434 lm, 868 lm, 1.302 lm, 1.736 lm, 2.170 lm	Operating mode Constant Voltage (CV)
Efficiency 125,6 lm/W (WW), 118,2 lm/W (BB)	Dimmable Yes
Light distribution 13° symmetrical	Operating voltage 48 V DC -1,0 / +1,75
LED quantity 16 per 280 mm	Housing temperature (Tc) min. -20°C / max. +65°C
UGR (<13) WW: 10,4 / 10,9 & BB: 10,2 / 10,7 (4H 8H / 70 50 20 / @1.000 lm)	Ambient temperature (Ta) min. -20°C / max. +45°C
LED Pitch 17,5 mm	Storage temperature (Ts) min. -20°C / max. +85°C
CCT / CRI 2.700 K, 3.000 K, 3.500 K, 4.000 K (>90), 5.000 K (>80)	

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	336 lm	672 lm	1.009 lm	1.345 lm	1.681 lm	97,3
		black	316 lm	633 lm	949 lm	1.265 lm	1.582 lm	91,5
>90	3.000 K	white	340 lm	680 lm	1.021 lm	1.361 lm	1.701 lm	98,5
		black	320 lm	640 lm	961 lm	1.281 lm	1.601 lm	92,6
>90	3.500 K	white	346 lm	693 lm	1.039 lm	1.385 lm	1.732 lm	100,2
		black	326 lm	652 lm	978 lm	1.304 lm	1.630 lm	94,3
>90	4.000 K	white	361 lm	721 lm	1.082 lm	1.442 lm	1.803 lm	104,3
		black	339 lm	679 lm	1.018 lm	1.357 lm	1.697 lm	98,2
>80	5.000 K	white	434 lm	868 lm	1.302 lm	1.736 lm	2.170 lm	125,6
		black	408 lm	817 lm	1.225 lm	1.634 lm	2.042 lm	118,2

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 – 13° spot, 590 mm

Application

Ideal for highlighting individual objects and accentuating structures in architecture.

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 | BWB = 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:

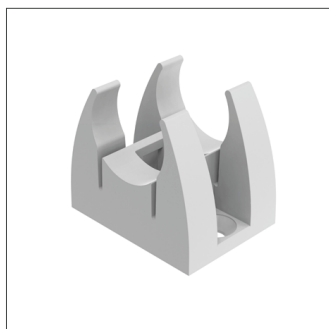
<https://apl.ag/products/>

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.