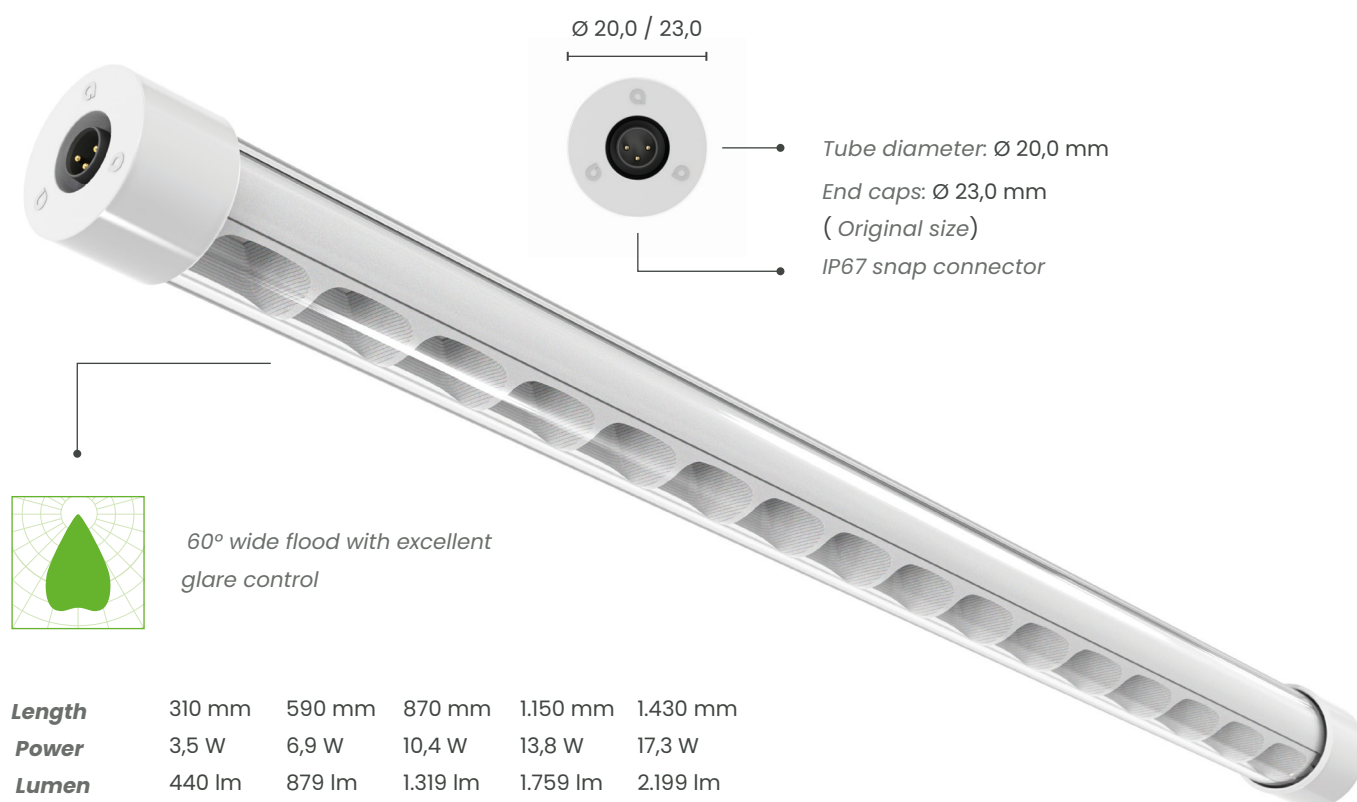


LTwo® OUTDOOR – IP67

60° wide flood

constant voltage 48V – 12 watt/m



Product description

LTwo® OUTDOOR – Light Tube with Optics in IP67 for out-door use. 60° wide flood optic with max. 2,199 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

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

Weight

55 g, 89 g, 158 g, 226 g, 294 g, 363 g

Housing colour

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

Wattages

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

Lumen @ 5.000 K

440 lm, 879 lm, 1.319 lm, 1.759 lm, 2.199 lm

Efficiency

127,2 lm/W (WW), 116,2 lm/W (BB)

Light distribution

60° symmetrical

LED quantity

16 per 280 mm

UGR (<16)

WW: 14,8 / 15,4 & BB: 14,5 / 15,1 (4H|8H / 70|50|20 / @1.000 lm)

LED Pitch

17,5 mm

CCT / CRI

2.700 K, 3.000 K, 3.500 K, 4.000 K (>90), 5.000 K (>80)

Binning

3 SDCM

Lifetime

60.000 h L80B10

Application

Ideal for uniform general lighting in offices, conference rooms and retail spaces. Fulfills the requirements of DIN standard 12464-1.

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

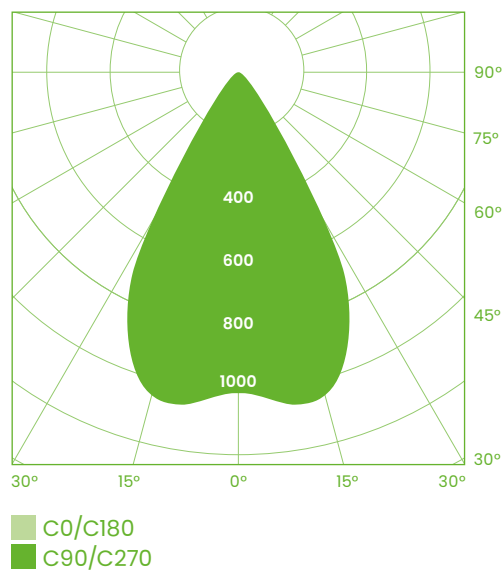
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	341 lm	681 lm	1.022 lm	1.363 lm	1.703 lm	98,6
		black	311 lm	622 lm	933 lm	1.245 lm	1.556 lm	90,0
>90	3.000 K	white	345 lm	690 lm	1.034 lm	1.379 lm	1.724 lm	99,8
		black	315 lm	630 lm	945 lm	1.260 lm	1.575 lm	91,1
>90	3.500 K	white	351 lm	702 lm	1.053 lm	1.404 lm	1.755 lm	101,6
		black	321 lm	641 lm	962 lm	1.282 lm	1.603 lm	92,8
>90	4.000 K	white	365 lm	731 lm	1.096 lm	1.462 lm	1.827 lm	105,7
		black	334 lm	668 lm	1.001 lm	1.335 lm	1.669 lm	96,6
>80	5.000 K	white	440 lm	879 lm	1.319 lm	1.759 lm	2.199 lm	127,2
		black	402 lm	803 lm	1.205 lm	1.607 lm	2.008 lm	116,2

Optical and electronic data have a tolerance of $\pm 10\%$.

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

Light distribution



LTwo® OUTDOOR schwarz / black – 60° wide flood, 590 mm

Application

Ideal for uniform general lighting in offices, conference rooms and retail spaces. Fulfills the requirements of DIN standard 12464-1.

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:

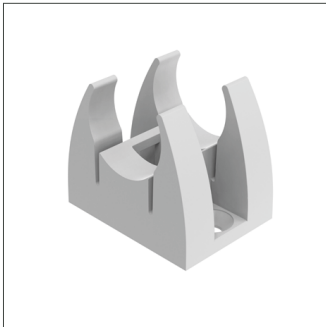
<https://apl.ag/products/>

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.