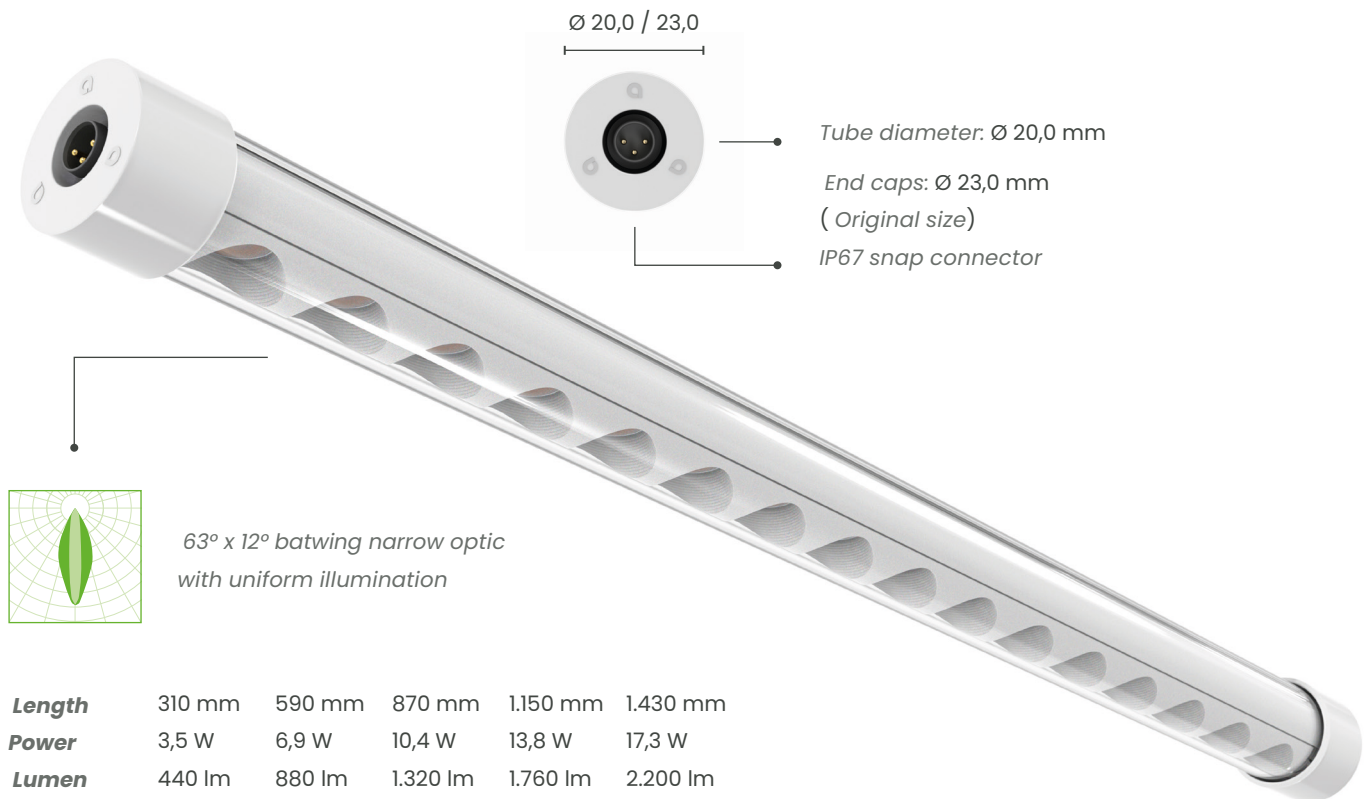


LTwo® OUTDOOR – IP67

13° x 40° oval

constant voltage 48V – 12 watt/m



Product description

LTwo® OUTDOOR – Light Tube with Optics in IP67 for out-door use. 13° x 40° oval optic with max. 2,200 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

58 g, 92 g, 161 g, 229 g, 297 g, 366 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, 880 lm, 1.320 lm, 1.760 lm, 2.200 lm

Efficiency

127,3 lm/W (WW), 115,5 lm/W (BB)

Light distribution

13° x 40° oval

LED quantity

16 per 280 mm

UGR (<16)

WW: 13,3 / 15,8 & BB: 13,0 / 15,4 (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 grazing light applications to emphasize surface structures on walls or facades.

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 (T_c)

min. -20°C / max. +65°C

Ambient temperature (T_a)

min. -20°C / max. +45°C

Storage temperature (T_s)

min. -20°C / max. +85°C

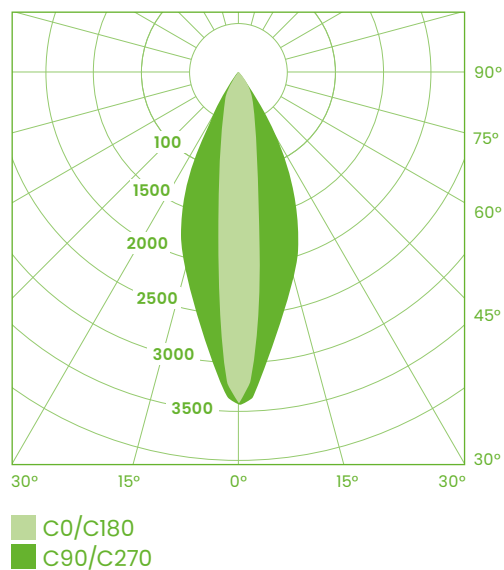
Length, lumen, watt

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	682 lm	1.023 lm	1.363 lm	1.704 lm	98,6
		black	309 lm	618 lm	928 lm	1.237 lm	1.546 lm	89,5
>90	3.000 K	white	345 lm	690 lm	1.035 lm	1.380 lm	1.725 lm	99,8
		black	313 lm	626 lm	939 lm	1.252 lm	1.565 lm	90,6
>90	3.500 K	white	351 lm	702 lm	1.054 lm	1.405 lm	1.756 lm	101,6
		black	319 lm	637 lm	956 lm	1.274 lm	1.593 lm	92,2
>90	4.000 K	white	366 lm	731 lm	1.097 lm	1.463 lm	1.828 lm	105,8
		black	332 lm	663 lm	995 lm	1.327 lm	1.659 lm	96,0
>80	5.000 K	white	440 lm	880 lm	1.320 lm	1.760 lm	2.200 lm	127,3
		black	399 lm	798 lm	1.198 lm	1.597 lm	1.996 lm	115,5

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° x 40° oval, 590 mm

Application

Ideal for grazing light applications to emphasize surface structures on walls or facades.

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.