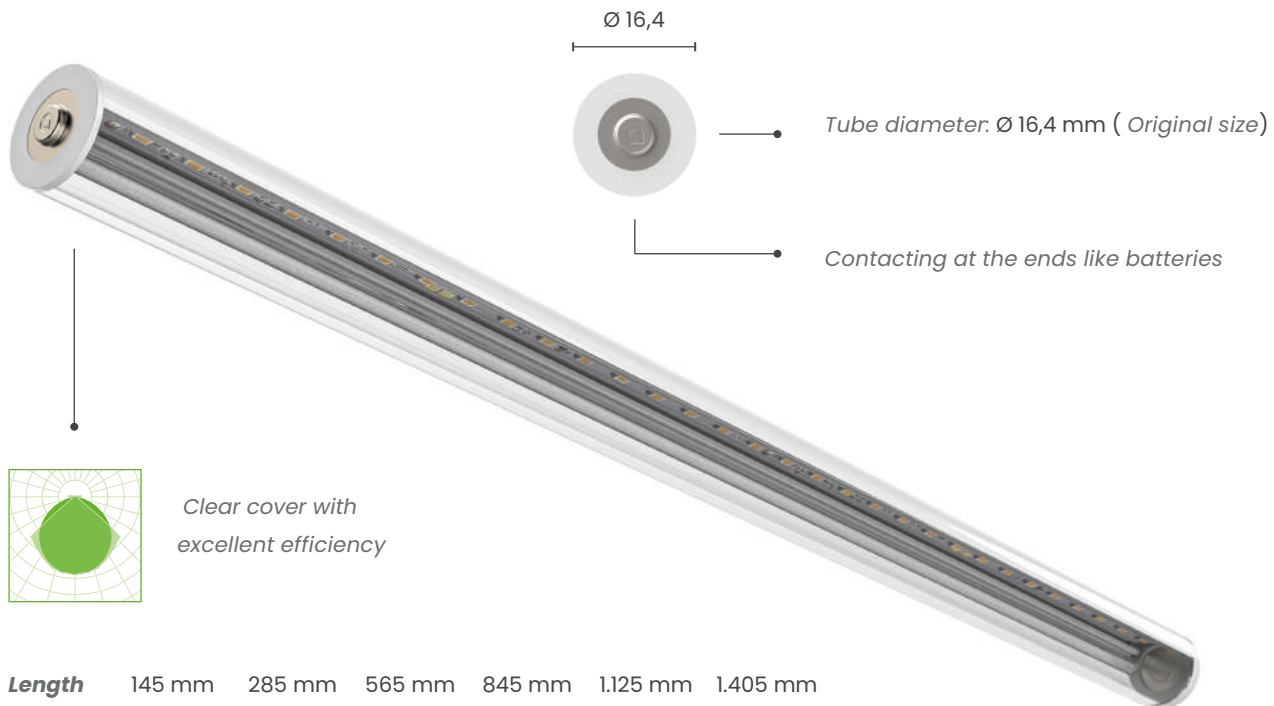


LTwo® BATTERY – 100° clear

constant voltage 48V – 12 watt/m



Length	145 mm	285 mm	565 mm	845 mm	1.125 mm	1.405 mm
Power	1,7 W	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen	287 lm	574 lm	1.147 lm	1.721 lm	2.294 lm	2.868 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. Clear cover with max. 4,639 lumen, based on the mo-dular, miniaturised LTwo® light source/luminaire system with 13 high-quality precision optics and extensive accessories for all lighting applications.

Like batteries, the electrical connection is made at the ends using inexpensive and commercially available battery con-nectors. This makes it particularly easy to replace the LTwo® BATTERY without tools. 360° freely rotatable for ideal align-ment and maximum flexibility.

Very environmentally friendly due to minimal use of material (181 g/m), interchangeability, recyclability and high efficien-cy (up to 193 lm/W). Ideally suited for building and material integration as well as the construction of luminaires or use with a wide range of accessories from apl.

Product features



Legende / Legend

Dimensions

Ø 16,4 mm

Length

145 mm, 285 mm, 565 mm, 845 mm, 1.125 mm, 1.405 mm

Weight

26 g, 47 g, 90 g, 133 g, 176 g, 219 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

287 lm, 574 lm, 1.147 lm, 1.721 lm, 2.294 lm, 2.868 lm

Efficiency

166 lm/W (WW), 147,8 lm/W (BB)

Light distribution

100° clear

LED quantity

32 per 280 mm

UGR

WW: 23,3 / 27,0 & BB: 22,3 / 26,8 (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 a lot of light, with high efficiency and without special glare control requirements is needed.

Protection

IP40 (Nur für Innenräume / Indoor use only)

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. +80°C

Ambient temperature (T_a)

min. -20°C / max. +45°C

Storage temperature (T_s)

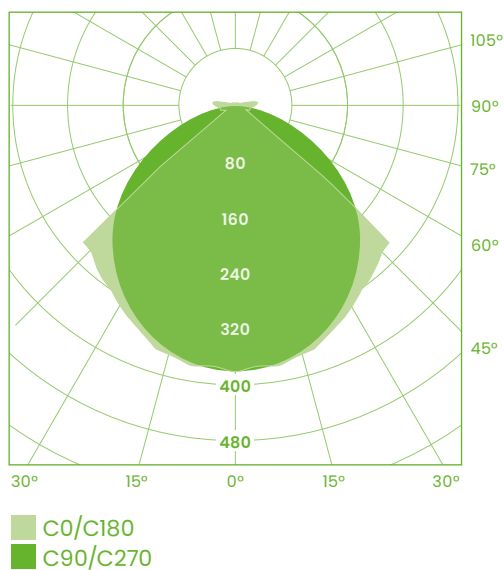
min. -20°C / max. +85°C

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	145 mm 1,7 W	285 mm 3,5 W	565 mm 6,9 W	845 mm 10,4 W	1.125 mm 13,8 W	1.405 mm 17,3 W	lm/W
>90	2.700 K	white	267 lm	534 lm	1.068 lm	1.602 lm	2.136 lm	2.670 lm	154,5
		black	238 lm	475 lm	951 lm	1.426 lm	1.902 lm	2.377 lm	137,6
>90	3.000 K	white	274 lm	547 lm	1.094 lm	1.641 lm	2.188 lm	2.736 lm	158,3
		black	244 lm	487 lm	975 lm	1.462 lm	1.949 lm	2.436 lm	141,0
>90	3.500 K	white	279 lm	558 lm	1.115 lm	1.673 lm	2.231 lm	2.788 lm	161,4
		black	248 lm	497 lm	993 lm	1.490 lm	1.987 lm	2.483 lm	143,7
>90	4.000 K	white	287 lm	574 lm	1.147 lm	1.721 lm	2.294 lm	2.868 lm	166,0
		black	255 lm	511 lm	1.022 lm	1.532 lm	2.043 lm	2.554 lm	147,8
>90	5.000 K	white	284 lm	568 lm	1.137 lm	1.705 lm	2.273 lm	2.841 lm	164,4
		black	253 lm	506 lm	1.012 lm	1.518 lm	2.024 lm	2.530 lm	146,4

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® BATTERY schwarz / black - 100° clear, 565 mm

Application

Ideal when a lot of light, with high efficiency and without special glare control requirements is needed.

Order code

Product	OP	NP	Optic	L	PC	C	LH	IP
APL-LTwoT5	CV	20	10				BC	IP40
				285	927	BB		
				565	930	WW		
				845	935			
				1125	940			
				1405	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 | BWV = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

L = Length (mm)
 145-1405 = 145 mm | 85 mm | 65 mm | 45 mm | 125 mm | 405 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
 BC = Battery contact
IP = Protection class
 IP40 = Indoor use only



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

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

General information about LTwo® applications and accessories

LTwo® is a highly innovative and disruptive light source with a modular character that allows you to use existing accessories, future accessories or accessories developed specifically for your project to open up all kinds of lighting applications, from decorative and accent lighting to task lighting and sophisticated museum lighting or the illumination of concert halls and auditoriums, for example.

LTwo® is available in different lampholder types and connection options. The variant with the magnetic lampholder LTwo® MAG offers the most versatile installation accessories. The product can be easily assembled, swivelled in the lampholder by $\pm 20^\circ$ and held in place with a safety lock. A purely mechanical lampholder (LTwo® MCH) is currently in the design phase. A battery-like lamp holder (LTwo® BATTERY) offers a very cost-effective solution for OEM designs. LTwo® PENDANT is available as a pendant luminaire with current-carrying suspension wires. The 8 mm snap connector with IP67 protection is used for the LTwo® OUTDOOR luminaire.

LTwo® MAGNETIC



LTwo® BATTERY



LTwo® PENDANT



LTwo® OUTDOOR

