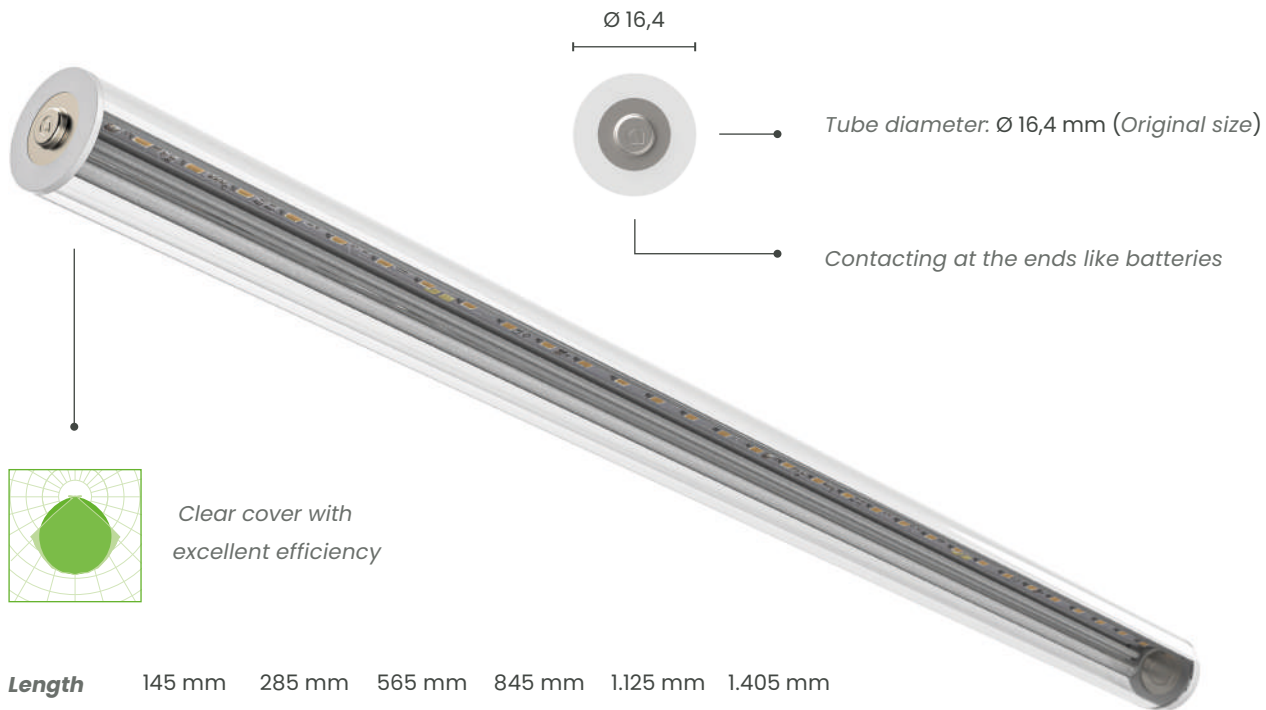


LTwo® BATTERY – 100° clear

constant voltage 48V – 20 watt/m



Length	145 mm	285 mm	565 mm	845 mm	1.125 mm	1.405 mm
Power	3,0 W	6,0 W	11,9 W	17,9 W	23,8 W	29,8 W
Lumen	464 lm	928 lm	1.855 lm	2.783 lm	3.711 lm	4.639 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

White (WW, RAL9016) & Black (BB, RAL9005)

Wattages

3,0 W; 6,0 W; 11,9 W; 17,9 W; 23,8 W; 29,8 W

Lumen @ 4.000 K

464 lm, 928 lm, 1.855 lm, 2.783 lm, 3.711 lm, 4.639 lm

Efficiency

155,9 lm/W (WW), 138,8 lm/W (BB)

Light distribution

100° clear

LED quantity

32 per 280 mm

UGR

WW: 25,0 / 28,7 & BB: 24,0 / 28,4 (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 (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. +40°C

Storage temperature (T_s)

min. -20°C / max. +85°C

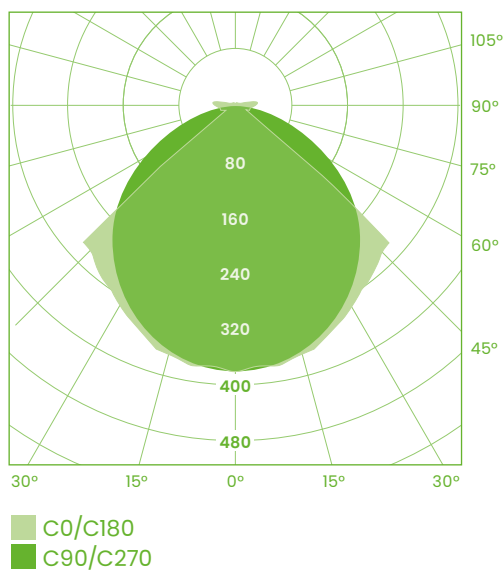
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	145 mm 3,0 W	285 mm 6,0 W	565 mm 11,9 W	845 mm 17,9 W	1.125 mm 23,8 W	1.405 mm 29,8 W	lm/W
>90	2.700 K	white	435 lm	870 lm	1.739 lm	2.609 lm	3.478 lm	4.348 lm	146,1
		black	387 lm	774 lm	1.549 lm	2.323 lm	3.098 lm	3.872 lm	130,1
>90	3.000 K	white	443 lm	885 lm	1.771 lm	2.656 lm	3.542 lm	4.427 lm	148,8
		black	394 lm	789 lm	1.577 lm	2.366 lm	3.154 lm	3.943 lm	132,5
>90	3.500 K	white	453 lm	907 lm	1.813 lm	2.720 lm	3.626 lm	4.533 lm	152,3
		black	404 lm	807 lm	1.615 lm	2.422 lm	3.230 lm	4.037 lm	135,7
>90	4.000 K	white	464 lm	928 lm	1.855 lm	2.783 lm	3.711 lm	4.639 lm	155,9
		black	413 lm	826 lm	1.652 lm	2.479 lm	3.305 lm	4.131 lm	138,8
>90	5.000 K	white	460 lm	920 lm	1.840 lm	2.759 lm	3.679 lm	4.599 lm	154,5
		black	410 lm	819 lm	1.638 lm	2.457 lm	3.277 lm	4.096 lm	137,6

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

The T_c 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 | BWW = 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

