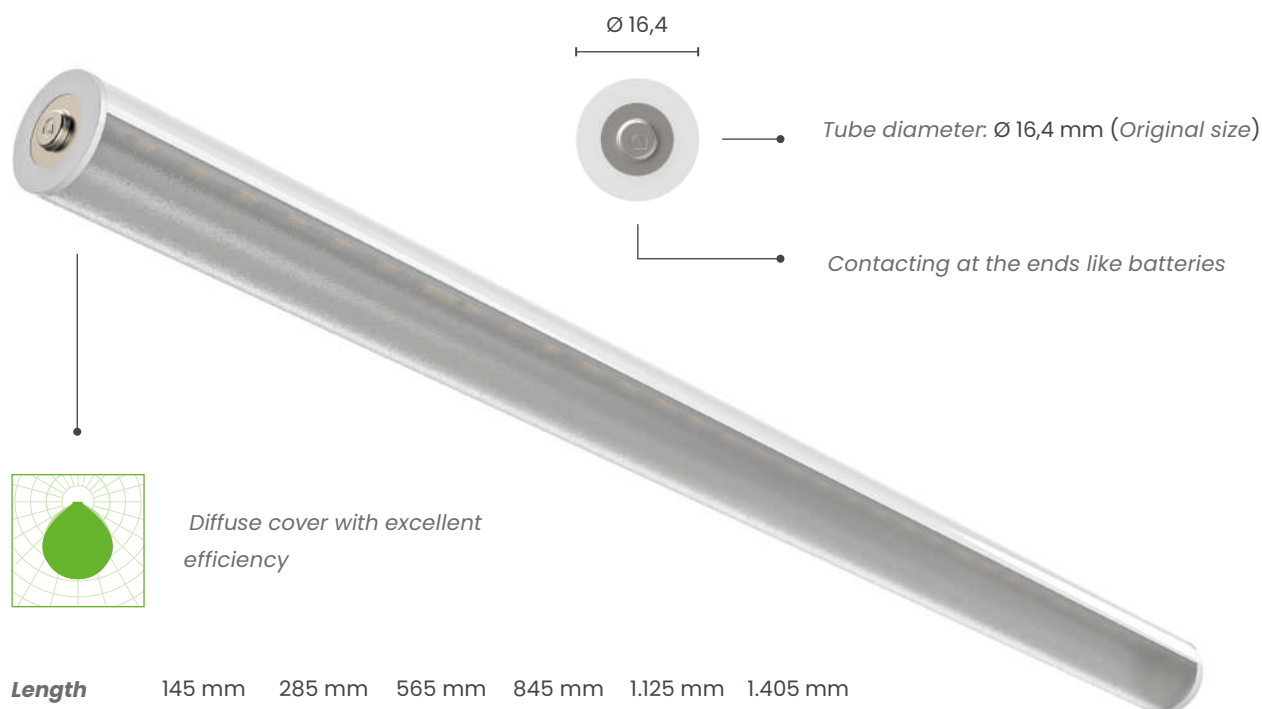


LTwo® BATTERY – 100° diffuse

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	455 lm	910 lm	1.820 lm	2.730 lm	3.639 lm	4.549 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. Diffuse cover with max. 4,549 lumen, based on the modular, miniaturised LTwo® light source/luminaire system with 13 high-quality precision optics and extensive accesso-ries 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

455 lm, 910 lm, 1.820 lm, 2.730 lm, 3.639 lm, 4.549 lm

Efficiency

152,9 lm/W (WW), 134,9 lm/W (BB)

Light distribution

100° diffuse

LED quantity

32 per 280 mm

UGR

WW: 25,6 / 27,9 & BB: 24,4 / 27,6 (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 uniform light distribution without hard shadows and with high efficiency is required.

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 (Tc)

min. -20°C / max. +80°C

Ambient temperature (Ta)

min. -20°C / max. +40°C

Storage temperature (Ts)

min. -20°C / max. +85°C

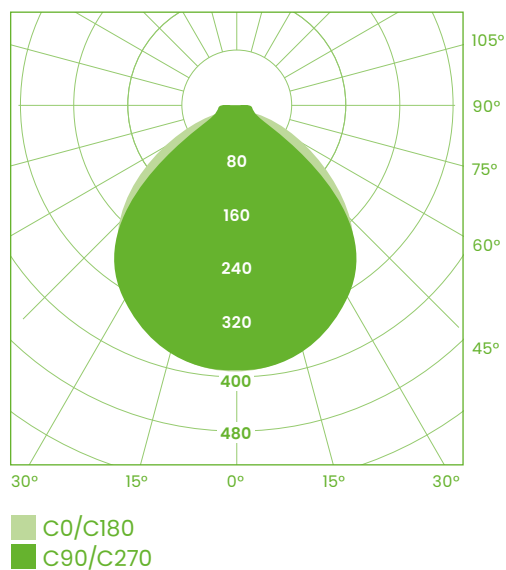
Length, lumen, watt

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	426 lm	853 lm	1.706 lm	2.558 lm	3.411 lm	4.264 lm	143,3
		black	376 lm	753 lm	1.505 lm	2.258 lm	3.011 lm	3.764 lm	126,5
>90	3.000 K	white	434 lm	868 lm	1.737 lm	2.605 lm	3.474 lm	4.342 lm	145,9
		black	383 lm	766 lm	1.533 lm	2.299 lm	3.066 lm	3.832 lm	128,8
>90	3.500 K	white	445 lm	889 lm	1.778 lm	2.667 lm	3.556 lm	4.446 lm	149,4
		black	392 lm	785 lm	1.570 lm	2.354 lm	3.139 lm	3.924 lm	131,8
>90	4.000 K	white	455 lm	910 lm	1.820 lm	2.730 lm	3.639 lm	4.549 lm	152,9
		black	402 lm	803 lm	1.606 lm	2.409 lm	3.212 lm	4.015 lm	134,9
>90	5.000 K	white	451 lm	902 lm	1.804 lm	2.706 lm	3.608 lm	4.510 lm	151,6
		black	398 lm	796 lm	1.592 lm	2.389 lm	3.185 lm	3.981 lm	133,8

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° diffuse, 565 mm

Application

Ideal when uniform light distribution without hard shadows and with high efficiency is required.

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

