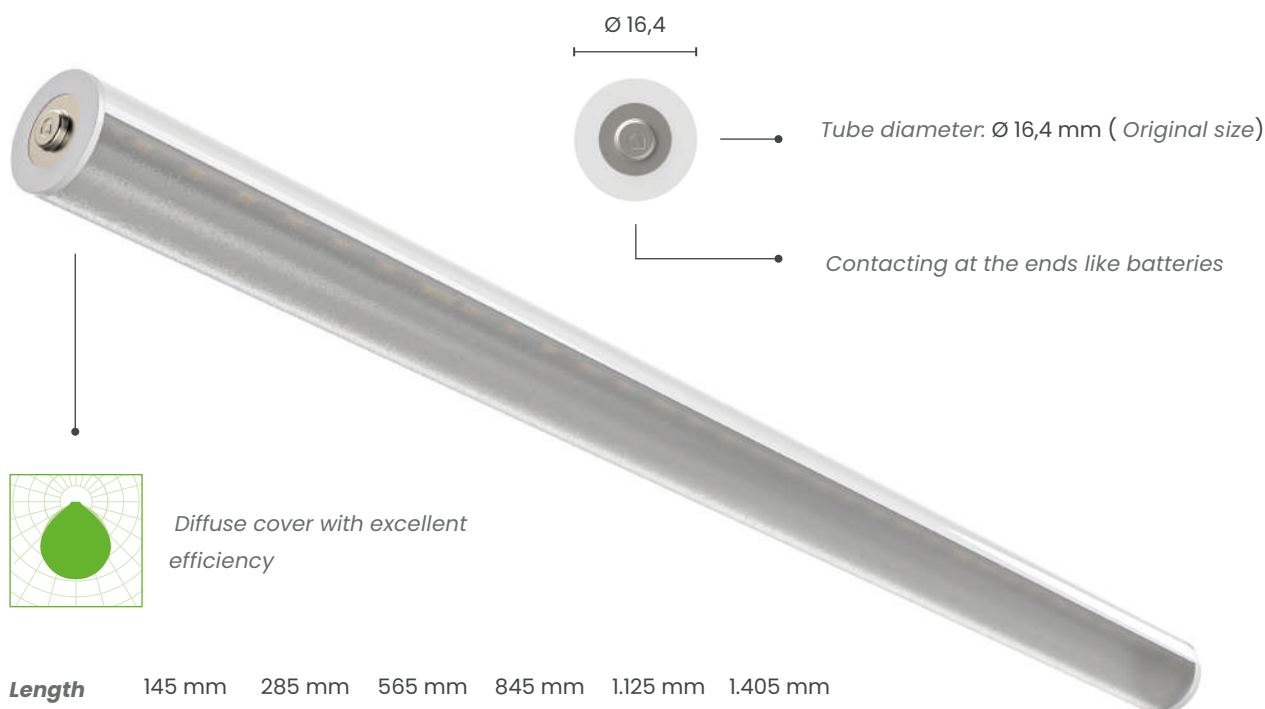


LTwo® BATTERY – 100° diffuse

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	281 lm	563 lm	1.125 lm	1.688 lm	2.250 lm	2.813 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

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

Wattagen / Wattages

1,7 W; 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W

Lumen @ 4.000 K

281 lm, 563 lm, 1.125 lm, 1.688 lm, 2.250 lm, 2.813 lm

Efficiency

162,8 lm/W (WW), 143,7 lm/W (BB)

Light distribution

100° diffuse

LED quantity

32 per 280 mm

UGR

WW: 24,0 / 26,3 & BB: 22,7 / 25,9 (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 (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

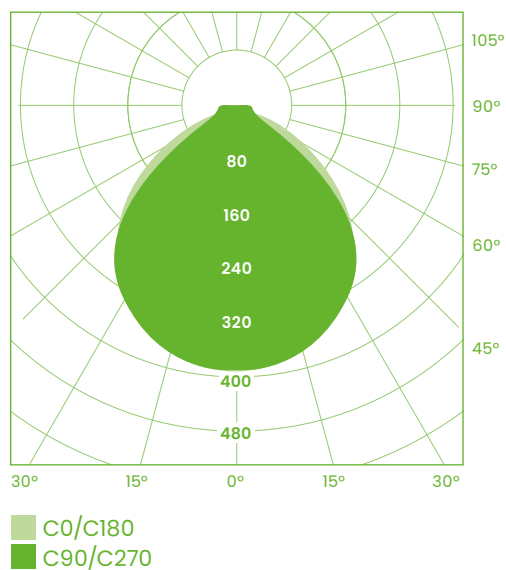
Length, lumen, watt

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	262 lm	524 lm	1.047 lm	1.571 lm	2.094 lm	2.618 lm	151,5
		black	231 lm	462 lm	924 lm	1.386 lm	1.849 lm	2.311 lm	133,7
>90	3.000 K	white	268 lm	537 lm	1.073 lm	1.610 lm	2.146 lm	2.683 lm	155,3
		black	237 lm	474 lm	947 lm	1.421 lm	1.894 lm	2.368 lm	137,0
>90	3.500 K	white	273 lm	547 lm	1.094 lm	1.641 lm	2.188 lm	2.735 lm	158,3
		black	241 lm	483 lm	966 lm	1.448 lm	1.931 lm	2.414 lm	139,7
>90	4.000 K	white	281 lm	563 lm	1.125 lm	1.688 lm	2.250 lm	2.813 lm	162,8
		black	248 lm	496 lm	993 lm	1.489 lm	1.986 lm	2.482 lm	143,7
>90	5.000 K	white	279 lm	557 lm	1.115 lm	1.672 lm	2.229 lm	2.787 lm	161,3
		black	246 lm	492 lm	984 lm	1.476 lm	1.968 lm	2.460 lm	142,3

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° 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

