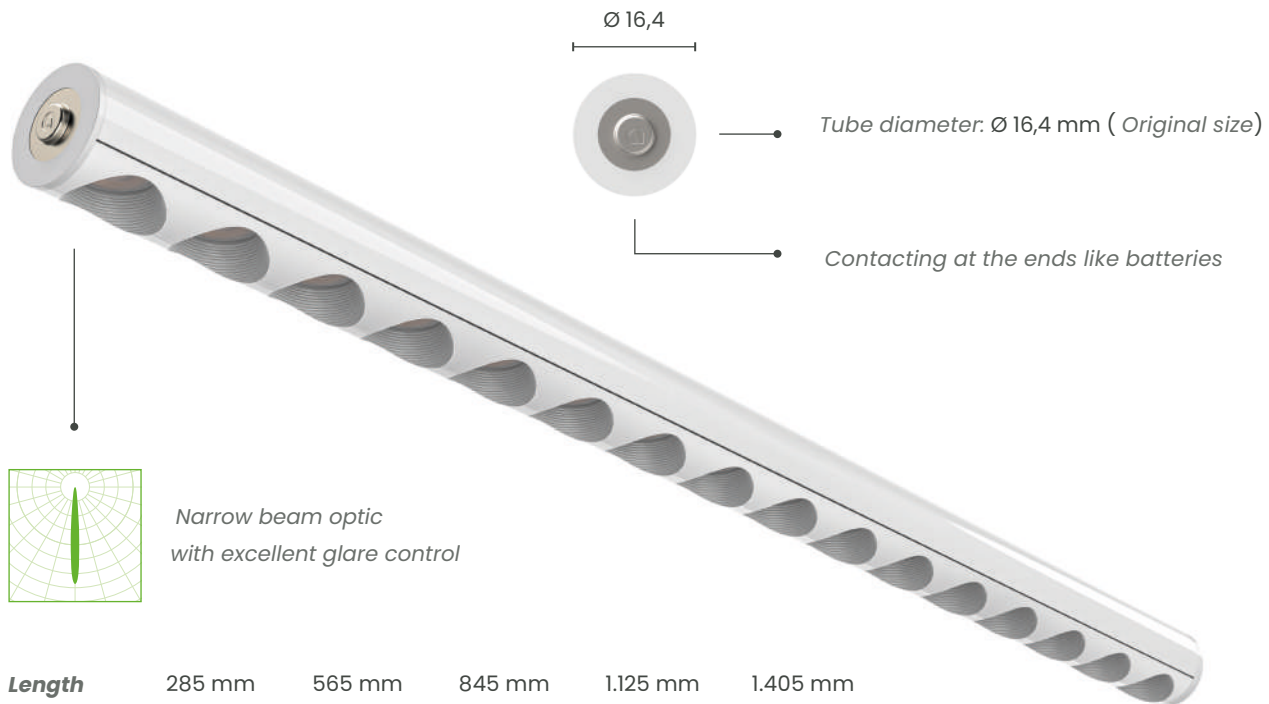


LTwo® BATTERY – 10° high bay

constant voltage 48V – 20 watt/m



Length	285 mm	565 mm	845 mm	1.125 mm	1.405 mm
Power	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
Lumen	770 lm	1.540 lm	2.311 lm	3.081 lm	3.851 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. 10° high bay optic with max. 3,851 lumen, based on the modular, 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 connectors. This makes it particularly easy to replace the LTwo® BATTERY without tools. 360° freely rotatable for ideal alignment and maximum flexibility.

Very environmentally friendly due to minimal use of material (181 g/m), interchangeability, recyclability and high efficiency (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

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

Weight

57 g, 109 g, 161 g, 213 g, 265 g

Housing colour

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

Wattages

5,8 W; 11,7 W; 17,5 W; 23,3 W; 29,2 W

Lumen @ 5.000 K

770 lm, 1.540 lm, 2.311 lm, 3.081 lm, 3.851 lm

Efficiency

132,1 lm/W (WW), 124,6 lm/W (BB)

Light distribution

10° symmetrical

LED quantity

16 per 280 mm

UGR (<13)

WW: 9,8 / 10,3 & BB: -3,7 / -7,0 (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 lighting from a great height.

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

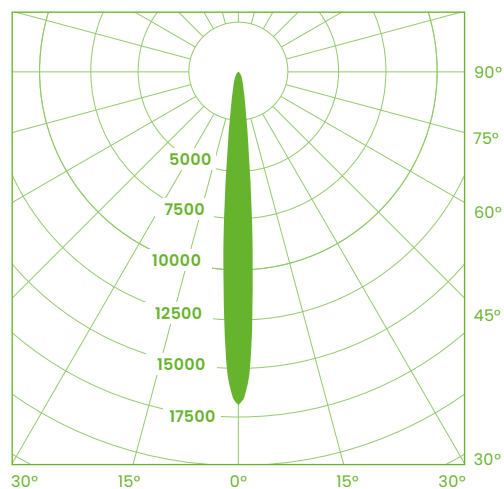
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	285 mm 5,8 W	565 mm 11,7 W	845 mm 17,5 W	1.125 mm 23,5 W	1.405 mm 29,2 W	lm/W
>90	2.700 K	white	596 lm	1.193 lm	1.789 lm	2.386 lm	2.982 lm	102,3
		black	563 lm	1.126 lm	1.689 lm	2.252 lm	2.815 lm	96,5
>90	3.000 K	white	606 lm	1.211 lm	1.817 lm	2.423 lm	3.028 lm	103,8
		black	572 lm	1.143 lm	1.715 lm	2.286 lm	2.858 lm	98,0
>90	3.500 K	white	615 lm	1.230 lm	1.844 lm	2.459 lm	3.074 lm	105,4
		black	580 lm	1.160 lm	1.741 lm	2.321 lm	2.901 lm	99,5
>90	4.000 K	white	642 lm	1.284 lm	1.927 lm	2.569 lm	3.211 lm	110,1
		black	606 lm	1.212 lm	1.818 lm	2.424 lm	3.031 lm	103,9
>80	5.000 K	white	770 lm	1.540 lm	2.311 lm	3.081 lm	3.851 lm	132,1
		black	727 lm	1.454 lm	2.181 lm	2.908 lm	3.634 lm	124,6

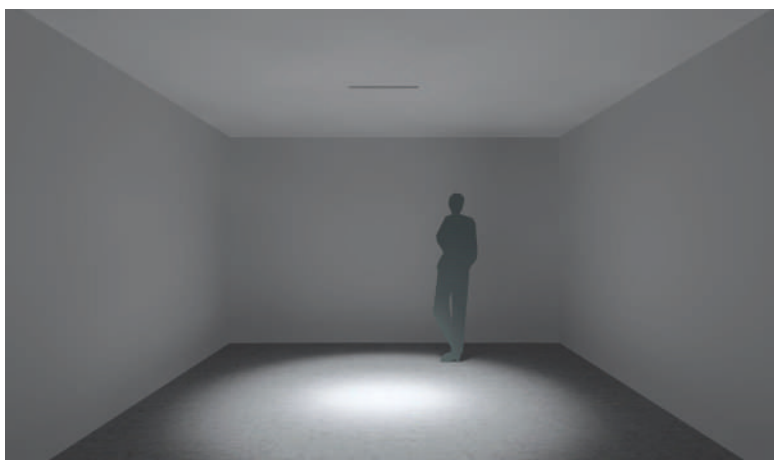
Optical and electronic data have a tolerance of $\pm 10\%$.

The TC point must be measured at thermal equilibrium in accordance with IEC EN 60598-1

Light distribution



■ C0/C180
■ C90/C270



LTwo® BATTERY schwarz / black – 10° high bay, 565 mm

Application

Ideal for lighting from a great height.

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

