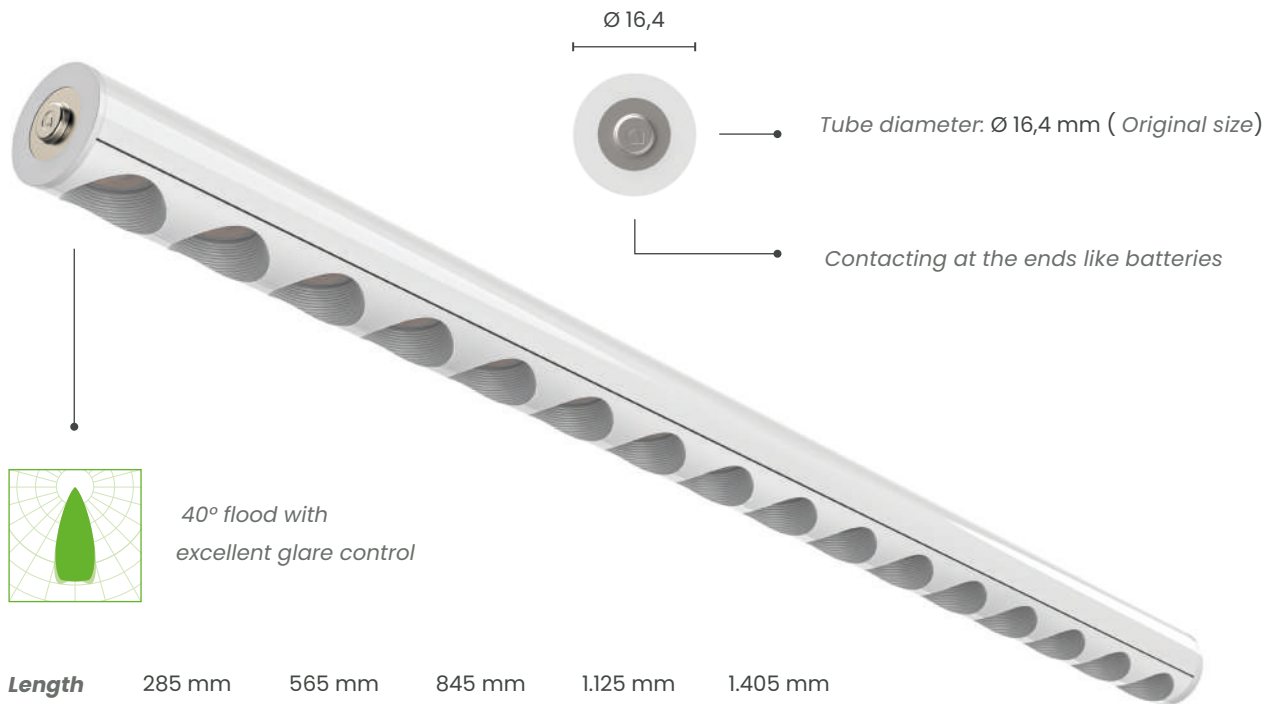


LTwo® BATTERY – 40° flood

constant voltage 48V – 12 watt/m



Length	285 mm	565 mm	845 mm	1.125 mm	1.405 mm
Power	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen	467 lm	934 lm	1.401 lm	1.868 lm	2.335 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. 40° flood optic with max. 3,678 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

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

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

Lumen @ 5.000 K

465 lm, 930 lm, 1.395 lm, 1.860 lm, 2.325 lm

Efficiency

134,5 lm/W (WW), 121,4 lm/W (BB)

Light distribution

40° symmetrical

LED quantity

16 per 280 mm

UGR (<16)

WW: 12,9 / 13,2 & BB: 8,3 / 8,0 (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 illuminating specific areas without scattering the light too much. It is used to create accent lighting or for higher ceilings.

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. +45°C

Storage temperature (T_s)

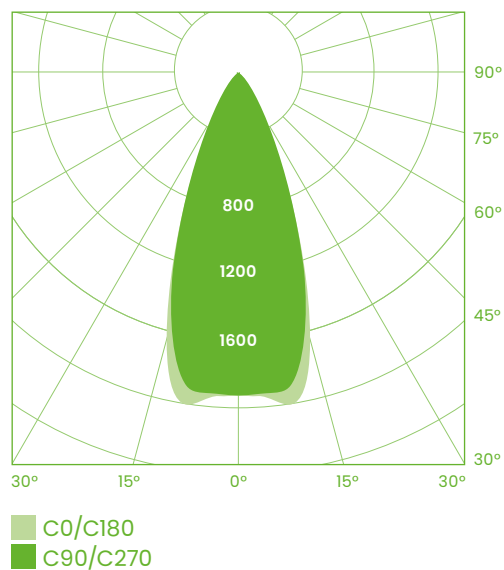
min. -20°C / max. +85°C

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	360 lm	720 lm	1.080 lm	1.441 lm	1.801 lm	104,2
		black	325 lm	650 lm	975 lm	1.300 lm	1.624 lm	94,0
>90	3.000 K	white	365 lm	729 lm	1.094 lm	1.458 lm	1.823 lm	105,5
		black	329 lm	658 lm	986 lm	1.315 lm	1.644 lm	95,1
>90	3.500 K	white	371 lm	742 lm	1.113 lm	1.484 lm	1.855 lm	107,4
		black	335 lm	669 lm	1.004 lm	1.339 lm	1.674 lm	96,9
>90	4.000 K	white	386 lm	773 lm	1.159 lm	1.545 lm	1.932 lm	111,8
		black	349 lm	697 lm	1.046 lm	1.394 lm	1.743 lm	100,8
>80	5.000 K	white	465 lm	930 lm	1.395 lm	1.860 lm	2.325 lm	134,5
		black	419 lm	839 lm	1.258 lm	1.678 lm	2.097 lm	121,4

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 – 40° flood, 565 mm

Application

Ideal for illuminating specific areas without scattering the light too much. It is used to create accent lighting or for higher ceilings.

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

