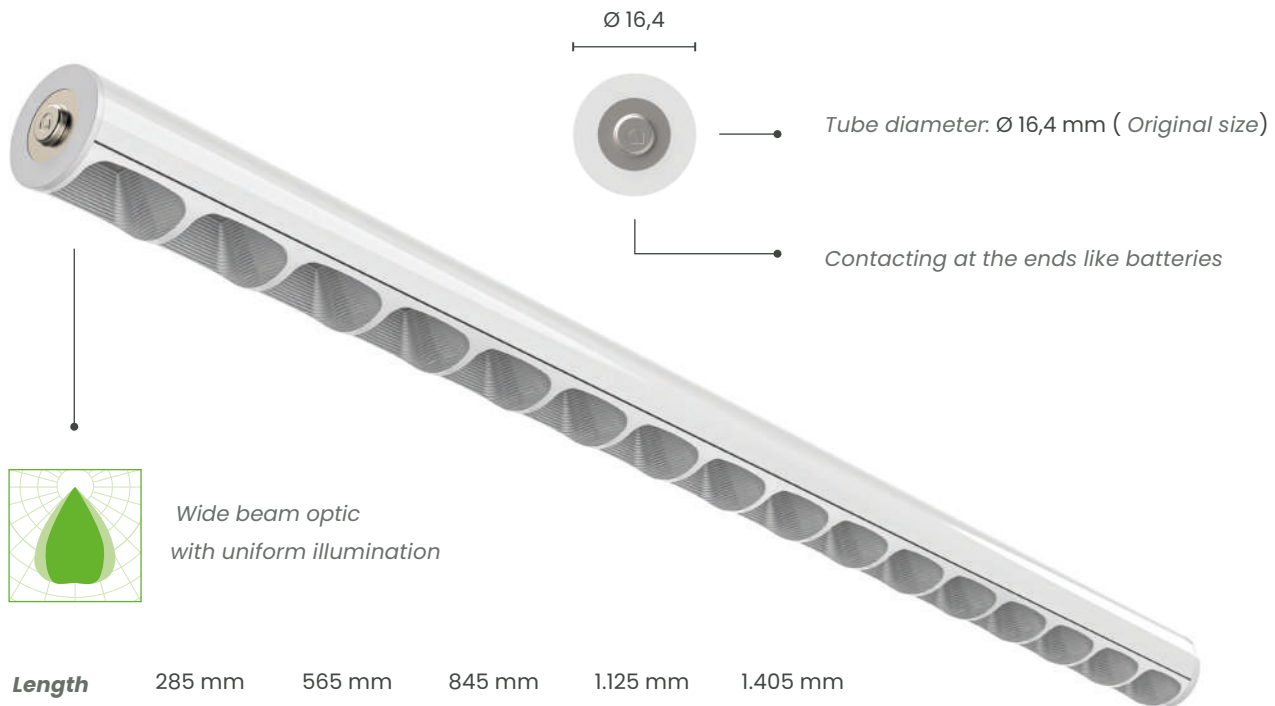


LTwo® BATTERY – batwing wide

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	715 lm	1.430 lm	2.145 lm	2.860 lm	3.574 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. Wide beam optic with max. 3,574 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

54 g, 106 g, 158 g, 210 g, 262 g

Housing colour

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

Wattagen / Wattages

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

Lumen @ 5.000 K

715 lm, 1.430 lm, 2.145 lm, 2.860 lm, 3.574 lm

Efficiency

122,6 lm/W (WW), 94,8 lm/W (BB)

Light distribution

Batwing wide

LED quantity

16 per 280 mm

UGR (<22)

WW: 21,2 / 17,3 & BB: 19,4 / 14,0 (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

Specifically design-*ned* for use with the *apl* desk lamp Lumami® DESK for uniform and glare free illumination of the workspace.

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

Konstantspannung /

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

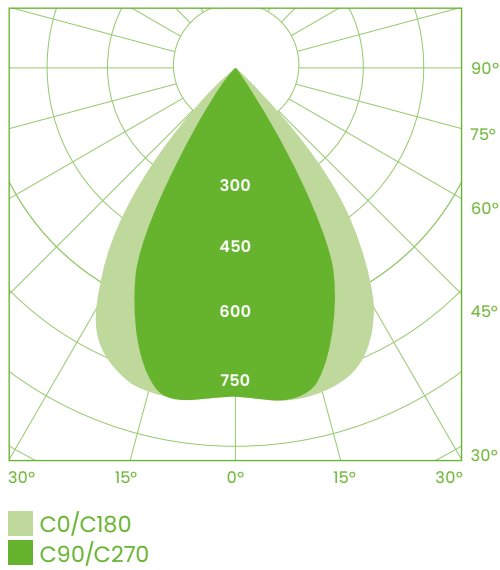
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	554 lm	1.107 lm	1.661 lm	2.215 lm	2.768 lm	94,9
		black	428 lm	856 lm	1.284 lm	1.713 lm	2.141 lm	73,4
>90	3.000 K	white	562 lm	1.124 lm	1.686 lm	2.249 lm	2.811 lm	96,4
		black	435 lm	869 lm	1.304 lm	1.739 lm	2.174 lm	74,5
>90	3.500 K	white	571 lm	1.141 lm	1.712 lm	2.283 lm	2.853 lm	97,8
		black	441 lm	883 lm	1.324 lm	1.765 lm	2.206 lm	75,7
>90	4.000 K	white	596 lm	1.192 lm	1.788 lm	2.384 lm	2.980 lm	102,2
		black	461 lm	922 lm	1.383 lm	1.844 lm	2.305 lm	79,0
>80	5.000 K	white	715 lm	1.430 lm	2.145 lm	2.860 lm	3.574 lm	122,6
		black	553 lm	1.106 lm	1.658 lm	2.211 lm	2.764 lm	94,8

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 - batwing wide, 565 mm

Application

Specifically designed for use with the apl desk lamp Lumami® DESK for uniform and glare free illumination of the work-space.

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

