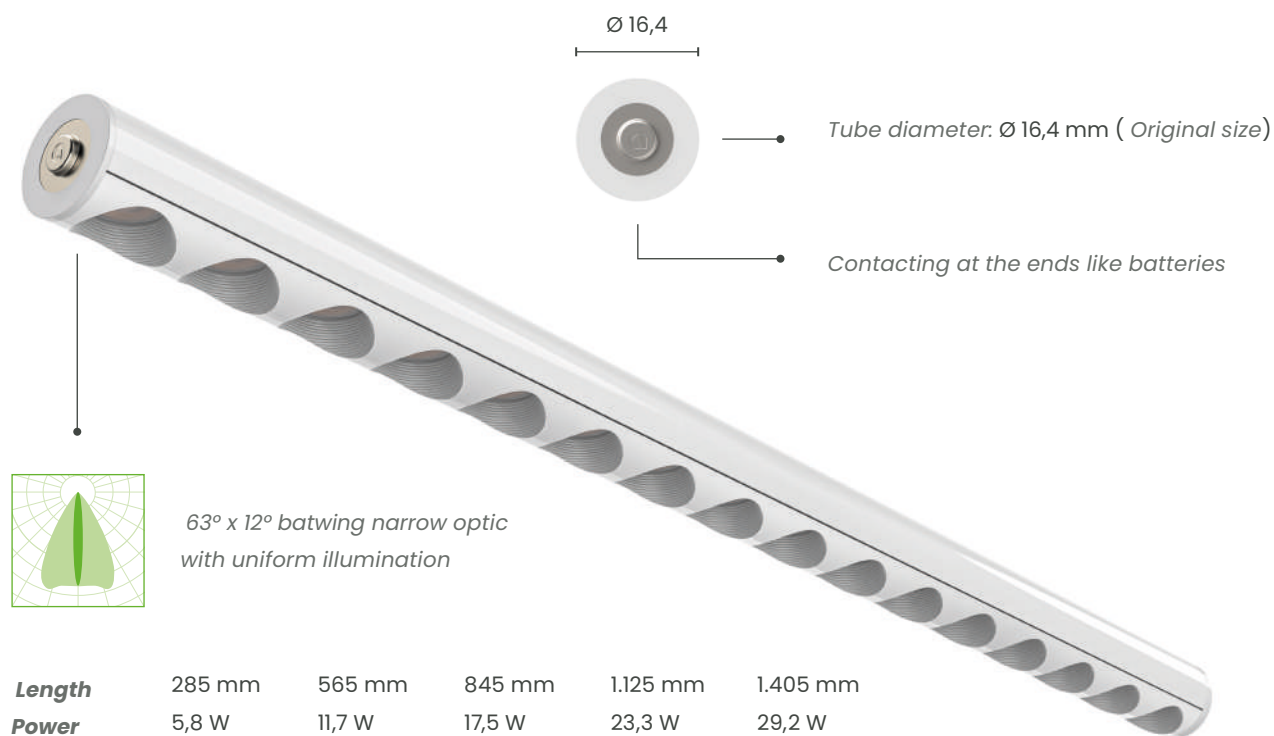


LTwo® BATTERY – batwing narrow

constant voltage

48V – 20 watt/m



Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. 63° x 12° batwing narrow optic with max. 3,680 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

736 lm, 1.472 lm, 2.208 lm, 2.944 lm, 3.680 lm

Efficiency

126,2 lm/W (WW), 109,7 lm/W (BB)

Light distribution

63° x 12° batwing narrow

LED quantity

16 per 280 mm

UGR (<22)

WW: 19,5 / 14,9 & BB: 18,2 / 4,9 (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

Linear batwing optic for precise and efficient illumination of aisles and rows of shelves.

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

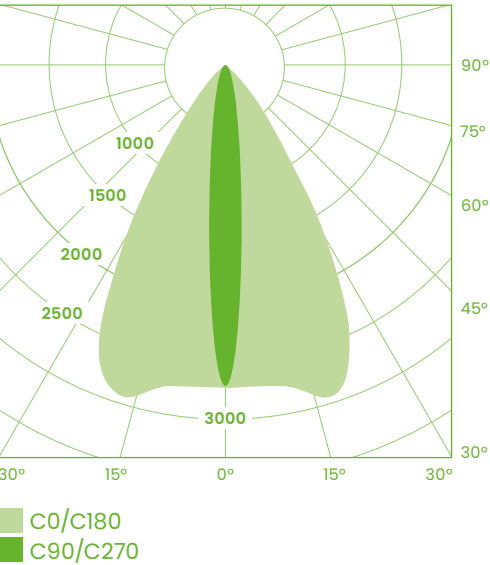
Length, lumen, watt

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	570 lm	1.140 lm	1.710 lm	2.280 lm	2.850 lm	97,7
		black	496 lm	991 lm	1.487 lm	1.982 lm	2.478 lm	85,0
>90	3.000 K	white	579 lm	1.157 lm	1.736 lm	2.315 lm	2.894 lm	99,2
		black	503 lm	1.006 lm	1.509 lm	2.012 lm	2.515 lm	86,3
>90	3.500 K	white	587 lm	1.175 lm	1.762 lm	2.350 lm	2.937 lm	100,7
		black	511 lm	1.021 lm	1.532 lm	2.043 lm	2.553 lm	87,6
>90	4.000 K	white	614 lm	1.227 lm	1.841 lm	2.455 lm	3.068 lm	105,2
		black	533 lm	1.067 lm	1.600 lm	2.134 lm	2.667 lm	91,5
>80	5.000 K	white	736 lm	1.472 lm	2.208 lm	2.944 lm	3.680 lm	126,2
		black	640 lm	1.280 lm	1.919 lm	2.559 lm	3.199 lm	109,7

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 narrow, 565 mm

Application
Linear batwing optic for precise and efficient illumination of aisles and rows of shelves.

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	L	= Length (mm)
CV	= Constant Voltage	145-1405	= 145 mm 85 mm 65 mm 45 mm 125 mm 405 mm
CC	= Constant Current	PC	= Photometric code
NP	= Nominal power per m (W/m)	927-950	= CRI >90 CRI >80 2.700K 3.000K 3.500K 4.000K 5.000K
12-25	= 12 W/m 20 W/m 25 W/m	C	= Housing colour
Optic	= Optic (Degree)	BB WW	= Black White
10-60	= 10° HB 13° 25° 40° 60°	LH	= Luminaire holder
BWN BWW	= Batwing narrow Batwing wide	BC	= Battery contact
OVL WW	= Oval Wall washer	IP	= Protection class
OP DF CL	= Opal Diffuse Clear	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

