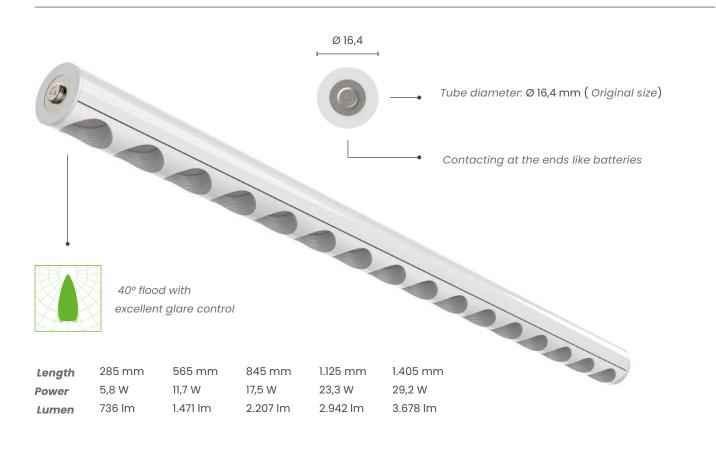
LTwo® BATTERY - 40° flood constant voltage 48V - 20 watt/m



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 connectors. 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

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

Lumen @ 5.000 K

736 lm, 1.471 lm, 2.207 lm, 2.942 lm, 3.678 lm

Efficiency

126,1 lm/W (WW), 113,8 lm/W (BB)

Light distribution

40° symmetrical

LED quantity

16 per 280 mm

UGR (<16)

WW: 14,5 / 14,8 & BB: 9,9 / 9,6 (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 (Tc)

min. -20°C / max. +80°C

Ambient temperature (Ta)

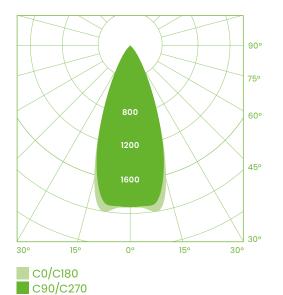
min. -20°C / max. +40°C

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	1.139 lm	1.709 lm	2.279 lm	2.848 lm	97,7
		black	514 lm	1.028 lm	1.542 lm	2.056 lm	2.570 lm	88,1
>90	3.000 K	white	578 lm	1.157 lm	1.735 lm	2.314 lm	2.892 lm	99,2
		black	522 lm	1.044 lm	1.565 lm	2.087 lm	2.609 lm	89,5
>90	3.500 K	white	587 lm	1.174 lm	1.761 lm	2.349 lm	2.936 lm	100,7
		black	530 lm	1.059 lm	1.589 lm	2.119 lm	2.648 lm	90,8
>90	4.000 K	white	613 lm	1.227 lm	1.840 lm	2.453 lm	3.067 lm	105,2
		black	553 lm	1.107 lm	1.660 lm	2.213 lm	2.766 lm	94,9
>80	5.000 K	white	736 lm	1.471 lm	2.207 lm	2.942 lm	3.678 lm	126,1
		black	664 lm	1.327 lm	1.991 lm	2.654 lm	3.318 lm	113,8

Light distribution





LTwo® BATTERY 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	С	LH	IP
APL-LTwoT5	CV	20	10				ВС	IP40
				285	927	ВВ		
				565	930	WW		
				845	935			
				1125	940			
				1405	850			

= Operating mode OP = Length (mm) = Constant Voltage CV 145-1405 = 145 mm | 85 mm | 65 mm | 45 mm | 125 mm | 405 mm = Constant Current CC PC = Photometric code = Nominal power per m (W/m) 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K NP = 12 W/m | 20 W/m | 25 W/m 12-25 С = Housing colour = Optic (Degree) BB | WW = Black | White Optic = 10° HB | 13° | 25° | 40° | 60° LH = Luminaire holder ВС = Battery contact BWN | BWW = Batwing narrow | Batwing wide ΙP = Protection class OVL | WW = Oval | Wall washer OP | DF | CL = Opal | Diffuse | Clear IP40 = Indoor use only



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 sophisti-cated museum lighting or the illumination of concerthalls and auditoriums, for example.

LTwo® is available in different lampholder types and connec-tion options. The variant with the magnetic lampholder LTwo® MAG offers the most versatile installation accessories. The product can be easily assembled, swivelled in the lamphol-der by +/-20° 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 sus-pension wires. The 8 mm snap connector with IP67 protection is used for the LTwo® OUTDOOR luminaire.

LTwo® MAGNETIC

LTwo® BATTERY

LTwo® PENDANT

LTwo® OUTDOOR























