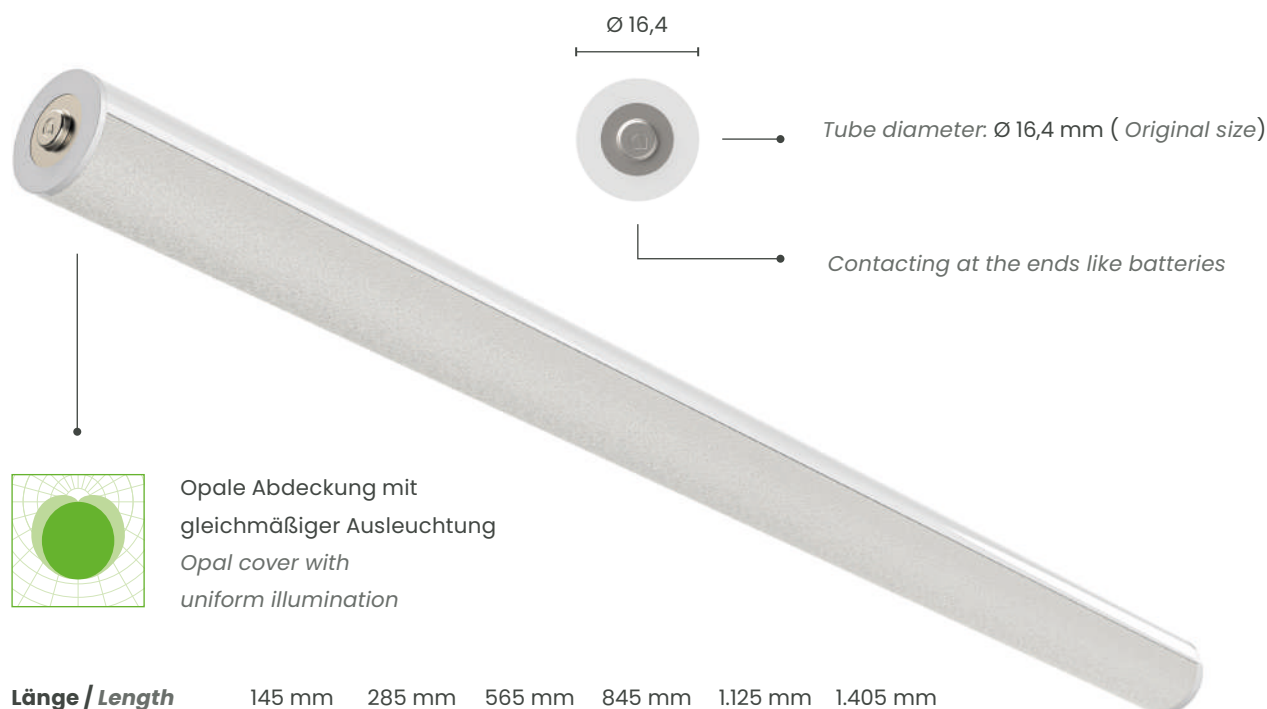


LTwo® BATTERY – opal

constant voltage 48V – 12 watt/m



Länge / Length	145 mm	285 mm	565 mm	845 mm	1.125 mm	1.405 mm
Leistung / Power	1,7 W	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen / Lumen	265 lm	530 lm	1.060 lm	1.590 lm	2.120 lm	2.651 lm

Product description

LTwo® BATTERY – Light Tube with Optics and battery con-tacts. Opal cover with max. 4,287 lumen, based on the mo-dular, miniaturised LTwo® light source/luminaire system with 13 high-quality precision optics and extensive accessories f or 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

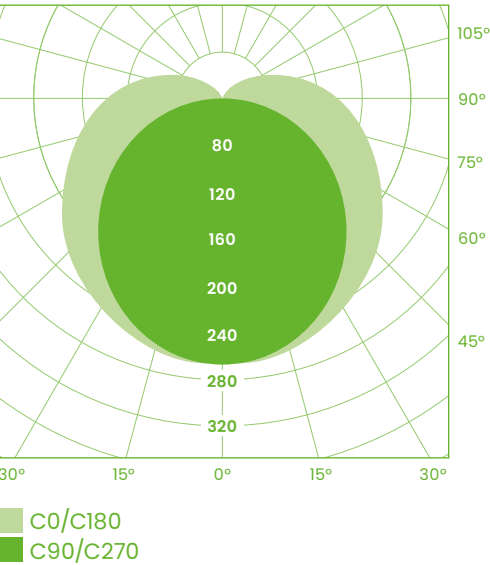
Dimensions Ø 16,4 mm	Binning 3 SDCM
Length 145 mm, 285 mm, 565 mm, 845 mm, 1.125 mm, 1.405 mm	Lifetime 60.000 h L80B10
Weight 26 g, 47 g, 90 g, 133 g, 176 g, 219 g	Application Ideal for uniform light with lambertian light distribution. For general or decorative lighting.
Housing colour Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)	Protection IP40 (Indoor use only)
Wattages 1,7 W; 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W	Risk group (IEC 62471:2006) RG 0 (2.700 K – 4.000 K) RG 1 (5.000 K)
Lumen @ 4.000 K 265 lm, 530 lm, 1.060 lm, 1.590 lm, 2.120 lm, 2.651 lm	Operating mode Constant Voltage (CV)
Efficiency 153,4 lm/W (WW), 119,1 lm/W (BB)	Dimmable Yes
Light distribution Opal (Lambert-Strahler) / Opal (lambertian emitter)	Operating voltage 48 V DC -1,0 / +1,75
LED quantity 32 per 280 mm	Housing temperature (Tc) min. -20°C / max. +80°C
UGR WW: 28,7 / 25,3 & BB: 27,7 / 24,5 (4H 8H / 70 50 20 / @1.000 lm)	Ambient temperature (Ta) min. -20°C / max. +45°C
LED Pitch 8,75 mm	Storage temperature (Ts) min. -20°C / max. +85°C
CCT / CRI 2.700 K, 3.000 K, 3.500 K, 4.000 K, 5.000 K (>90)	

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	145 mm 1,7 W	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	247 lm	493 lm	987 lm	1.480 lm	1.974 lm	2.467 lm	142,8
		black	192 lm	383 lm	766 lm	1.150 lm	1.533 lm	1.916 lm	110,9
>90	3.000 K	white	253 lm	506 lm	1.011 lm	1.517 lm	2.023 lm	2.528 lm	146,3
		black	196 lm	393 lm	785 lm	1.178 lm	1.571 lm	1.963 lm	113,6
>90	3.500 K	white	258 lm	515 lm	1.031 lm	1.546 lm	2.062 lm	2.577 lm	149,1
		black	200 lm	400 lm	801 lm	1.201 lm	1.601 lm	2.001 lm	115,8
>90	4.000 K	white	265 lm	530 lm	1.060 lm	1.590 lm	2.120 lm	2.651 lm	153,4
		black	206 lm	412 lm	823 lm	1.235 lm	1.647 lm	2.058 lm	119,1
>90	5.000 K	white	263 lm	525 lm	1.050 lm	1.576 lm	2.101 lm	2.626 lm	152,0
		black	204 lm	408 lm	816 lm	1.224 lm	1.631 lm	2.039 lm	118,0

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 – opal, 565 mm

Application
Ideal for uniform light with lambertian light distribution. For general or decorative lighting.

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

