

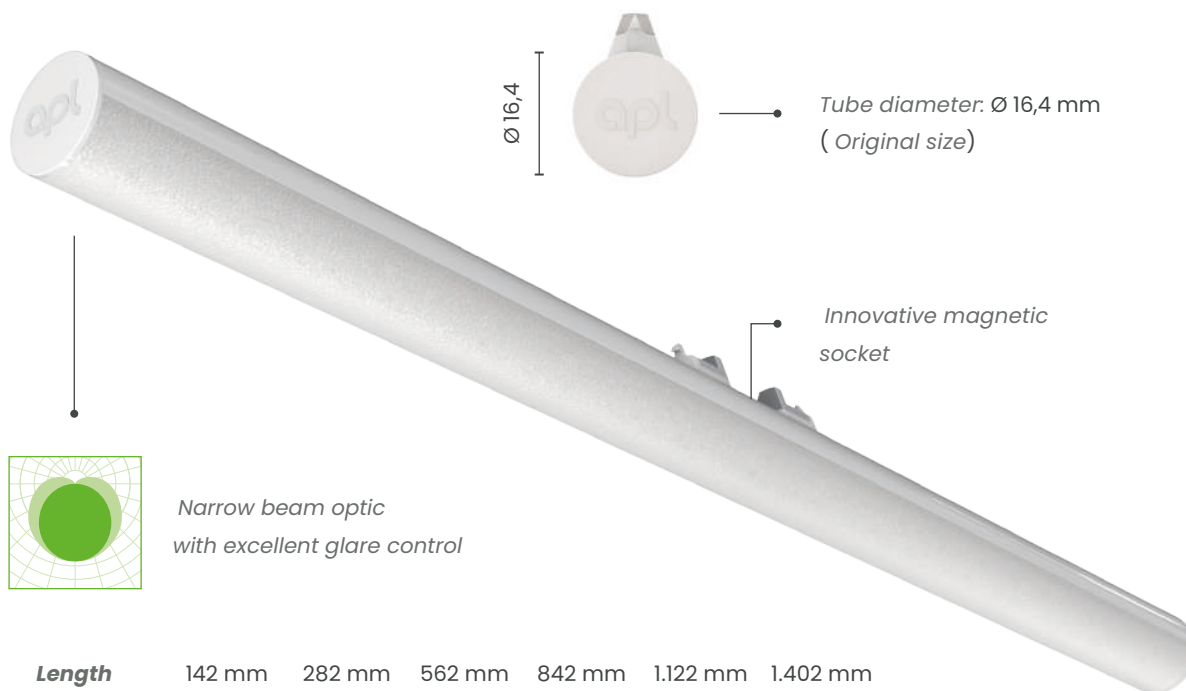
LTwo® MAG – opal

constant current

25 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,6 W	6,9 W	13,5 W	20,1 W	26,6 W	33,3 W
Lumen	595 lm	1.190 lm	2.379 lm	3.569 lm	4.759 lm	5.949 lm

Product description

LTwo® – Light Tube with Optics. Opal cover with max. 5,949 lumen, based on the modular, miniaturised LTwo® light source/luminaire system with 13 high-quality precision optics and extensive accessories for all lighting applications. With newly developed, multifunctional lamp/luminaire holder for easy, tool-free, magnetic installation and angle adjustment in +/-20°, as well as locking. Coded socket for safe operation of lamp luminaires with different operation modes in Constant Voltage or Constant Current. Very environmentally friendly due to minimal use of material (180g/m), interchan-geability, 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

142 mm, 282 mm, 562 mm, 842 mm, 1.122 mm, 1.402 mm

Weight

30 g, 56 g, 108 g, 160 g, 212 g, 264 g

Housing colour

Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)

Wattages

3,6 W; 6,9 W; 13,5 W; 20,1 W; 26,6 W; 33,3 W

Lumen @ 4.000 K

595 lm, 1.190 lm, 2.379 lm, 3.569 lm, 4.759 lm, 5.949 lm

Efficiency

178,6 lm/W (WW), 138,7 lm/W (BB)

Light distribution

Opal (lambertian emitter)

LED quantity

32 per 280 mm

UGR

WW: 31,4 / 28,1 & BB: 30,5 / 27,3 (4H|8H / 70|50|20 / @1.000 lm)

LED Pitch

8,75 mm

CCT / CRI

2.700 K, 3.000 K, 3.500 K, 4.000 K, 5.000 K (>90)

Binning

3 SDCM

Lifetime

60.000 h
L80B10

Application

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

Protection

IP40 (Nur für Innenräume / Indoor use only)

Risk group (IEC 62471:2006)

RG 0 (2.700 K – 4.000 K) | RG 1 (5.000 K)

Operating mode

Constant current (CC)

Dimmable

Yes

Operating current

142 mm – 1.122 mm = max. 600 mA; 1.402 mm = max. 750 mA

Housing temperature (T_c)

min. -20°C / max. +80°C

Ambient temperature (T_a)

min. -20°C / max. +35°C

Storage temperature (T_s)

min. -20°C / max. +85°C

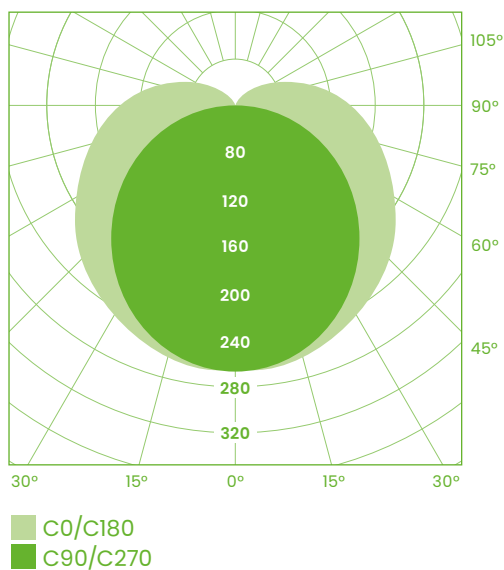
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,6 W (0,6 A x 6 V)	282 mm 6,9 W (0,6 A x 12 V)	562 mm 13,5 W (0,6 A x 23 V)	842 mm 20,1 W (0,6 A x 33 V)	1.122 mm 26,6 W (0,6 A x 44 V)	1.402 mm 33,3 W (0,75 A x 44 V)	lm/W
>90	2.700 K	white	556 lm	1.112 lm	2.223 lm	3.335 lm	4.446 lm	5.558 lm	166,9
		black	432 lm	863 lm	1.726 lm	2.589 lm	3.453 lm	4.316 lm	129,6
>90	3.000 K	white	564 lm	1.129 lm	2.257 lm	3.386 lm	4.515 lm	5.643 lm	169,4
		black	438 lm	876 lm	1.753 lm	2.629 lm	3.506 lm	4.382 lm	131,6
>90	3.500 K	white	580 lm	1.160 lm	2.321 lm	3.481 lm	4.642 lm	5.802 lm	174,2
		black	451 lm	901 lm	1.802 lm	2.703 lm	3.604 lm	4.505 lm	135,3
>90	4.000 K	white	595 lm	1.190 lm	2.379 lm	3.569 lm	4.759 lm	5.949 lm	178,6
		black	462 lm	924 lm	1.848 lm	2.772 lm	3.695 lm	4.619 lm	138,7
>90	5.000 K	white	588 lm	1.175 lm	2.350 lm	3.525 lm	4.700 lm	5.875 lm	176,4
		black	456 lm	912 lm	1.825 lm	2.737 lm	3.650 lm	4.562 lm	137,0

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® schwarz / black – opal, 562mm

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	CC	25	OP				MAG	IP40
				142	927	BB		
				282	930	WW		
				562	935			
				842	940			
				1122	850			
				1402				

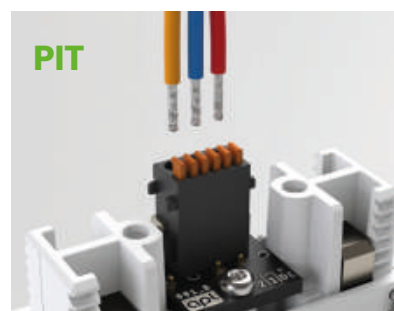
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

L = Length (mm)
 142-1402 = 142 mm | 82 mm | 62 mm | 42 mm | 122 mm | 402 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
 MAG = Magnetic luminaire holder
IP = Protection class
 IP40 = Indoor use only



Under the following link you will find the tender specification for the product:
<https://apl.ag/products/>

LTwo® accessories



LTwo® magnetic lampholder

The "LTwo® magnetic lamp holder" is required to operate the LTwo®. Select the "PIT block" variant to connect the lamp holder to the ballast with its own cable. If you prefer a plug-in solution, then select the "JST" variant. To connect this variant to the ballast, the "3-pole cable set with JST" is required. Alternatively, you can choose a pre-wired ballast, in which the cable set is already permanently connected to the ballast. There are a wide range of accessories for mounting the lamp holder. Please refer to our accessories catalog. The accessories are optimized to realize your own lighting project and to easily integrate the LTwo® into all types of materials or the building.



LTwo® to use in track lighting systems

In existing track lighting systems, use the Lumami® TRACK. No further accessories are required here.

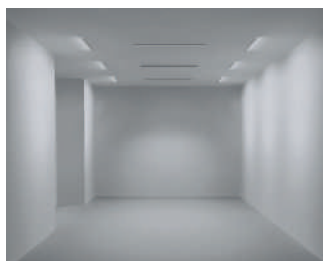


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



LTwo® to use in apl luminaires

If you choose an apl luminaire (e.g. Lumami® DESK), no further accessories are required.



LTwo® into your project Please contact us at the following service address. We will be happy by integrating LTwo® in your project.
info@apl.ag