

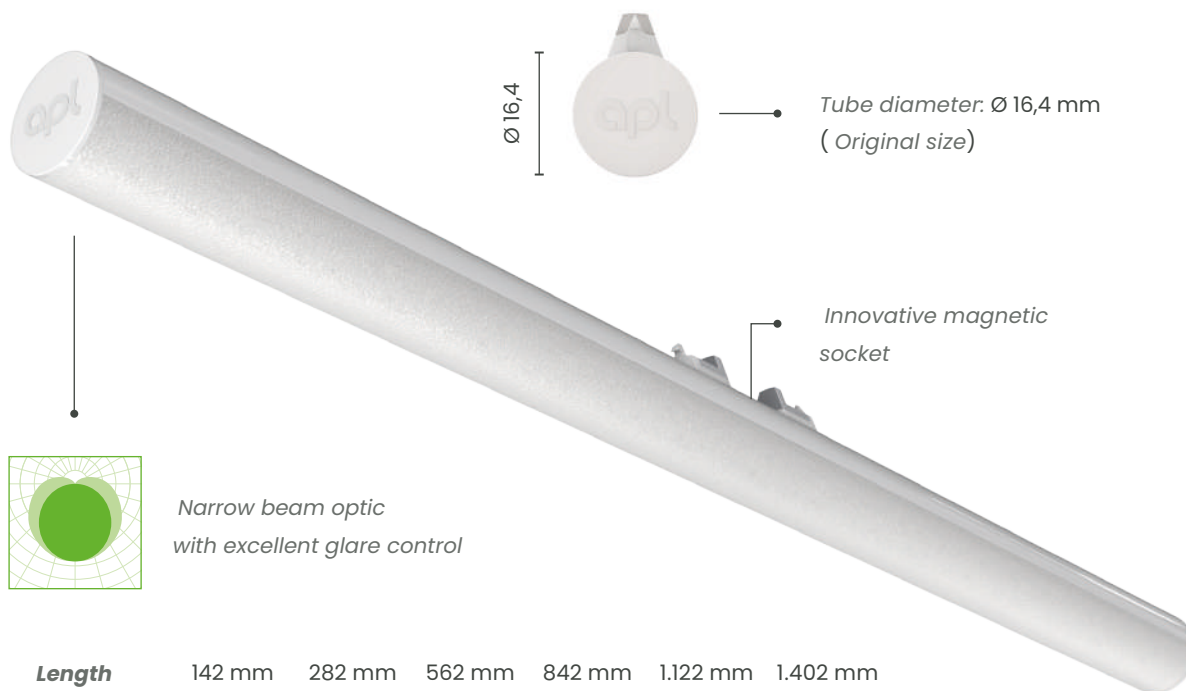
LTwo® MAG – opal

constant voltage

48V – 20 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,0 W	6,0 W	11,9 W	17,9 W	23,8 W	29,8 W
Lumen	429 lm	857 lm	1.715 lm	2.572 lm	3.430 lm	4.287 lm

Product description

LTwo® – Light Tube with Optics. Opal cover with max. 4,287 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

25 g, 46 g, 89 g, 132 g, 175 g, 218 g

Housing colour

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

Wattages

3,0 W; 6,0 W; 11,9 W; 17,9 W; 23,8 W; 29,8 W

Lumen @ 4.000 K

429 lm, 857 lm, 1.715 lm, 2.572 lm, 3.430 lm, 4.287 lm

Efficiency

144,1 lm/W (WW), 111,9 lm/W (BB)

Light distribution

Opal (lambertian emitter)

LED quantity

32 per 280 mm

UGR

WW: 30,3 / 27,0 & BB: 29,4 / 26,2 (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 (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 (T_c)

min. -20°C / max. +80°C

Ambient temperature (T_a)

min. -20°C / max. +40°C

Storage temperature (T_s)

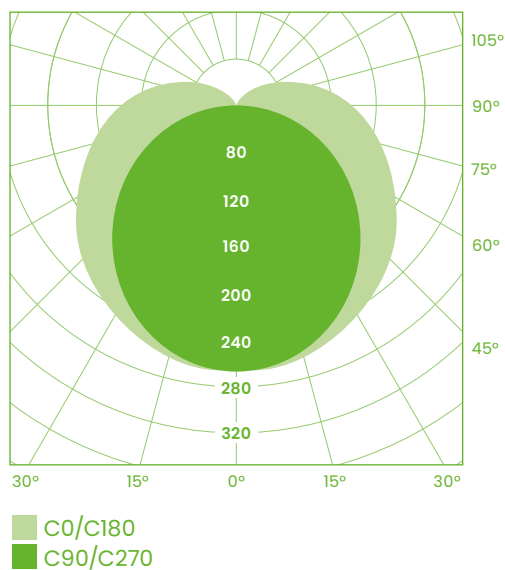
min. -20°C / max. +85°C

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,0 W	282 mm 6,0 W	562 mm 11,9 W	842 mm 17,9 W	1.122 mm 23,8 W	1.402 mm 29,8 W	lm/W
>90	2.700 K	white	402 lm	804 lm	1.607 lm	2.411 lm	3.215 lm	4.019 lm	135,0
		black	312 lm	624 lm	1.248 lm	1.872 lm	2.496 lm	3.121 lm	104,9
>90	3.000 K	white	409 lm	818 lm	1.637 lm	2.455 lm	3.274 lm	4.092 lm	137,5
		black	318 lm	636 lm	1.271 lm	1.907 lm	2.542 lm	3.178 lm	106,8
>90	3.500 K	white	419 lm	838 lm	1.676 lm	2.514 lm	3.352 lm	4.190 lm	140,8
		black	325 lm	651 lm	1.301 lm	1.952 lm	2.603 lm	3.253 lm	109,3
>90	4.000 K	white	429 lm	857 lm	1.715 lm	2.572 lm	3.430 lm	4.287 lm	144,1
		black	333 lm	666 lm	1.332 lm	1.998 lm	2.663 lm	3.329 lm	111,9
>90	5.000 K	white	425 lm	850 lm	1.700 lm	2.550 lm	3.401 lm	4.251 lm	142,8
		black	330 lm	660 lm	1.320 lm	1.980 lm	2.641 lm	3.301 lm	110,9

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	CV	12	10				MAG	IP40
				282	927	BB		
				562	930	WW		
				842	935			
				1122	940			
				1402	850			

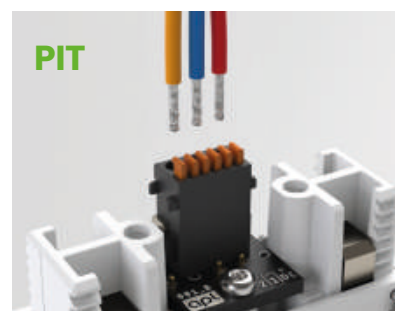
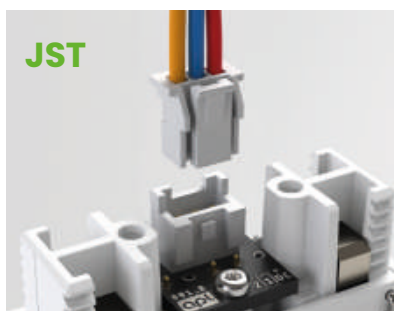
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

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.

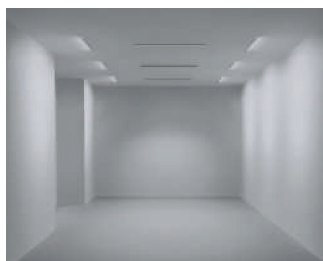


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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