

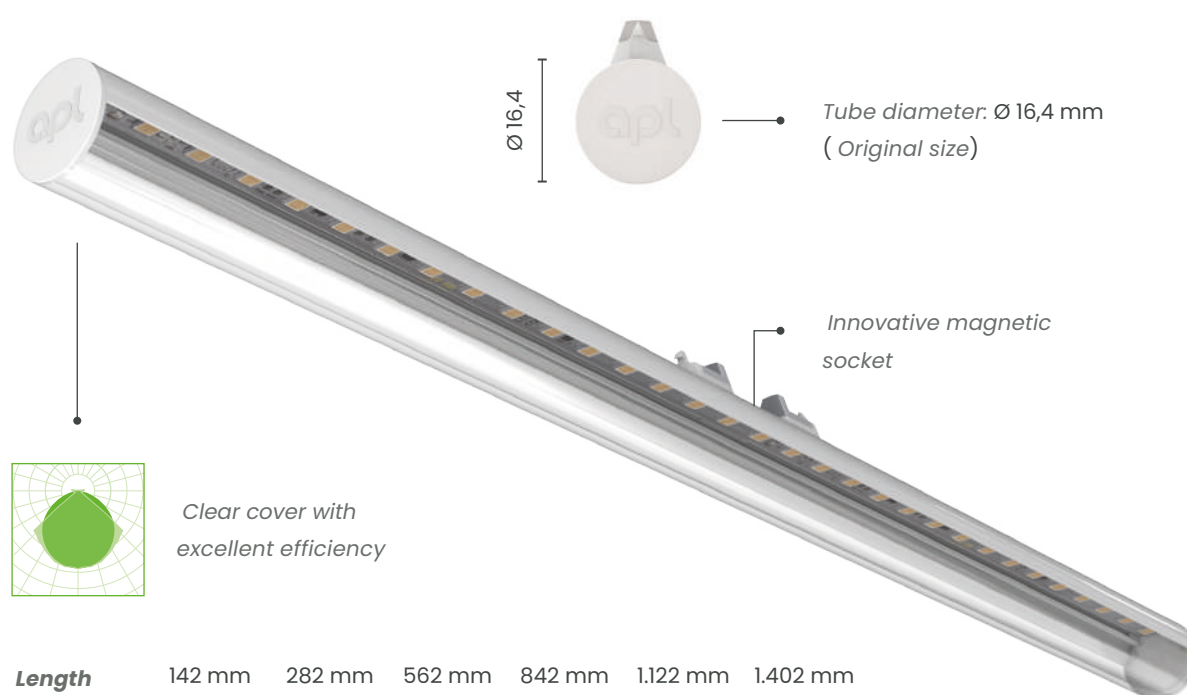
LTwo® MAG – 100° clear

constant voltage

48V – 12 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	1,7 W	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen	287 lm	574 lm	1.147 lm	1.721 lm	2.294 lm	2.868 lm

Product description

LTwo® – Light Tube with Optics. Clear cover with max. 4,639 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 $\pm 20^\circ$, 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), 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

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

1,7 W; 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W

Lumen @ 4.000 K

287 lm, 574 lm, 1.147 lm, 1.721 lm, 2.294 lm, 2.868 lm

Efficiency

166 lm/W (WW), 147,8 lm/W (BB)

Light distribution

100° clear

LED quantity

32 per 280 mm

UGR

WW: 23,3 / 27,0 & BB: 22,3 / 26,8 (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 when a lot of light, with high efficiency and without special glare control requirements is needed.

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. +45°C

Storage temperature (Ts)

min. -20°C / max. +85°C

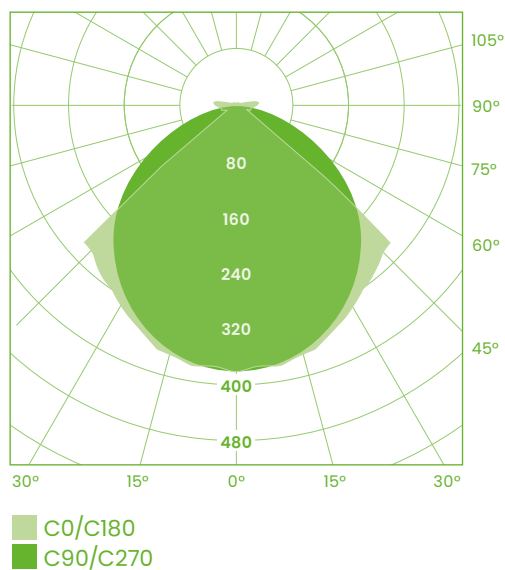
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 1,7 W	282 mm 3,5 W	562 mm 6,9 W	842 mm 10,4 W	1.122 mm 13,8 W	1.402 mm 17,3 W	lm/W
>90	2.700 K	white	267 lm	534 lm	1.068 lm	1.602 lm	2.136 lm	2.670 lm	154,5
		black	238 lm	475 lm	951 lm	1.426 lm	1.902 lm	2.377 lm	137,6
>90	3.000 K	white	274 lm	547 lm	1.094 lm	1.641 lm	2.188 lm	2.736 lm	158,3
		black	244 lm	487 lm	975 lm	1.462 lm	1.949 lm	2.436 lm	141,0
>90	3.500 K	white	279 lm	558 lm	1.115 lm	1.673 lm	2.231 lm	2.788 lm	161,4
		black	248 lm	497 lm	993 lm	1.490 lm	1.987 lm	2.483 lm	143,7
>90	4.000 K	white	287 lm	574 lm	1.147 lm	1.721 lm	2.294 lm	2.868 lm	166,0
		black	255 lm	511 lm	1.022 lm	1.532 lm	2.043 lm	2.554 lm	147,8
>90	5.000 K	white	284 lm	568 lm	1.137 lm	1.705 lm	2.273 lm	2.841 lm	164,4
		black	253 lm	506 lm	1.012 lm	1.518 lm	2.024 lm	2.530 lm	146,4

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 – 100° clear, 562mm

Application

Ideal when a lot of light, with high efficiency and without special glare control requirements is needed.

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			

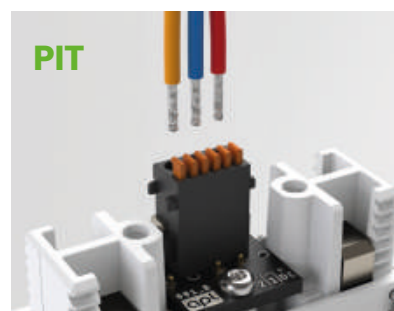
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse |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

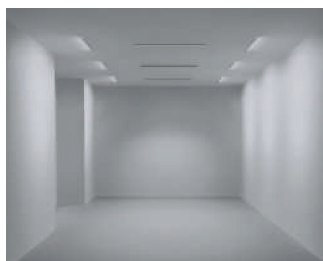


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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