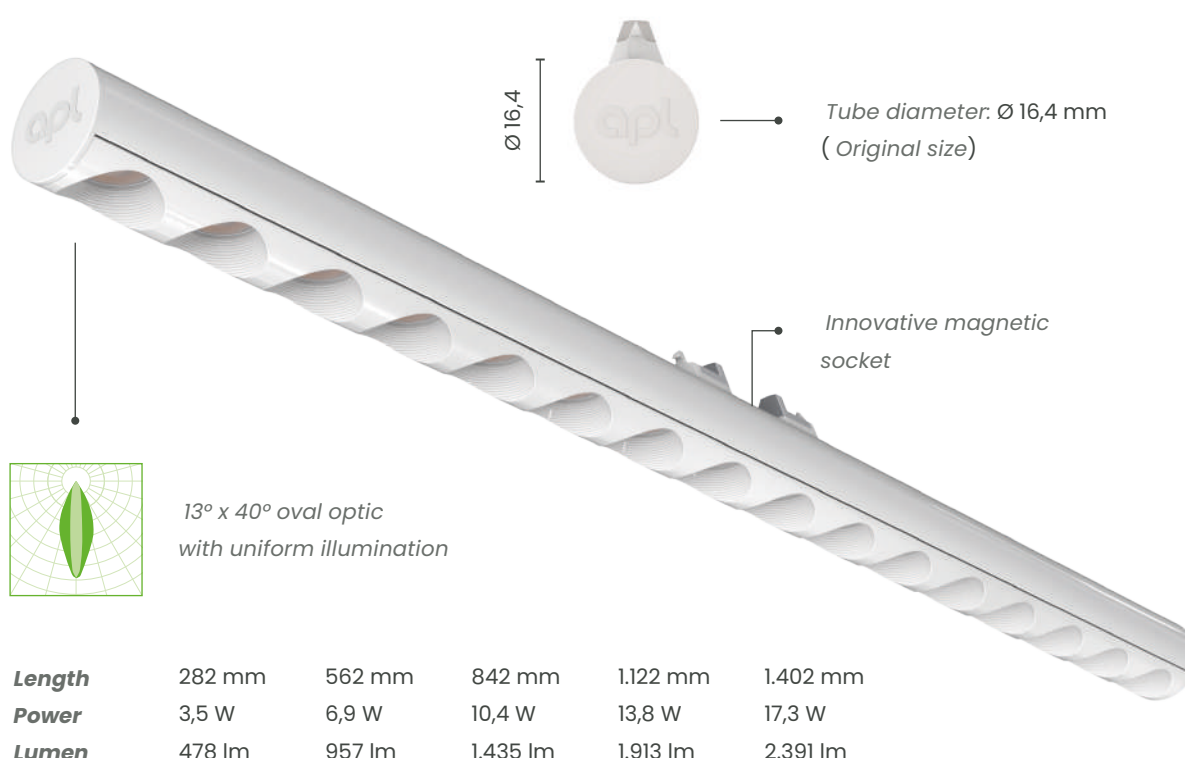


LTwo® MAG – 13° x 40° oval

constant voltage 48V – 12 watt/m



reddot winner 2023



Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen	478 lm	957 lm	1.435 lm	1.913 lm	2.391 lm

Product description

LTwo® – Light Tube with Optics. 13° x 40° oval optic with max. 3,784 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), 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

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

Weight

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

Housing colour

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

Wattages

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

Lumen @ 5.000 K

478 lm, 957 lm, 1.435 lm, 1.913 lm, 2.391 lm

Efficiency

138,4 lm/W (WW), 125,5 lm/W (BB)

Light distribution

13° x 40° oval

LED quantity

16 per 280 mm

UGR (<16)

WW: 13,1 / 15,7 & BB: 6,3 / 12,7 (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 grazing light applications to emphasize surface structures on walls or facades.

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. +45°C

Storage temperature (T_s)

min. -20°C / max. +85°C

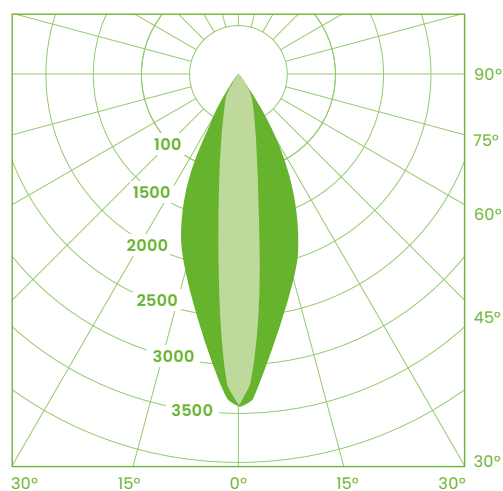
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	371 lm	741 lm	1.112 lm	1.482 lm	1.853 lm	107,2
		black	336 lm	672 lm	1.008 lm	1.344 lm	1.681 lm	97,3
>90	3.000 K	white	375 lm	750 lm	1.125 lm	1.500 lm	1.875 lm	108,5
		black	340 lm	680 lm	1.021 lm	1.361 lm	1.701 lm	98,4
>90	3.500 K	white	382 lm	763 lm	1.145 lm	1.527 lm	1.909 lm	110,5
		black	346 lm	693 lm	1.039 lm	1.385 lm	1.731 lm	100,2
>90	4.000 K	white	397 lm	795 lm	1.192 lm	1.590 lm	1.987 lm	115,0
		black	361 lm	721 lm	1.082 lm	1.442 lm	1.803 lm	104,3
>80	5.000 K	white	478 lm	957 lm	1.435 lm	1.913 lm	2.391 lm	138,4
		black	434 lm	868 lm	1.302 lm	1.736 lm	2.169 lm	125,5

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



■ C0/C180
■ C90/C270



LTwo® schwarz / black – 13° x 40° oval, 562mm

Application

Ideal for grazing light applications to emphasize surface structures on walls or facades.

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			

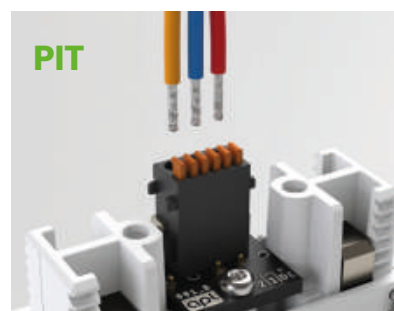
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse |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

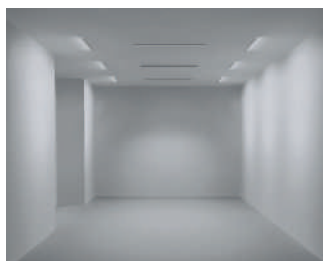


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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