

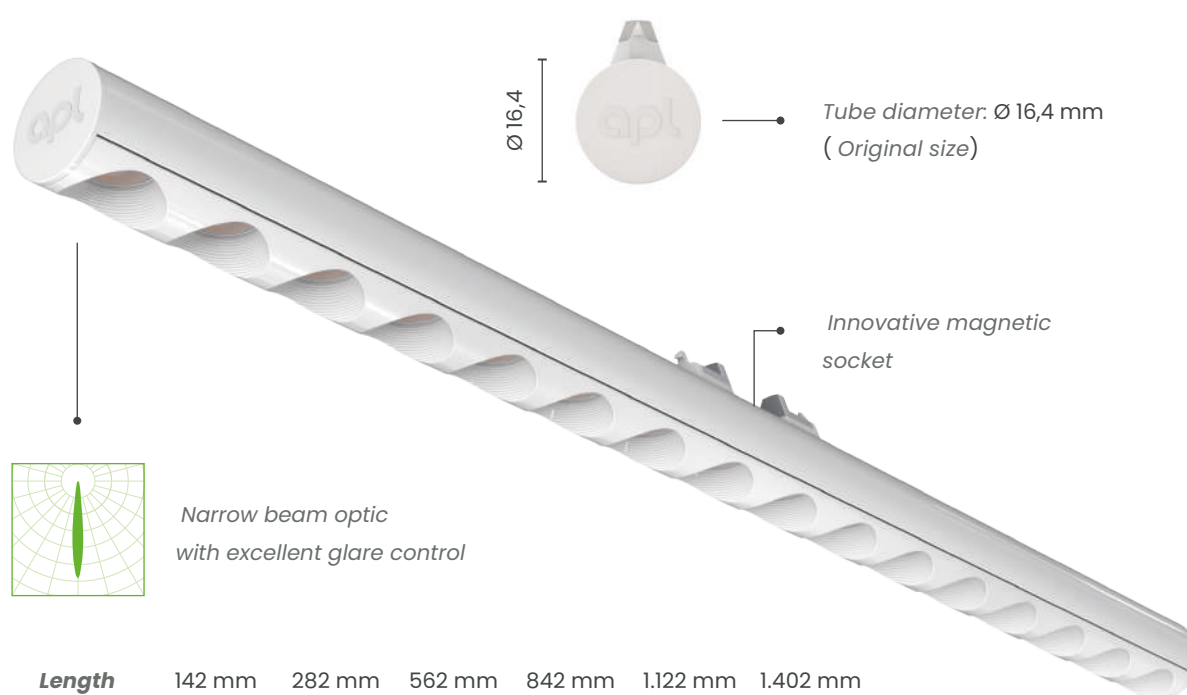
LTwo® MAG – 13° spot

constant current

25 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,8 W	7,2 W	14,0 W	20,8 W	27,6 W	34,5 W
Lumen	482 lm	963 lm	1.927 lm	2.890 lm	3.853 lm	4.817 lm

Product description

LTwo® – Light Tube with Optics. Spot 13° optic with max. 4,817 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

3,8 W; 7,2 W; 14,0 W; 20,8 W; 27,6 W; 34,5 W

Lumen @ 5.000 K

482 lm, 963 lm, 1.927 lm, 2.890 lm, 3.853 lm, 4.817 lm

Efficiency

139,4 lm/W (WW), 131,2 lm/W (BB)

Light distribution

13° symmetrical

LED quantity

16 per 280 mm

UGR (<13)

WW: 11,7 / 12,1 & BB: 3,1 / 0,1 (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 highlighting individual objects and accentuating structures in architecture.

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

Konstantstrom / Constant current (CC)

Dimmable

Yes

Operating current

142 mm – 1122 mm = max. 600 mA; 1402 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

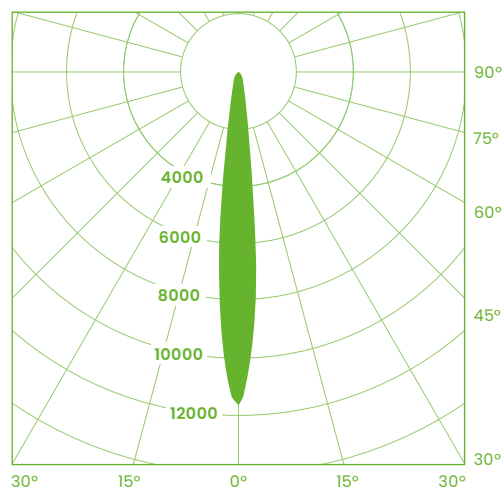
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,8 W (0,6 A x 6 V)	282 mm 7,2 W (0,6 A x 12 V)	562 mm 14,0 W (0,6 A x 23 V)	842 mm 20,8 W (0,6 A x 35 V)	1.122 mm 27,6 W (0,6 A x 46 V)	1.402 mm 34,5 W (0,75 A x 46 V)	lm/W
>90	2.700 K	white	373 lm	746 lm	1.493 lm	2.239 lm	2.985 lm	3.732 lm	108,0
		black	351 lm	702 lm	1.405 lm	2.107 lm	2.809 lm	3.512 lm	101,7
>90	3.000 K	white	378 lm	755 lm	1.510 lm	2.266 lm	3.021 lm	3.776 lm	109,3
		black	355 lm	711 lm	1.421 lm	2.132 lm	2.843 lm	3.553 lm	102,9
>90	3.500 K	white	383 lm	766 lm	1.533 lm	2.299 lm	3.065 lm	3.831 lm	110,9
		black	361 lm	721 lm	1.442 lm	2.163 lm	2.884 lm	3.605 lm	104,4
>90	4.000 K	white	401 lm	802 lm	1.603 lm	2.405 lm	3.207 lm	4.008 lm	116,0
		black	377 lm	754 lm	1.509 lm	2.263 lm	3.018 lm	3.772 lm	109,2
>80	5.000 K	white	482 lm	963 lm	1.927 lm	2.890 lm	3.853 lm	4.817 lm	139,4
		black	453 lm	907 lm	1.813 lm	2.720 lm	3.626 lm	4.533 lm	131,2

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°, 562mm

Application

Ideal for highlighting individual objects and accentuating structures in architecture.

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 | BWV = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

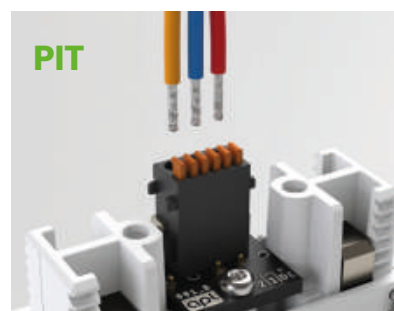
L = Length (mm)
 142-1402 = 142 mm | 82 mm | 62 mm | 42 mm | 122 mm | 402 mm
PC = Photometric code
 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K
C = Housing colour
 BB | WW = Black | White
LH = Luminaire holder
 MAG = Magnetic luminaire holder
IP = Protection class
 IP40 = 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.

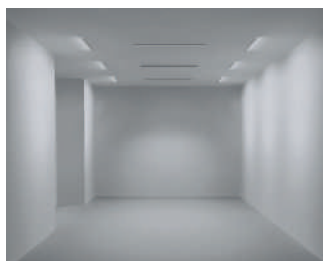


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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