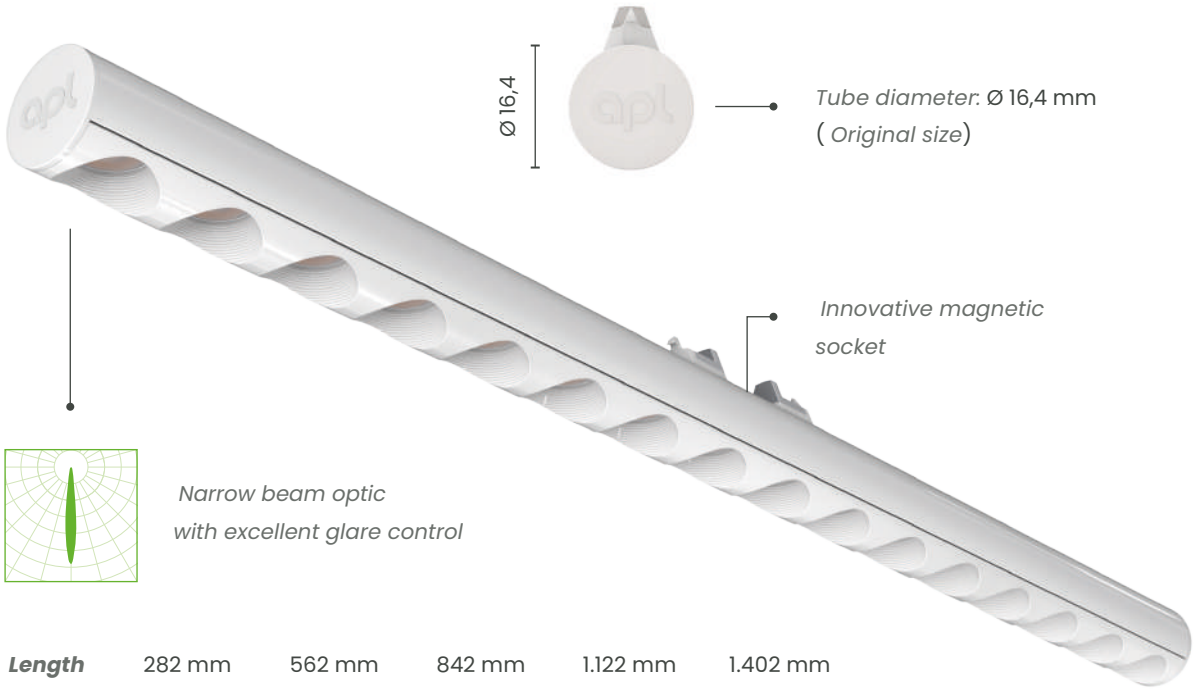
LTwo® MAG – 13° spot
constant voltage 48V – 20 watt/m

reddot winner 2023



Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
Lumen	746 lm	1.493 lm	2.239 lm	2.985 lm	3.732 lm

Product description

LTwo® - Light Tube with Optics. Spot 13° optic with max. 3,732 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 opera-tion 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
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
5,8 W; 11,7 W; 17,5 W; 23,3 W; 29,2 W

Lumen @ 5.000 K
746 lm, 1.493 lm, 2.239 lm, 2.985 lm, 3.732 lm

Efficiency
128,0 lm/W (WW), 120,4 lm/W (BB)

Light distribution
13° symmetrical

LED quantity
16 per 280 mm

UGR (<13)
WW: 10,9 / 11,2 & BB: 2,2 / -0,7 (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 highlighting indivi-dual 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
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. +40°C

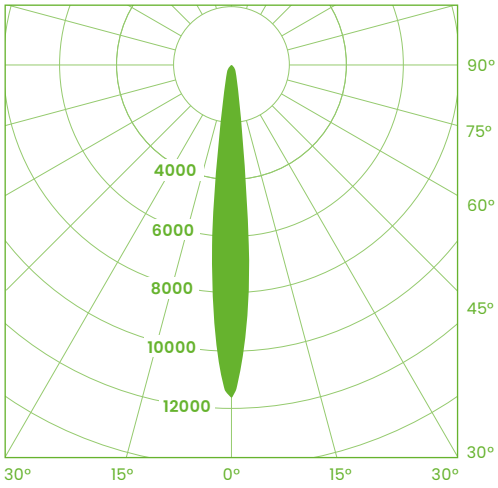
Storage temperature (Ts)
min. -20°C / max. +85°C

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	282 mm 5,8 W	562 mm 11,7 W	842 mm 17,5 W	1.122 mm 23,5 W	1.402 mm 29,2 W	lm/W
>90	2.700 K	white	578 lm	1.156 lm	1.734 lm	2.312 lm	2.890 lm	**99,1**
		black	544 lm	1.088 lm	1.632 lm	2.176 lm	2.720 lm	**93,3**
>90	3.000 K	white	587 lm	1.174 lm	1.761 lm	2.347 lm	2.934 lm	**100,6**
		black	552 lm	1.105 lm	1.657 lm	2.209 lm	2.761 lm	**94,7**
>90	3.500 K	white	596 lm	1.191 lm	1.787 lm	2.383 lm	2.979 lm	**102,1**
		black	561 lm	1.121 lm	1.682 lm	2.242 lm	2.803 lm	**96,1**
>90	4.000 K	white	622 lm	1.245 lm	1.867 lm	2.489 lm	3.112 lm	**106,7**
		black	586 lm	1.171 lm	1.757 lm	2.342 lm	2.928 lm	**100,4**
>80	5.000 K	white	746 lm	1.493 lm	2.239 lm	2.985 lm	3.732 lm	**128,0**
		black	702 lm	1.405 lm	2.107 lm	2.809 lm	3.512 lm	**120,4**

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



C0/C180
C90/C270

LTwo® schwarz / *black* - 13°, 562mm

Application

Ideal for highlighting individual objects and accentuating structures in architecture.

Order code

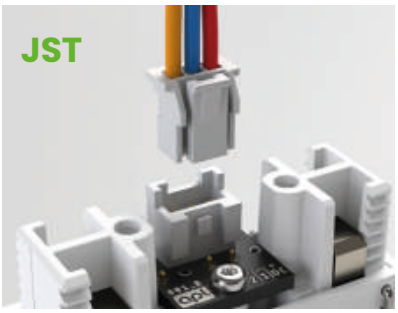
Product	OP	NP	Optic	L	PC	C	LH	IP
APL-LTwoT5	CV	12	10				MAG	IP40
				282	927	BB		
				562	930	WW		
				842	935			
				1122	940			
				1402	850			

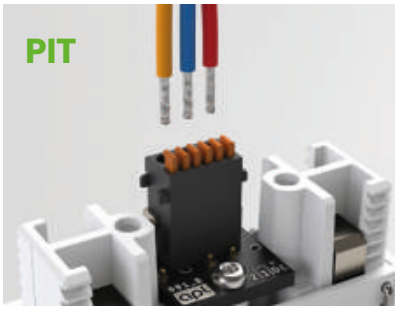
OP ***= Operating mode***
CV = *Constant Voltage*
CC = *Constant Current*
NP ***= Nominal power per m (W/m)***
12-25 = 12 W/m | 20 W/m | 25 W/m
Optic ***= Optic (Degree)***
10-60 = 10° HB | 13° | 25° | 40° | 60°
BWN | BWW = Batwing narrow | Batwing wide
OVL | WW = Oval | Wall washer
OP | DF | CL = *Opal* | *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 requi-red 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 acces-sories for mounting the lamp holder. Plea-se refer to our accessories catalog. The accessories are optimized to realize your own lighting project and to easily integra-te the LTwo® into all types of materials or the building.

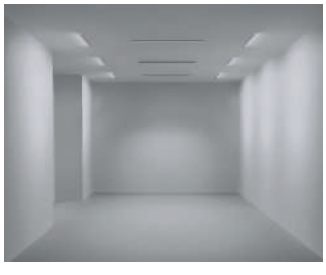
LTwo® to use in track light-ing systems

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 Luma-mi® 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