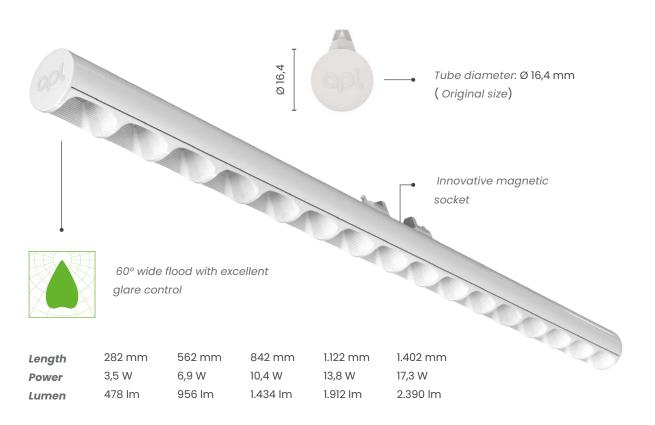
# LTwo® MAG - 60° wide flood

# constant voltage 48V - 12 watt/m







# **Product description**

LTwo® - Light Tube with Optics. 60° wide flood optic with max. 3,781 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 adjust-ment 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 environ-mentally 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**































**Dimensions** 

Ø 16,4 mm

Length

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

Weight

53 g, 105 g, 157 g, 209 g, 261 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, 956 lm, 1.434 lm, 1.912 lm, 2.390 lm

**Efficiency** 

138,3 lm/W (WW), 126,3 lm/W (BB)

**Light distribution** 

60° symmetrical

**LED** quantity

16 per 280 mm

**UGR (<16)** 

WW: 13,9 / 14,7 & BB: 12,5 / 13,8 (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 uniform general lighting in offices, conference rooms and retail spaces. Fulfils the requirements of DIN standard 12464-1.

**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

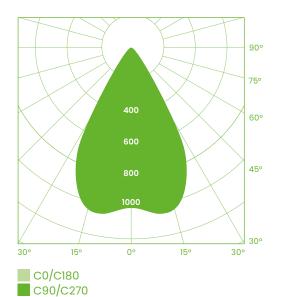
Storage temperature (Ts)

min. -20°C / max. +85°C

## Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	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	Im/W
>90	2.700 K	white	370 lm	741 lm	1.111 lm	1.481 lm	1.851 lm	107,1
		black	338 lm	676 lm	1.015 lm	1.353 lm	1.691 lm	97,9
>90	3.000 K	white	375 lm	749 lm	1.124 lm	1.499 lm	1.874 lm	108,4
		black	342 lm	685 lm	1.027 lm	1.369 lm	1.711 lm	99,0
>90	3.500 K	white	381 lm	763 lm	1.144 lm	1.526 lm	1.907 lm	110,4
		black	348 lm	697 lm	1.045 lm	1.394 lm	1.742 lm	100,8
>90	4.000 K	white	397 lm	794 lm	1.192 lm	1.589 lm	1.986 lm	114,9
		black	363 lm	726 lm	1.088 lm	1.451 lm	1.814 lm	105,0
>80	5.000 K	white	478 lm	956 lm	1.434 lm	1.912 lm	2.390 lm	138,3
		black	437 lm	873 lm	1.310 lm	1.746 lm	2.183 lm	126,3

## **Light distribution**





LTwo® schwarz / black - 60° wide flood, 562mm

#### Application

Ideal for uniform general lighting in offices, conference rooms and retail spaces. Fulfils the requirements of DIN standard 12464-1.

## Order code

Product	ОР	NP	Optic	L	PC	С	LH	IP
APL-LTwoT5	CV	12	60				MAG	IP40
				282	927	BB		
				562	930	WW		
				842	935			
				1122	940			
				1402	850			

= Operating mode OP = Length (mm) = Constant Voltage 142-1402 = 142 mm | 82 mm | 62 mm | 42 mm | 122 mm | 402 mm = Constant Current CC PC = Photometric code = Nominal power per m (W/m) 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K NP = 12 W/m | 20 W/m | 25 W/m 12-25 С = Housing colour = Optic (Degree) Optic BB | WW = Black | White = 10° HB | 13° | 25° | 40° | 60° LH = Luminaire holder BWN | BWW = Batwing narrow | Batwing wide MAG = Magnetic luminaire holder OVL | WW = Oval | Wall washer = Protection class IP40 OP | DF | CL = Opal | Diffuse | Clear = Indoor use only



Under the following link you will find the tender specification for the product:

### 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