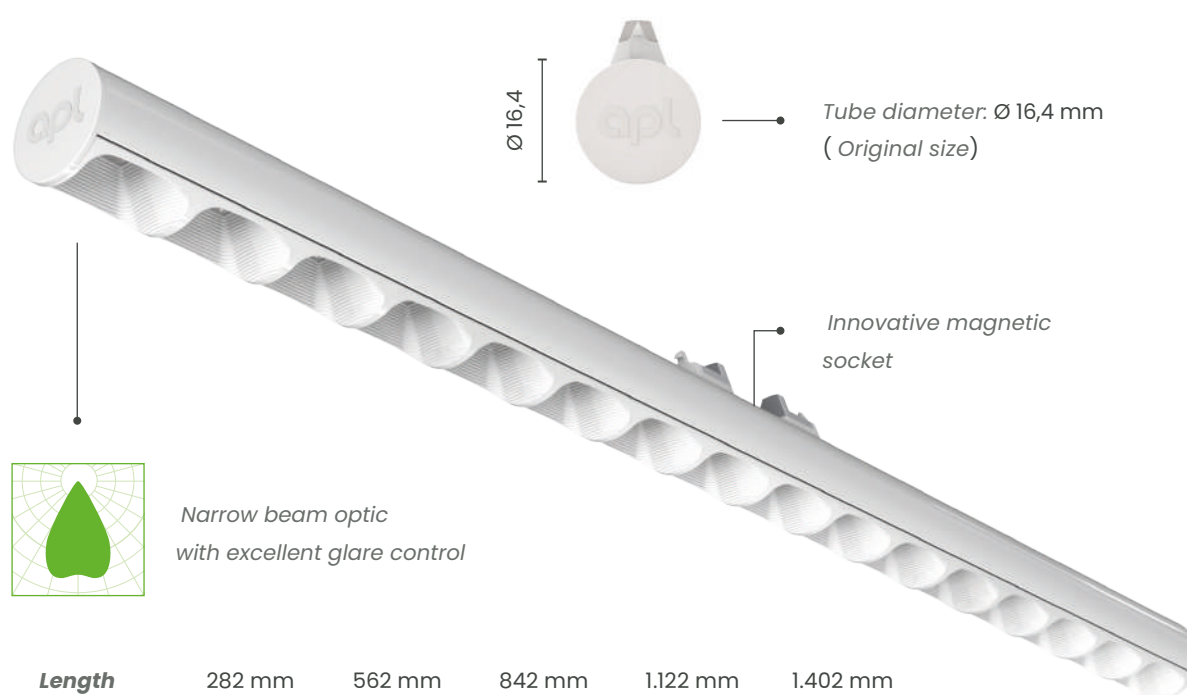


# LTwo® MAG – 60° wide flood

## constant voltage 48V – 20 watt/m



reddot winner 2023



<b>Length</b>	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
<b>Power</b>	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
<b>Lumen</b>	756 lm	1.512 lm	2.269 lm	3.025 lm	3.781 lm

### 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 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

53 g, 105 g, 157 g, 209 g, 261 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

756 lm, 1.512 lm, 2.269 lm, 3.025 lm, 3.781 lm

### Efficiency

129,7 lm/W (WW), 118,4 lm/W (BB)

### Light distribution

60° symmetrical

### LED quantity

16 per 280 mm

### UGR (<19)

WW: 15,5 / 16,3 & BB: 14,1 / 15,4 (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. Fulfills 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

Konstantspannung /

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

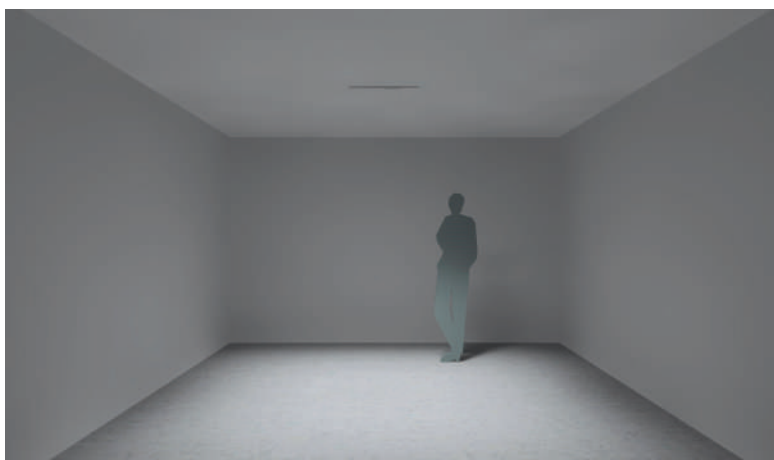
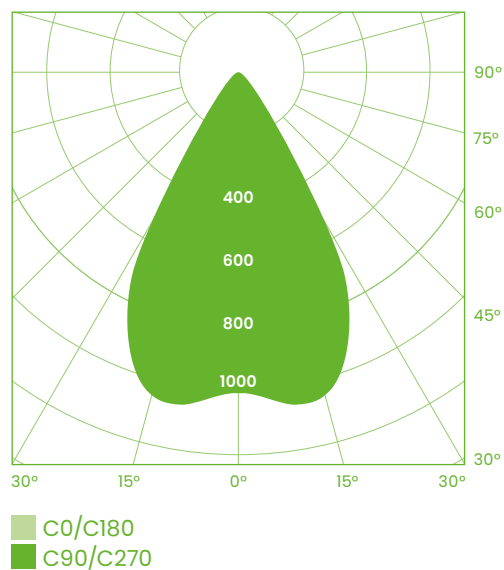
## Length, lumen, watt

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	586 lm	1.171 lm	1.757 lm	2.343 lm	2.928 lm	100,4
		black	535 lm	1.070 lm	1.605 lm	2.140 lm	2.675 lm	91,7
>90	3.000 K	white	595 lm	1.189 lm	1.784 lm	2.379 lm	2.973 lm	102,0
		black	543 lm	1.086 lm	1.629 lm	2.173 lm	2.716 lm	93,1
>90	3.500 K	white	604 lm	1.207 lm	1.811 lm	2.415 lm	3.018 lm	103,5
		black	551 lm	1.103 lm	1.654 lm	2.205 lm	2.757 lm	94,5
>90	4.000 K	white	631 lm	1.261 lm	1.892 lm	2.522 lm	3.153 lm	108,1
		black	576 lm	1.152 lm	1.728 lm	2.304 lm	2.880 lm	98,8
>80	5.000 K	white	756 lm	1.512 lm	2.269 lm	3.025 lm	3.781 lm	129,7
		black	691 lm	1.381 lm	2.072 lm	2.763 lm	3.454 lm	118,4

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 – 60° wide flood, 562mm

### Application

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

## 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			

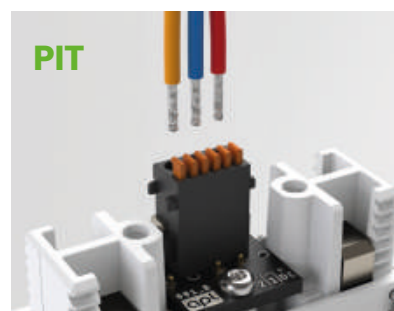
**OP** = Operating mode  
 CV = Constant Voltage  
 CC = Constant Current  
**NP** = Nominal power per m (W/m)  
 12-25 = 12 W/m | 20 W/m | 25 W/m  
**Optic** = Optic (Degree)  
 10-60 = 10° HB | 13° | 25° | 40° | 60°  
 BWN | BW = Batwing narrow | Batwing wide  
 OVL | WW = Oval | Wall washer  
 OP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

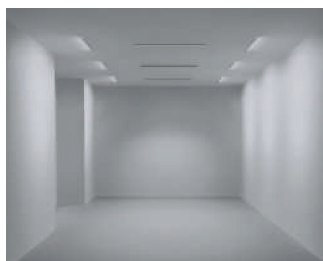


**LTwo® as linear Downlight** To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



### 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