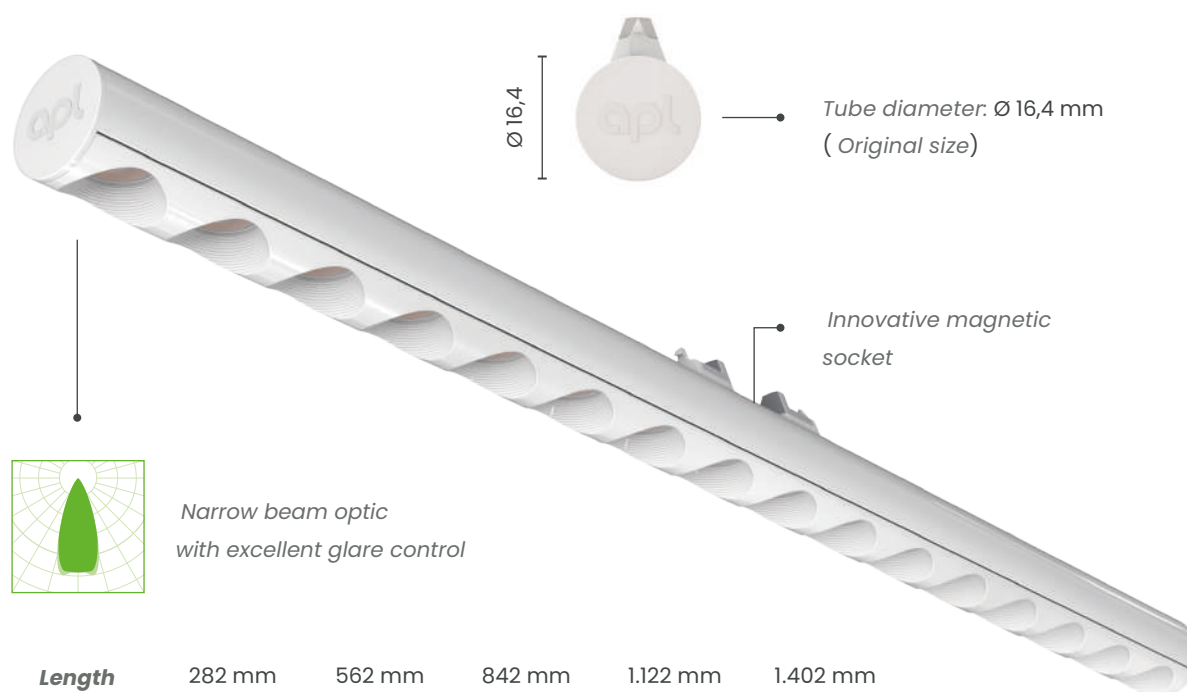


# LTwo® MAG – 40° flood

## 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>	736 lm	1.471 lm	2.207 lm	2.942 lm	3.678 lm

### Product description

LTwo® – Light Tube with Optics. 40° flood optic with max. 3,678 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

CV

48V

20W

SELV

IP40

WHITE

CRI >80

CRI >90

2700 K

3000 K

3500 K

4000 K

5000 K

40°

BLACK

WHITE

60 kh

L80 B10

LM 80

Legende / Legend

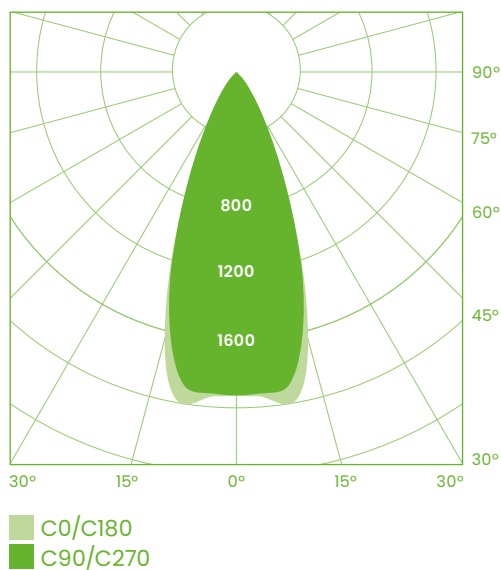
<b>Dimensions</b> Ø 16,4 mm	<b>Binning</b> 3 SDCM
<b>Length</b> 282 mm, 562 mm, 842 mm, 1.122 mm, 1.402 mm	<b>Lifetime</b> 60.000 h L80B10
<b>Weight</b> 56 g, 108 g, 160 g, 212 g, 264 g	<i>Ideal for illuminating specific areas without scattering the light too much. It is used to create accent lighting or for higher ceilings.</i>
<b>Housing colour</b> Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)	
<b>Wattages</b> 5,8 W; 11,7 W; 17,5 W; 23,3 W; 29,2 W	<b>Protection</b> IP40 ( Indoor use only)
<b>Lumen @ 5.000 K</b> 736 lm, 1.471 lm, 2.207 lm, 2.942 lm, 3.678 lm	<b>Risk group (IEC 62471:2006)</b> RG 0 (2.700 K – 4.000 K)   RG 1 (5.000 K)
<b>Efficiency</b> 126,1 lm/W (WW), 113,8 lm/W (BB)	<b>Operating mode</b> Constant Voltage (CV)
<b>Light distribution</b> 40° symmetrical	<b>Dimmable</b> Yes
<b>LED quantity</b> 16 per 280 mm	<b>Operating voltage</b> 48 V DC -1,0 / +1,75
<b>UGR (&lt;16)</b> WW: 14,5 / 14,8 & BB: 9,9 / 9,6 (4H 8H / 70 50 20 / @1.000 lm)	<b>Housing temperature (Tc)</b> min. -20°C / max. +80°C
<b>LED Pitch</b> 17,5 mm	<b>Ambient temperature (Ta)</b> min. -20°C / max. +40°C
<b>CCT / CRI</b> 2.700 K, 3.000 K, 3.500 K, 4.000 K (>90), 5.000 K (>80)	<b>Storage temperature (Ts)</b> 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	570 lm	1.139 lm	1.709 lm	2.279 lm	2.848 lm	97,7
		black	514 lm	1.028 lm	1.542 lm	2.056 lm	2.570 lm	88,1
>90	3.000 K	white	578 lm	1.157 lm	1.735 lm	2.314 lm	2.892 lm	99,2
		black	522 lm	1.044 lm	1.565 lm	2.087 lm	2.609 lm	89,5
>90	3.500 K	white	587 lm	1.174 lm	1.761 lm	2.349 lm	2.936 lm	100,7
		black	530 lm	1.059 lm	1.589 lm	2.119 lm	2.648 lm	90,8
>90	4.000 K	white	613 lm	1.227 lm	1.840 lm	2.453 lm	3.067 lm	105,2
		black	553 lm	1.107 lm	1.660 lm	2.213 lm	2.766 lm	94,9
>80	5.000 K	white	736 lm	1.471 lm	2.207 lm	2.942 lm	3.678 lm	126,1
		black	664 lm	1.327 lm	1.991 lm	2.654 lm	3.318 lm	113,8

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 – 40° flood, 562mm

### Application

Ideal for illuminating specific areas without scattering the light too much. It is used to create accent lighting or for higher ceilings.

## 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			

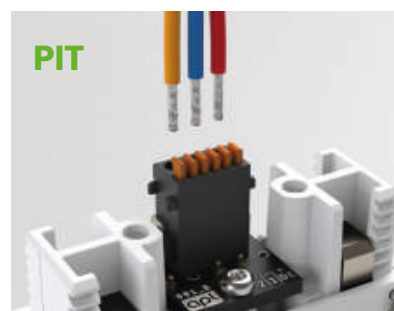
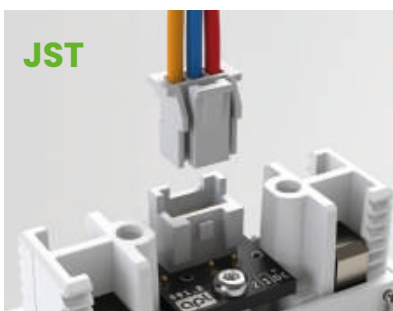
**OP** = Operating mode  
 CV = Constant Voltage  
 CC = Constant Current  
**NP** = Nominal power per m (W/m)  
 12-25 = 12 W/m | 20 W/m | 25 W/m  
**Optic** = Optic (Degree)  
 10-60 = 10° HB | 13° | 25° | 40° | 60°  
 BWN | BWW = Batwing narrow | Batwing wide  
 OVL | WW = Oval | Wall washer  
 OP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

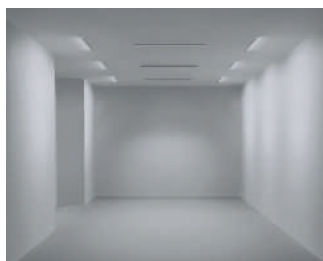


**LTwo® as linear Downlight** To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



### 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