LTwo® MAG – 25° flood
constant voltage
48V – 20 watt/m

ICONIC AWARDS 2023 INNOVATIVE INTERIOR

reddot winner 2023

Ø 16,4

Tube diameter: Ø 16,4 mm
(*Original size*)

Innovative magnetic socket

Narrow beam optic
with excellent glare control
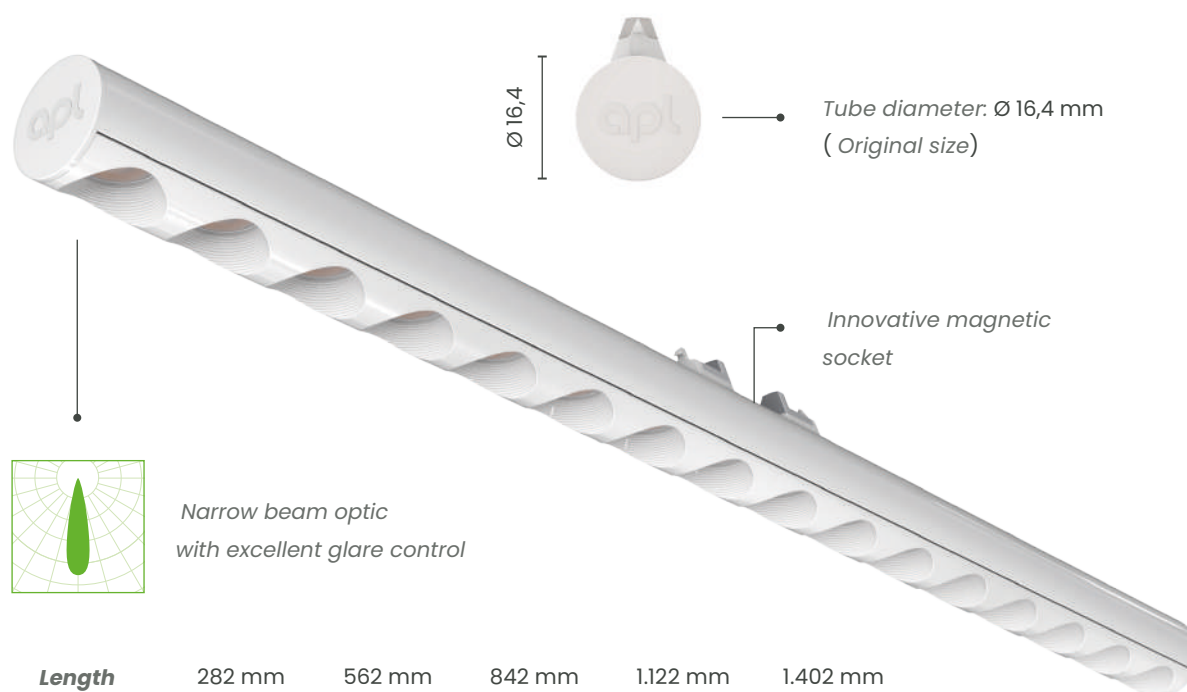
Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
Lumen	739 lm	1.478 lm	2.216 lm	2.955 lm	3.694 lm

Product description

LTwo® - Light Tube with Optics. 25° flood optic with max. 3,694 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 +/-20º, 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
739 lm, 1.478 lm, 2.216 lm, 2.955 lm, 3.694 lm

Efficiency
126,7 lm/W (WW), 118,3 lm/W (BB)

Light distribution
25° symmetrical

LED quantity
16 per 280 mm

UGR (<13)
WW: 12,2 / 12,3 & BB: 6,1 / 4,0 (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 a focussed, pinpoint lighting to highlight objects or for general lighting with higher ceilings.

Protection
IP 40 (*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	572 lm	1.144 lm	1.717 lm	2.289 lm	2.861 lm	**98,1**
		black	534 lm	1.069 lm	1.603 lm	2.137 lm	2.671 lm	**91,6**
>90	3.000 K	white	581 lm	1.162 lm	1.743 lm	2.324 lm	2.905 lm	**99,6**
		black	542 lm	1.085 lm	1.627 lm	2.170 lm	2.712 lm	**93,0**
>90	3.500 K	white	590 lm	1.180 lm	1.769 lm	2.359 lm	2.949 lm	**101,1**
		black	551 lm	1.101 lm	1.652 lm	2.203 lm	2.753 lm	**94,4**
>90	4.000 K	white	616 lm	1.232 lm	1.848 lm	2.464 lm	3.080 lm	**105,6**
		black	575 lm	1.150 lm	1.726 lm	2.301 lm	2.876 lm	**98,6**
>80	5.000 K	white	739 lm	1.478 lm	2.216 lm	2.955 lm	3.694 lm	**126,7**
		black	690 lm	1.380 lm	2.070 lm	2.759 lm	3.449 lm	**118,3**

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
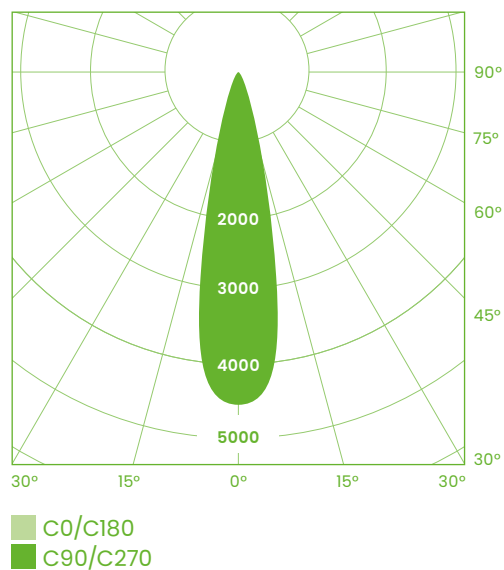
LTwo® schwarz / *black* - 25° flood, 562mm

Application

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

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

https://apl.ag/products/

LTwo® accessories
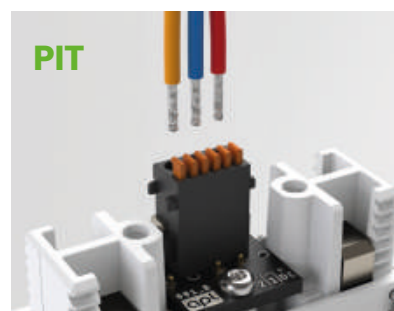
LTwo® magnetic lampholder

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.
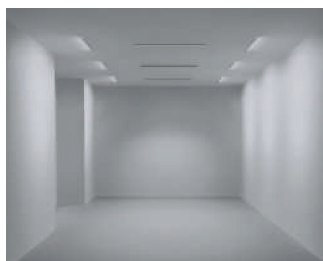

LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Luma-mi® DOWNLIGHT.

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