LTwo® MAG - wall wash
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
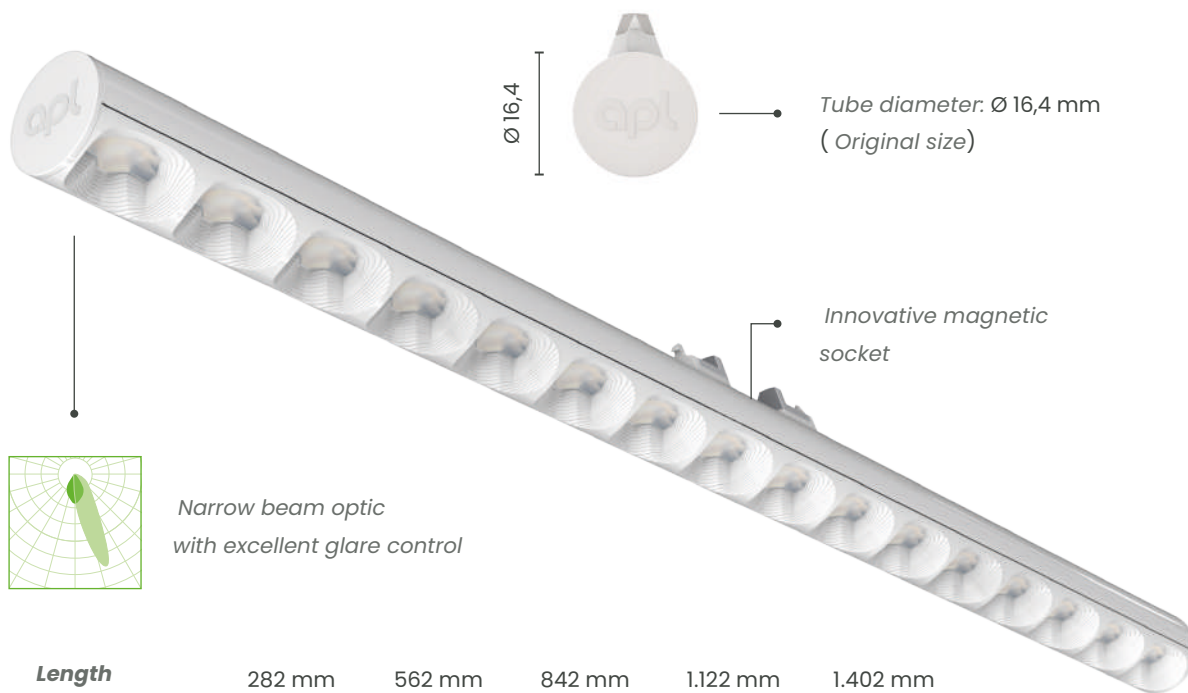
Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
Lumen	684 lm	1.369 lm	2.053 lm	2.737 lm	3.422 lm

Product description

LTwo® - Light Tube with Optics. Wall wash optic with max. 3,422 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
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
684 lm, 1.369 lm, 2.053 lm, 2.737 lm, 3.422 lm

Efficiency
117,3 lm/W (WW), 112,4 lm/W (BB)

Light distribution
Wall wash asymmetrical

LED quantity
16 per 280 mm

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 uniform illumination of a wall across the entire height and width.

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. −20ºC / max. +80ºC

Ambient temperature (Ta)
min. −20ºC / max. +40ºC

Storage temperature (Ts)
min. −20ºC / max. +85ºC

# 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	530 lm	1.060 lm	1.590 lm	2.120 lm	2.650 lm	**90,9**
		black	507 lm	1.015 lm	1.522 lm	2.030 lm	2.537 lm	**87,0**
>90	3.000 K	white	538 lm	1.076 lm	1.614 lm	2.152 lm	2.691 lm	**92,3**
		black	515 lm	1.031 lm	1.546 lm	2.061 lm	2.576 lm	**88,4**
>90	3.500 K	white	546 lm	1.092 lm	1.639 lm	2.185 lm	2.731 lm	**93,7**
		black	523 lm	1.046 lm	1.569 lm	2.092 lm	2.615 lm	**89,7**
>90	4.000 K	white	571 lm	1.141 lm	1.712 lm	2.282 lm	2.853 lm	**97,8**
		black	546 lm	1.093 lm	1.639 lm	2.185 lm	2.732 lm	**93,7**
>80	5.000 K	white	684 lm	1.369 lm	2.053 lm	2.737 lm	3.422 lm	**117,3**
		black	655 lm	1.311 lm	1.966 lm	2.621 lm	3.276 lm	**112,4**

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
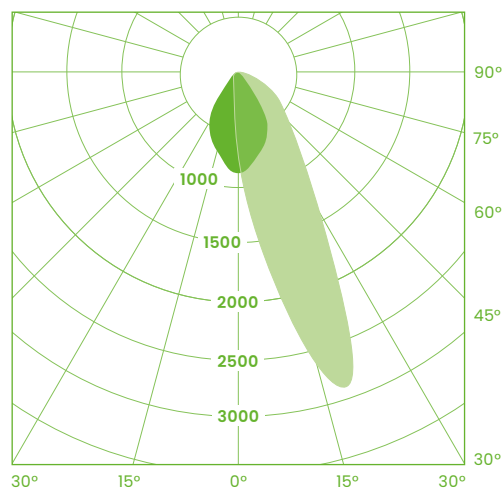
Legend:
- ■ C0/C180
- ■ C90/C270
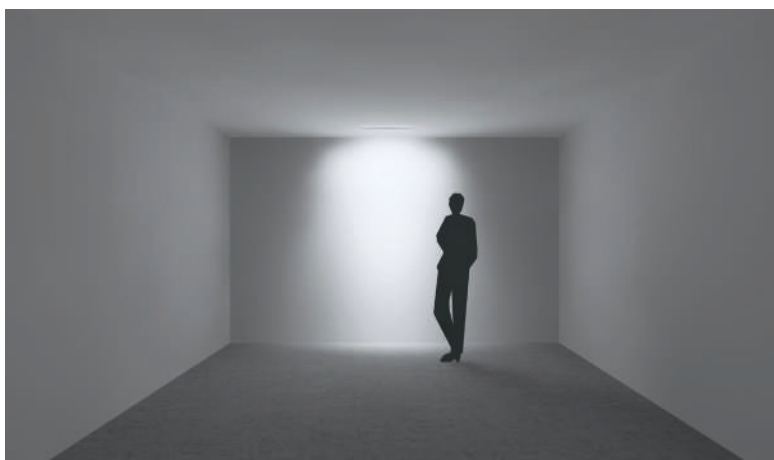
LTwo® schwarz / *black* - wall wash, 562mm

Application

Ideal for a uniform illumina-tion of a wall across the entire height and width.

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
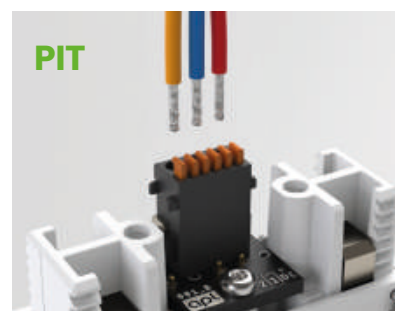
LTwo® magnetic lampholder

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.
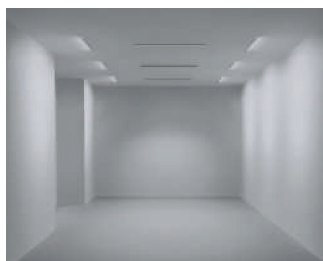

LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Luma-mi® DOWNLIGHT.

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