

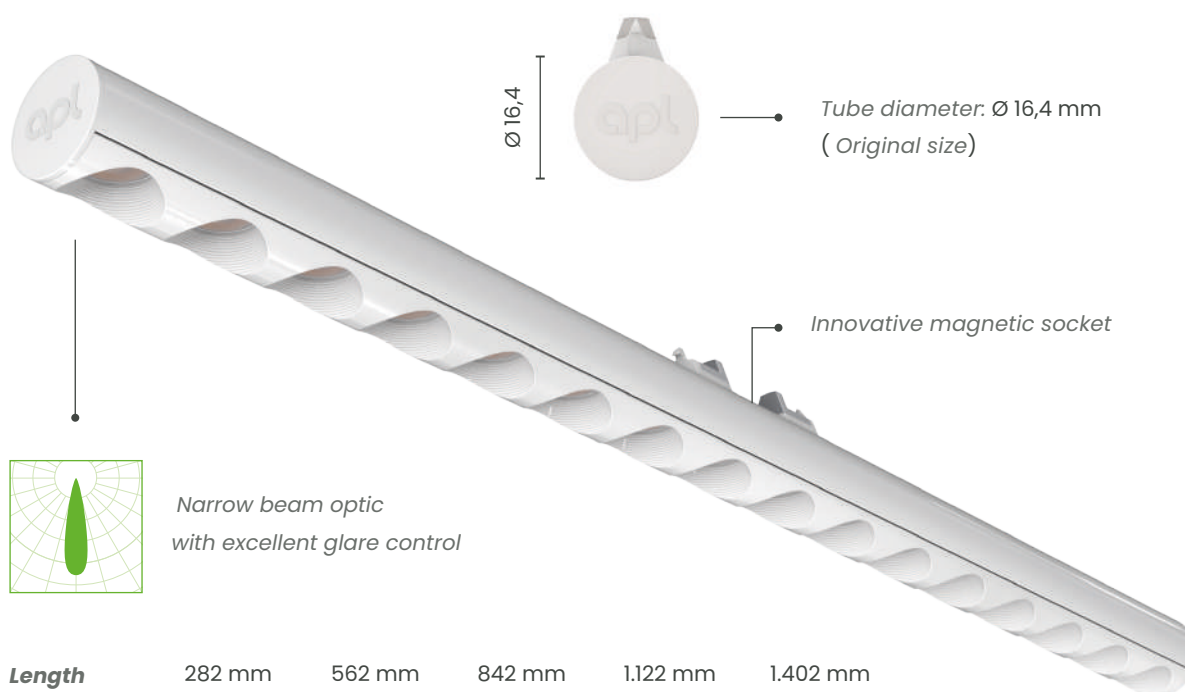
LTwo® MAG – 25° flood

constant voltage

48V – 12 watt/m



reddot winner 2023



Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen	467 lm	934 lm	1.401 lm	1.868 lm	2.335 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 +/-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

12W

SELV

IP40

WHITE

CRI >80

CRI >90

2700 K

3000 K

3500 K

4000 K

5000 K

25°

BLACK

WHITE

60 kh

L80 B10

LM 80

CE

UL

Legende / Legend

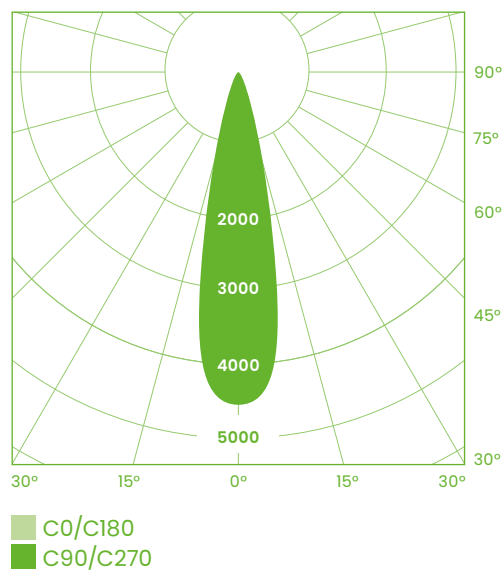
Dimensions Ø 16,4 mm	Binning 3 SDCM
Length 282 mm, 562 mm, 842 mm, 1.122 mm, 1.402 mm	Lifetime 60.000 h L80B10
Weight 56 g, 108 g, 160 g, 212 g, 264 g	Application Ideal for a focussed, pinpoint lighting to highlight objects or for general lighting with higher ceilings.
Housing colour Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)	
Wattages 3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W	Protection IP40 (Indoor use only)
Lumen @ 5.000 K 467 lm, 934 lm, 1.401 lm, 1.868 lm, 2.335 lm	Risk group (IEC 62471:2006) RG 0 (2.700 K – 4.000 K) RG 1 (5.000 K)
Efficiency 135,1 lm/W (WW), 126,2 lm/W (BB)	Operating mode Constant Voltage (CV)
Light distribution 25° symmetrical	Dimmable Yes
LED quantity 16 per 280 mm	Operating voltage 48 V DC -1,0 / +1,75
UGR (<13) WW: 10,6 / 10,7 & BB: 4,5 / 2,4 (4H 8H / 70 50 20 / @1.000 lm)	Housing temperature (Tc) min. -20°C / max. +80°C
LED Pitch 17,5 mm	Ambient temperature (Ta) min. -20°C / max. +45°C
CCT / CRI 2.700 K, 3.000 K, 3.500 K, 4.000 K (>90), 5.000 K (>80)	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	lm/W
>90	2.700 K	white	362 lm	723 lm	1.085 lm	1.447 lm	1.809 lm	104,7
		black	338 lm	676 lm	1.013 lm	1.351 lm	1.689 lm	97,7
>90	3.000 K	white	366 lm	732 lm	1.098 lm	1.465 lm	1.831 lm	105,9
		black	342 lm	684 lm	1.026 lm	1.367 lm	1.709 lm	98,9
>90	3.500 K	white	373 lm	745 lm	1.118 lm	1.491 lm	1.864 lm	107,8
		black	348 lm	696 lm	1.044 lm	1.392 lm	1.740 lm	100,7
>90	4.000 K	white	388 lm	776 lm	1.164 lm	1.552 lm	1.940 lm	112,3
		black	362 lm	725 lm	1.087 lm	1.449 lm	1.812 lm	104,8
>80	5.000 K	white	467 lm	934 lm	1.401 lm	1.868 lm	2.335 lm	135,1
		black	436 lm	872 lm	1.308 lm	1.744 lm	2.180 lm	126,2

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 – 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			

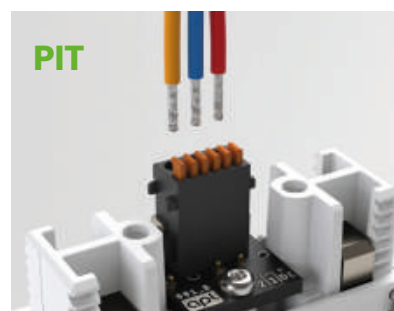
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

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.

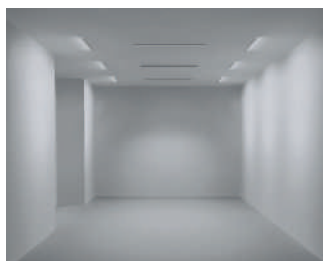


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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