

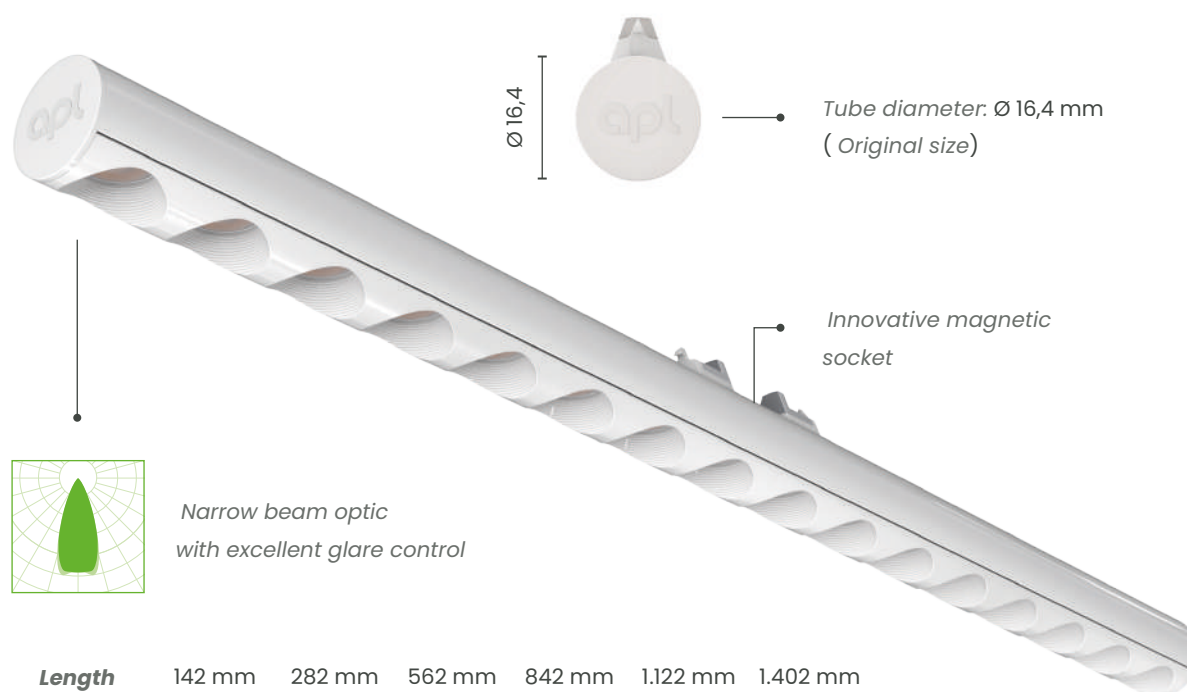
LTwo® MAG – 40° flood

constant current

25 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,8 W	7,2 W	14,0 W	20,8 W	27,6 W	34,5 W
Lumen	475 lm	949 lm	1.899 lm	2.848 lm	3.798 lm	4.747 lm

Product description

LTwo® – Light Tube with Optics. 40° flood optic with max. 4,747 lumen, based on the modular, miniaturized LTwo® light source/ luminaire system with 13 high-quality precision optics and extensive accessories for all lighting applications. With newly developed, multi functional 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

142 mm, 282 mm, 562 mm, 842 mm, 1.122 mm, 1.402 mm

Weight

30 g, 56 g, 108 g, 160 g, 212 g, 264 g

Housing colour

Weiß / White (WW, RAL9016) & Schwarz / Black (BB, RAL9005)

Wattages

3,8 W; 7,2 W; 14,0 W; 20,8 W; 27,6 W; 34,5 W

Lumen @ 5.000 K

475 lm, 949 lm, 1.899 lm, 2.848 lm, 3.798 lm, 4.747 lm

Efficiency

137,4 lm/W (WW), 124,0 lm/W (BB)

Light distribution

40° symmetrical

LED quantity

16 per 280 mm

UGR (<16)

WW: 14,5 / 14,9 & BB: 10,8 / 10,5 (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 illuminating specific areas without scattering the light too much. It is used to create accent lighting or for higher ceilings.

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 Konstantstrom /
Constant current (CC)

Dimmable

Yes

Operating current

142 mm - 1122 mm = max. 600 mA; 1402 mm = max. 750 mA

Housing temperature (T_c)

min. -20°C / max. +80°C

Ambient temperature (T_a)

min. -20°C / max. +35°C

Storage temperature (T_s)

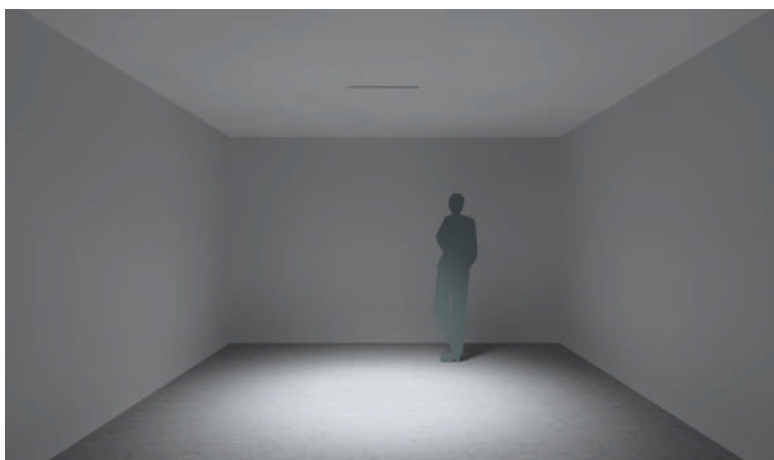
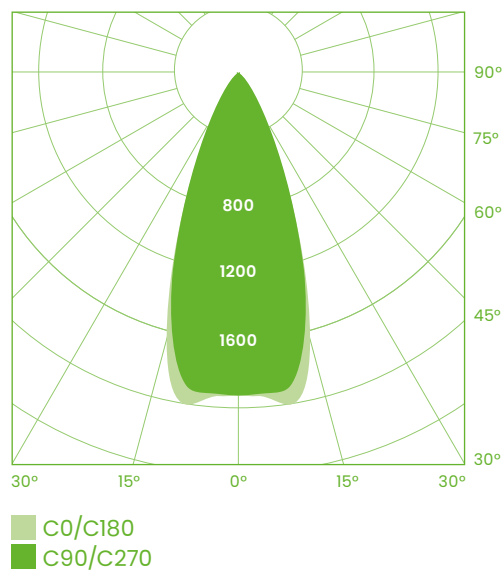
min. -20°C / max. +85°C

Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,8 W (0,6 A x 6 V)	282 mm 7,2 W (0,6 A x 12 V)	562 mm 14,0 W (0,6 A x 23 V)	842 mm 20,8 W (0,6 A x 35 V)	1.122 mm 27,6 W (0,6 A x 46 V)	1.402 mm 34,5 W (0,75 A x 46 V)	lm/W
>90	2.700 K	white	368 lm	736 lm	1.471 lm	2.207 lm	2.942 lm	3.678 lm	106,5
		black	332 lm	664 lm	1.327 lm	1.991 lm	2.654 lm	3.318 lm	96,1
>90	3.000 K	white	372 lm	744 lm	1.489 lm	2.233 lm	2.977 lm	3.721 lm	107,7
		black	336 lm	671 lm	1.343 lm	2.014 lm	2.686 lm	3.357 lm	97,2
>90	3.500 K	white	378 lm	755 lm	1.510 lm	2.266 lm	3.021 lm	3.776 lm	109,3
		black	341 lm	681 lm	1.363 lm	2.044 lm	2.725 lm	3.406 lm	98,6
>90	4.000 K	white	395 lm	790 lm	1.580 lm	2.370 lm	3.161 lm	3.951 lm	114,4
		black	356 lm	713 lm	1.426 lm	2.138 lm	2.851 lm	3.564 lm	103,2
>80	5.000 K	white	475 lm	949 lm	1.899 lm	2.848 lm	3.798 lm	4.747 lm	137,4
		black	428 lm	857 lm	1.713 lm	2.570 lm	3.426 lm	4.283 lm	124,0

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			

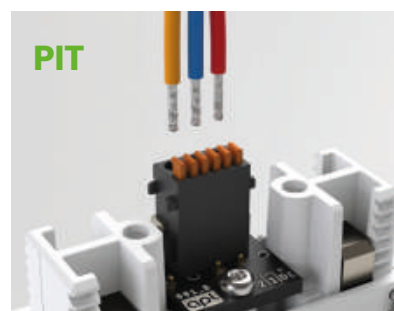
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWV = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse |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

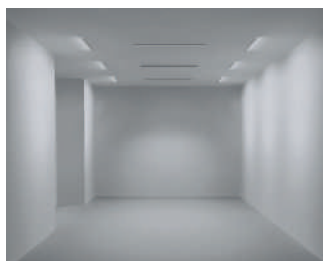


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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