

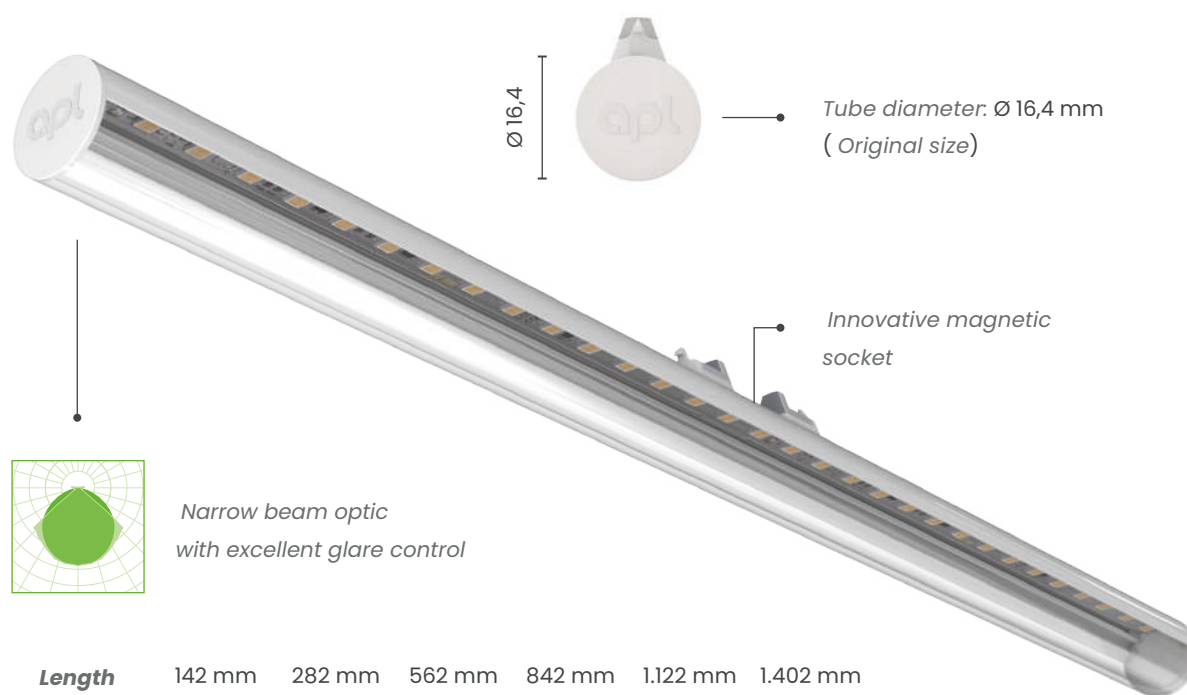
LTwo® MAG – 100° clear

constant current

25 watt/m



reddot winner 2023



Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	3,6 W	6,9 W	13,5 W	20,1 W	26,6 W	33,3 W
Lumen	644 lm	1.287 lm	2.574 lm	3.862 lm	5.149 lm	6.436 lm

Product description

LTwo® – Light Tube with Optics. Clear cover with max. 6,436 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), 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

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

3,6 W; 6,9 W; 13,5 W; 20,1 W; 26,6 W; 33,3 W

Lumen @ 4.000 K

644 lm, 1.287 lm, 2.574 lm, 3.862 lm, 5.149 lm, 6.436 lm

Efficiency

193,3 lm/W (WW), 172,1 lm/W (BB)

Light distribution

100° clear

LED quantity

32 per 280 mm

UGR

WW: 26,1 / 29,8 & BB: 25,1 / 29,5 (4H|8H / 70|50|20 / @1.000 lm)

LED Pitch

8,75 mm

CCT / CRI

2.700 K, 3.000 K, 3.500 K, 4.000 K, 5.000 K (>90)

Binning

3 SDCM

Lifetime

60.000 h L80B10

Application

Ideal when a lot of light, with high efficiency and without special glare control requirements is needed.

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 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

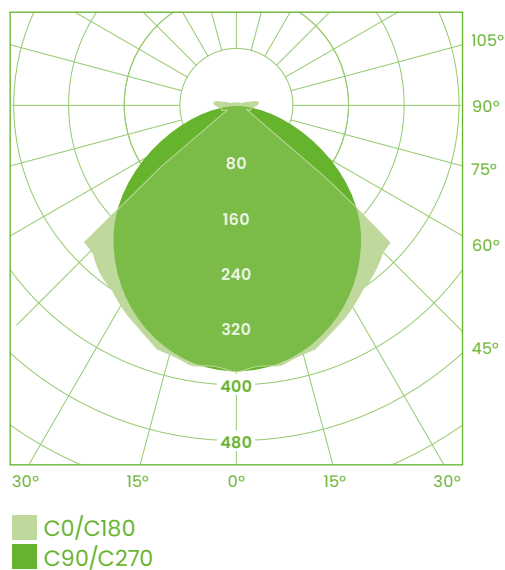
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,6 W (0,6 A x 6 V)	282 mm 6,9 W (0,6 A x 12 V)	562 mm 13,5 W (0,6 A x 23 V)	842 mm 20,1 W (0,6 A x 33 V)	1.122 mm 26,6 W (0,6 A x 44 V)	1.402 mm 33,3 W (0,75 A x 44 V)	lm/W
>90	2.700 K	white	601 lm	1.203 lm	2.405 lm	3.608 lm	4.810 lm	6.013 lm	180,6
		black	536 lm	1.071 lm	2.142 lm	3.213 lm	4.284 lm	5.355 lm	160,8
>90	3.000 K	white	611 lm	1.221 lm	2.442 lm	3.663 lm	4.884 lm	6.106 lm	183,3
		black	544 lm	1.088 lm	2.175 lm	3.263 lm	4.350 lm	5.438 lm	163,3
>90	3.500 K	white	628 lm	1.255 lm	2.511 lm	3.766 lm	5.022 lm	6.277 lm	188,5
		black	559 lm	1.118 lm	2.236 lm	3.354 lm	4.472 lm	5.591 lm	167,9
>90	4.000 K	white	644 lm	1.287 lm	2.574 lm	3.862 lm	5.149 lm	6.436 lm	193,3
		black	573 lm	1.146 lm	2.293 lm	3.439 lm	4.585 lm	5.732 lm	172,1
>90	5.000 K	white	636 lm	1.271 lm	2.543 lm	3.814 lm	5.085 lm	6.357 lm	190,9
		black	566 lm	1.132 lm	2.264 lm	3.397 lm	4.529 lm	5.661 lm	170,0

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 – 100° clear, 562mm

Application

Ideal when a lot of light, with high efficiency and without special glare control requirements is needed.

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			

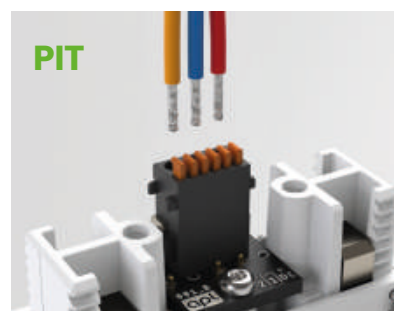
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse |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

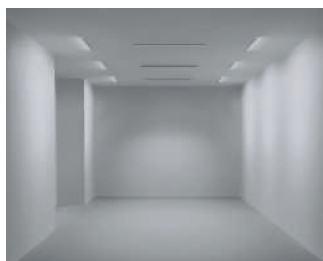


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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