

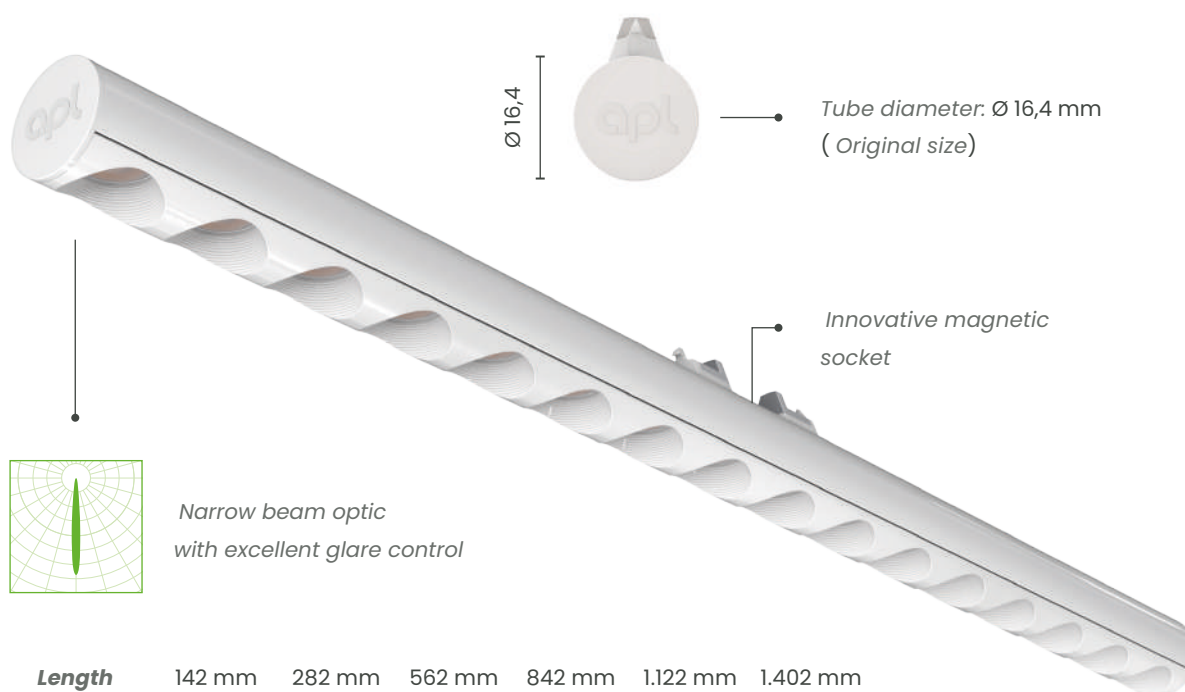
LTwo® MAG – 10° high bay

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	497 lm	994 lm	1.988 lm	2.982 lm	3.977 lm	4.971 lm

Product description

LTwo® – Light Tube with Optics. 10° high bay optic with max. 4,971 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



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

497 lm, 994 lm, 1.988 lm, 2.982 lm, 3.977 lm, 4.971 lm

Efficiency

143,9 lm/W (WW), 135,8 lm/W (BB)

Light distribution

10° symmetrical

LED quantity

16 per 280 mm

UGR (<13)

WW: 10,7 / 11,1 & BB: -2,8 / -6,1 (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 lighting from a great height.

Protection

IP40 (Nur für Innenräume / 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

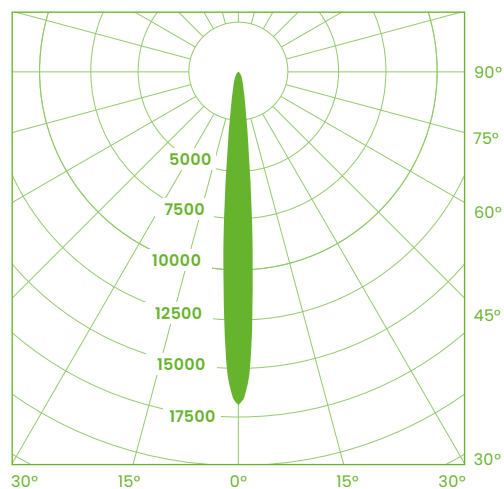
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	142 mm 3,8 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	385 lm	770 lm	1.540 lm	2.311 lm	3.081 lm	3.851 lm	111,5
		black	363 lm	727 lm	1.454 lm	2.181 lm	2.908 lm	3.634 lm	105,2
>90	3.000 K	white	390 lm	779 lm	1.559 lm	2.338 lm	3.117 lm	3.897 lm	112,8
		black	368 lm	736 lm	1.471 lm	2.207 lm	2.942 lm	3.678 lm	106,5
>90	3.500 K	white	395 lm	791 lm	1.582 lm	2.372 lm	3.163 lm	3.954 lm	114,5
		black	373 lm	746 lm	1.493 lm	2.239 lm	2.985 lm	3.732 lm	108,0
>90	4.000 K	white	414 lm	827 lm	1.655 lm	2.482 lm	3.309 lm	4.137 lm	119,8
		black	390 lm	781 lm	1.562 lm	2.342 lm	3.123 lm	3.904 lm	113,0
>80	5.000 K	white	497 lm	994 lm	1.988 lm	2.982 lm	3.977 lm	4.971 lm	143,9
		black	469 lm	938 lm	1.877 lm	2.815 lm	3.753 lm	4.691 lm	135,8

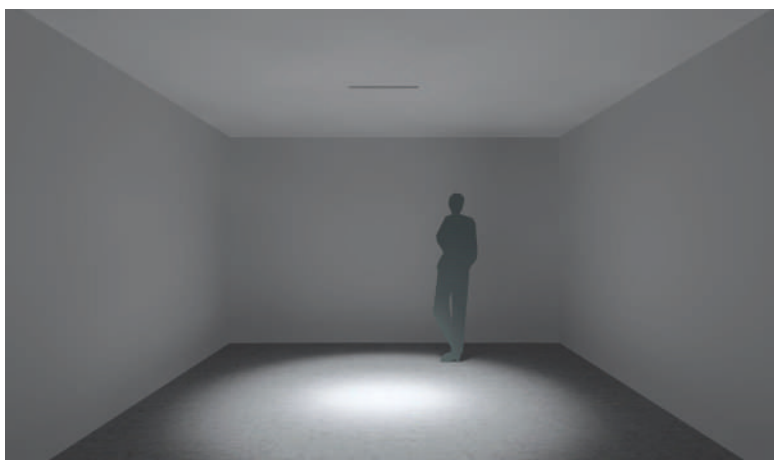
Optical and electronic data have a tolerance of ±10 %.

The T_c point must be measured at thermal equilibrium in accordance with IEC EN 60598-1

Light distribution



■ C0/C180
■ C90/C270



LTwo® schwarz / black – 10° high bay, 562mm

Application

Ideal for lighting from a great height.

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

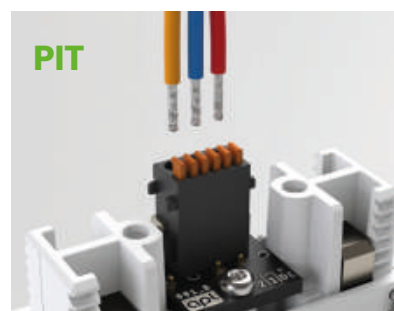
L = Length (mm)
 142-1402 = 142 mm | 82 mm | 62 mm | 42 mm | 122 mm | 402 mm
PC = Photometric code
 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K
C = Housing colour
 BB | WW = Black | White
LH = Luminaire holder
 MAG = Magnetic luminaire holder
IP = Protection class
 IP40 = 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.

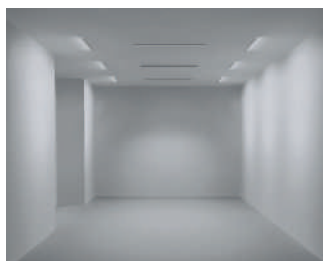


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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