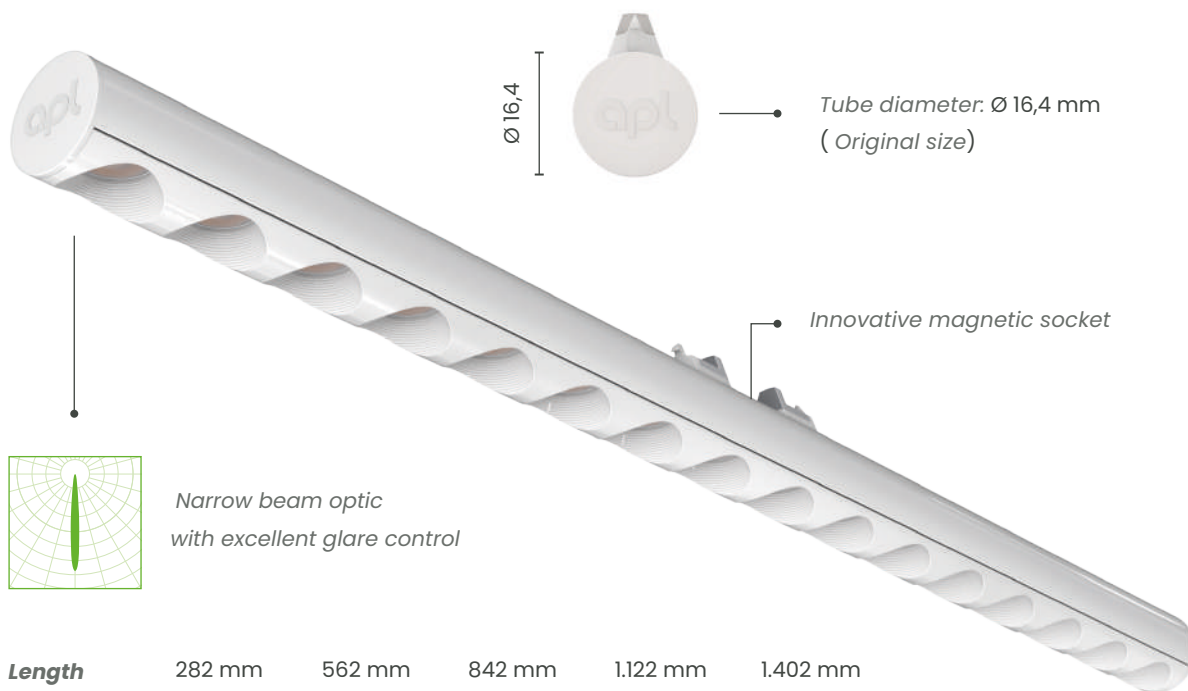


LTwo® MAG – 10° high bay

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	487 lm	974 lm	1.460 lm	1.947 lm	2.434 lm

Product description

LTwo® – Light Tube with Optics. 10° high bay optic with max. 3,851 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



Legend

Dimensions

Ø 16,4 mm

Length

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

Weight

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

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

Lumen @ 5.000 K

487 lm, 974 lm, 1.460 lm, 1.947 lm, 2.434 lm

Efficiency

140,9 lm/W (WW), 132,9 lm/W (BB)

Light distribution

10° symmetrical

LED quantity

16 per 280 mm

UGR (<13)

WW: 8,2 / 8,7 & BB: -5,3 / -8,6 (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 (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. -20°C / max. +80°C

Ambient temperature (Ta)

min. -20°C / max. +45°C

Storage temperature (Ts)

min. -20°C / max. +85°C

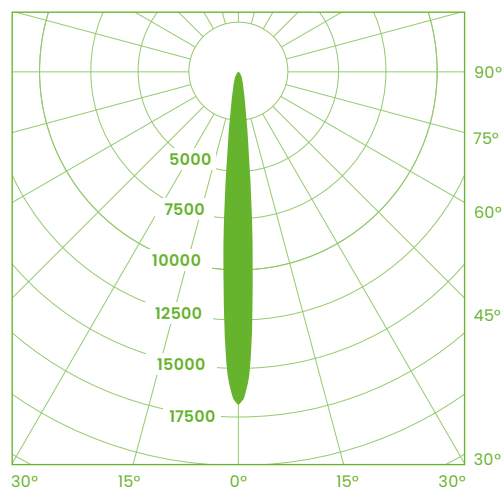
Length, lumen, watt

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	377 lm	754 lm	1.131 lm	1.508 lm	1.885 lm	109,1
		black	356 lm	712 lm	1.068 lm	1.424 lm	1.779 lm	103,0
>90	3.000 K	white	382 lm	763 lm	1.145 lm	1.527 lm	1.908 lm	110,4
		black	360 lm	720 lm	1.081 lm	1.441 lm	1.801 lm	104,2
>90	3.500 K	white	389 lm	777 lm	1.166 lm	1.554 lm	1.943 lm	112,4
		black	367 lm	733 lm	1.100 lm	1.467 lm	1.833 lm	106,1
>90	4.000 K	white	405 lm	809 lm	1.214 lm	1.618 lm	2.023 lm	117,0
		black	382 lm	764 lm	1.145 lm	1.527 lm	1.909 lm	110,5
>80	5.000 K	white	487 lm	974 lm	1.460 lm	1.947 lm	2.434 lm	140,9
		black	459 lm	919 lm	1.378 lm	1.838 lm	2.297 lm	132,9

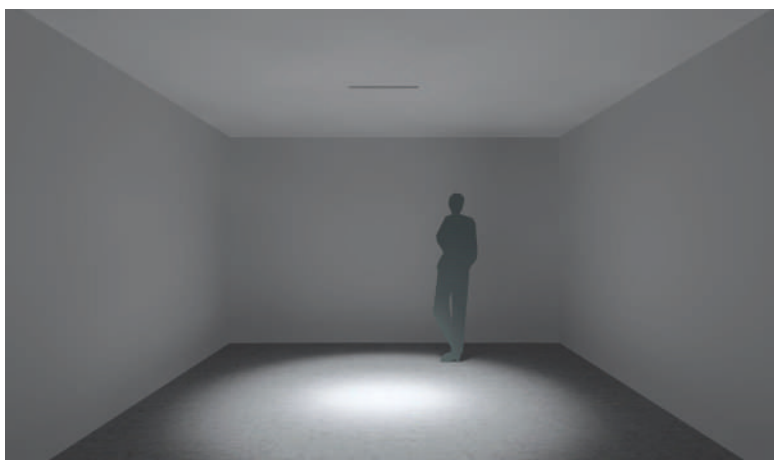
Optical and electronic data have a tolerance of ±10 %.

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

Light distribution



■ 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 | BWW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

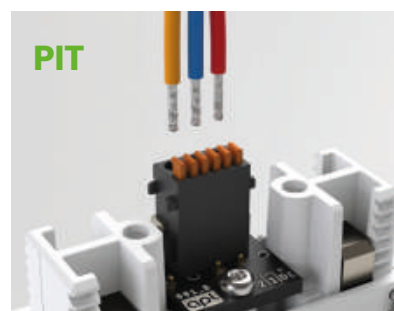
L = Length (mm)
 142-1402 = 142 mm | 282 mm | 562 mm | 842 mm | 1122 mm | 1402 mm
PC = Photometric code
 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K
C = Housing colour
 BB | WW = Black | White
LH = Luminaire holder
 MAG = Magnetic luminaire holder
IP = Protection class
 IP40 = 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.

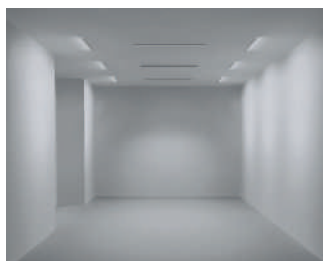


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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