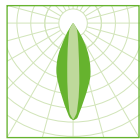
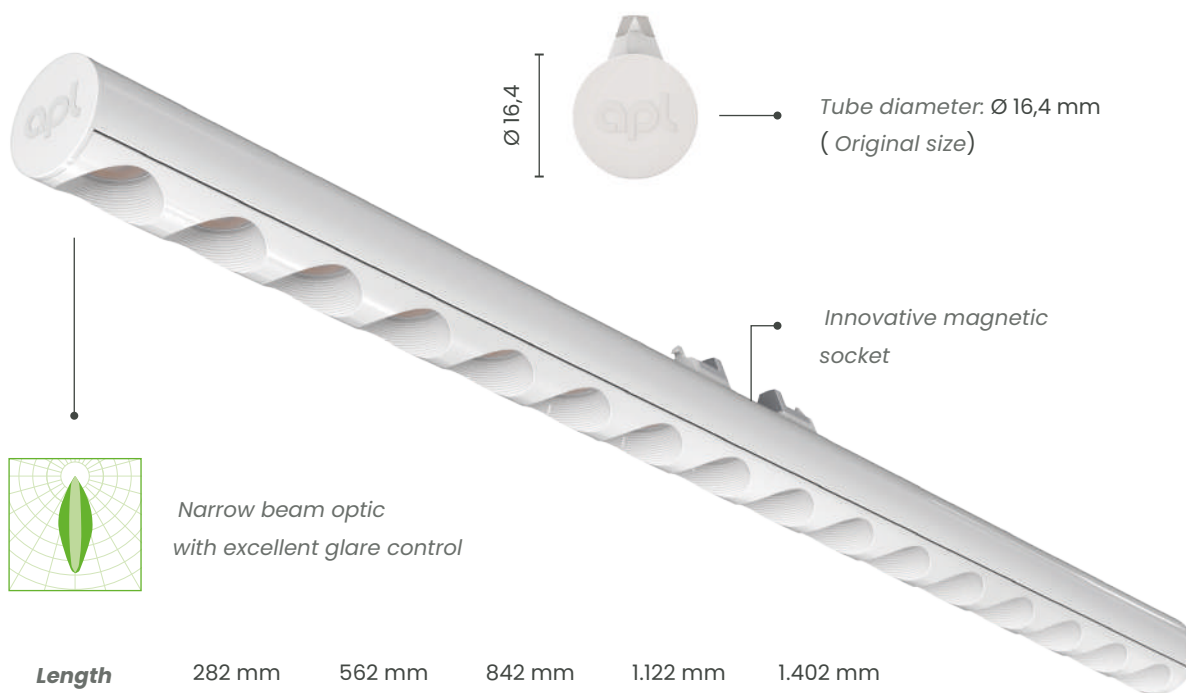


LTwo® MAG – 13° x 40° oval

constant voltage 48V – 20 watt/m



reddot winner 2023



Narrow beam optic
with excellent glare control

Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Power	5,8 W	11,7 W	17,5 W	23,3 W	29,2 W
Lumen	757 lm	1.513 lm	2.270 lm	3.027 lm	3.784 lm

Product description

LTwo® - Light Tube with Optics. 13° x 40° oval optic with max. 3,784 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

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

5,8 W; 11,7 W; 17,5 W; 23,3 W; 29,2 W

Lumen @ 5.000 K

757 lm, 1.513 lm, 2.270 lm, 3.027 lm, 3.784 lm

Efficiency

129,8 lm/W (WW), 117,7 lm/W (BB)

Light distribution

13° x 40° oval

LED quantity

16 per 280 mm

UGR (<19)

WW: 14,7 / 17,3 & BB: 7,9 / 14,3 (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

Application

Ideal for grazing light applications to emphasize surface structures on walls or facades.

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

Konstantspannung /

Constant Voltage (CV)

Dimmable

Yes

Operating voltage

48 V DC -1,0 / +1,75

Housing temperature (T_c)

min. -20°C / max. +80°C

Ambient temperature (T_a)

min. -20°C / max. +40°C

Storage temperature (T_s)

min. -20°C / max. +85°C

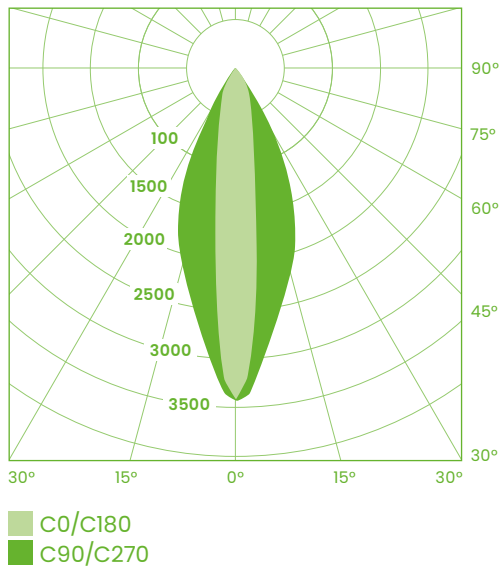
Length, lumen, watt

CRI	CCT / Kelvin	Farbe / Color	282 mm 5,8 W	562 mm 11,7 W	842 mm 17,5 W	1.122 mm 23,5 W	1.402 mm 29,2 W	lm/W
>90	2.700 K	white	586 lm	1.172 lm	1.758 lm	2.344 lm	2.930 lm	100,5
		black	532 lm	1.063 lm	1.595 lm	2.127 lm	2.658 lm	91,2
>90	3.000 K	white	595 lm	1.190 lm	1.785 lm	2.380 lm	2.975 lm	102,0
		black	540 lm	1.080 lm	1.619 lm	2.159 lm	2.699 lm	92,6
>90	3.500 K	white	604 lm	1.208 lm	1.812 lm	2.416 lm	3.020 lm	103,6
		black	548 lm	1.096 lm	1.644 lm	2.192 lm	2.740 lm	94,0
>90	4.000 K	white	631 lm	1.262 lm	1.893 lm	2.524 lm	3.155 lm	108,2
		black	572 lm	1.145 lm	1.717 lm	2.290 lm	2.862 lm	98,2
>80	5.000 K	white	757 lm	1.513 lm	2.270 lm	3.027 lm	3.784 lm	129,8
		black	686 lm	1.373 lm	2.059 lm	2.746 lm	3.432 lm	117,7

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 – 13° x 40° oval, 562mm

Application

Ideal for grazing light applications to emphasize surface structures on walls or facades.

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			

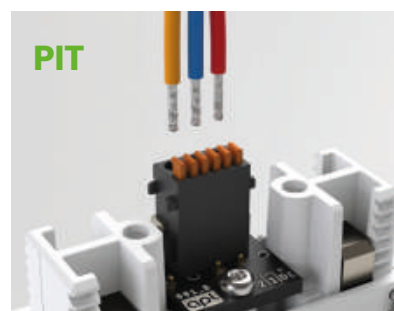
OP = Operating mode
 CV = Constant Voltage
 CC = Constant Current
NP = Nominal power per m (W/m)
 12-25 = 12 W/m | 20 W/m | 25 W/m
Optic = Optic (Degree)
 10-60 = 10° HB | 13° | 25° | 40° | 60°
 BWN | BW = Batwing narrow | Batwing wide
 OVL | WW = Oval | Wall washer
 OP | DF | CL = Opal | Diffuse | Clear

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.

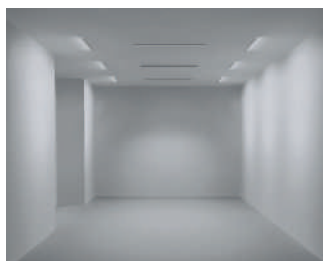


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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