

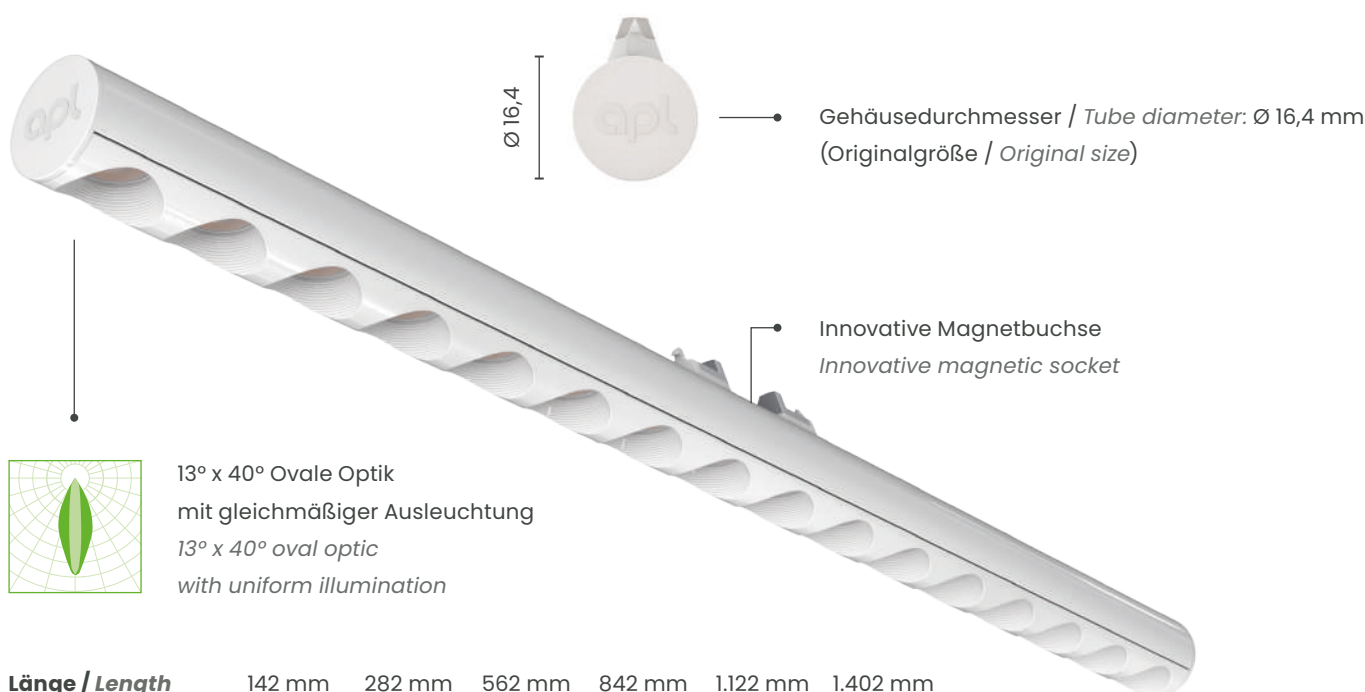
LTwo® MAG – 13° x 40° oval

constant current

25 watt/m



reddot winner 2023



Länge / Length	142 mm	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Leistung / Power	3,8 W	7,2 W	14,0 W	20,8 W	27,6 W	34,5 W
Lumen / Lumen	488 lm	977 lm	1.954 lm	2.930 lm	3.907 lm	4.884 lm

Produktbeschreibung

LTwo® – Light Tube with Optics. 13° x 40° ovale Optik mit max. 4.884 Lumen, basierend auf dem modularen, miniaturisierten LTwo® Lichtquellen-/Leuchtensystem mit 13 hochwertigen Präzisionsoptiken und umfangreichem Zubehör für alle Beleuchtungsanwendungen. Mit neu entwickelter, multifunktionaler Lampen-/Leuchtenfassung für einfache, werkzeuglose, magnetische Installation und Winkeleinstellung in +/-20°, sowie Verriegelung. Kodierter Sockel für sicheren Betrieb von Lampen-/Leuchten mit unterschiedlichen Betriebsarten in Konstantspannung oder Konstantstrom. Sehr umweltfreundlich durch einen minimalen Materialeinsatz (180g/m), die Austauschbarkeit, die Recyclingfähigkeit und eine hohe Effizienz (bis zu 193 lm/W). Optimal geeignet für die Gebäude- und Materialintegration sowie den Bau von Leuchten oder Verwendung mit vielfältigem Zubehör von apl.

Product description

LTTwo® – Light Tube with Optics. 13° x 40° oval optic with max. 4,884 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

488 lm, 977 lm, 1.954 lm, 2.930 lm, 3.907 lm, 4.884 lm

Efficiency

141,4 lm/W (WW), 128,3 lm/W (BB)

Light distribution

13° x 40° oval

LED quantity

16 per 280 mm

UGR (<19)

WW: 15,6 / 18,2 & BB: 7,8 / 14,2 (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 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

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)

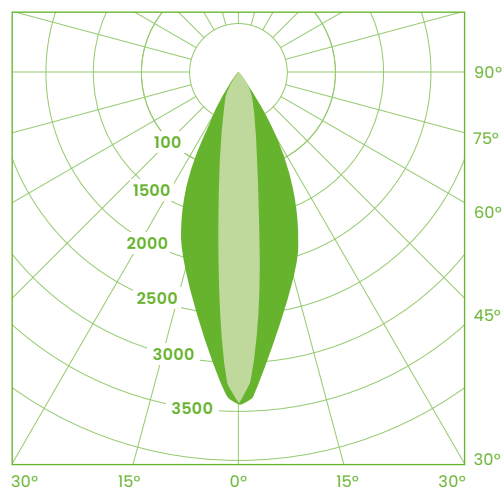
min. -20°C / max. +85°C

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	378 lm	757 lm	1.513 lm	2.270 lm	3.027 lm	3.784 lm	109,5
		black	343 lm	686 lm	1.373 lm	2.059 lm	2.746 lm	3.432 lm	99,4
>90	3.000 K	white	383 lm	766 lm	1.531 lm	2.297 lm	3.063 lm	3.829 lm	110,8
		black	347 lm	695 lm	1.389 lm	2.084 lm	2.779 lm	3.473 lm	100,6
>90	3.500 K	white	388 lm	777 lm	1.554 lm	2.331 lm	3.108 lm	3.885 lm	112,5
		black	352 lm	705 lm	1.410 lm	2.114 lm	2.819 lm	3.524 lm	102,0
>90	4.000 K	white	406 lm	813 lm	1.626 lm	2.439 lm	3.251 lm	4.064 lm	117,7
		black	369 lm	737 lm	1.475 lm	2.212 lm	2.950 lm	3.687 lm	106,7
>80	5.000 K	white	488 lm	977 lm	1.954 lm	2.930 lm	3.907 lm	4.884 lm	141,4
		black	443 lm	886 lm	1.772 lm	2.658 lm	3.544 lm	4.431 lm	128,3

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 – 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

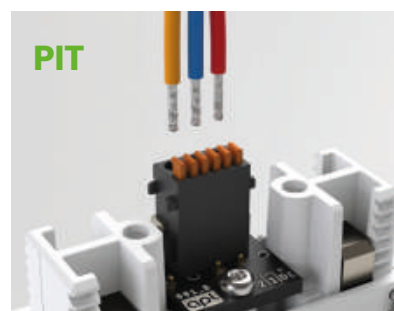
L = Length (mm)
 142-1402 = 142 mm | 82 mm | 62 mm | 42 mm | 122 mm | 402 mm
PC = Photometric code
 927-950 = CRI >90 | CRI >80 | 2.700K | 3.000K | 3.500K | 4.000K | 5.000K
C = Housing colour
 BB | WW = Black | White
LH = Luminaire holder
 MAG = Magnetic luminaire holder
IP = Protection class
 IP40 =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

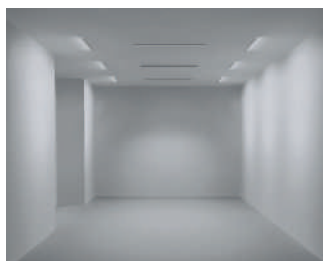


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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