

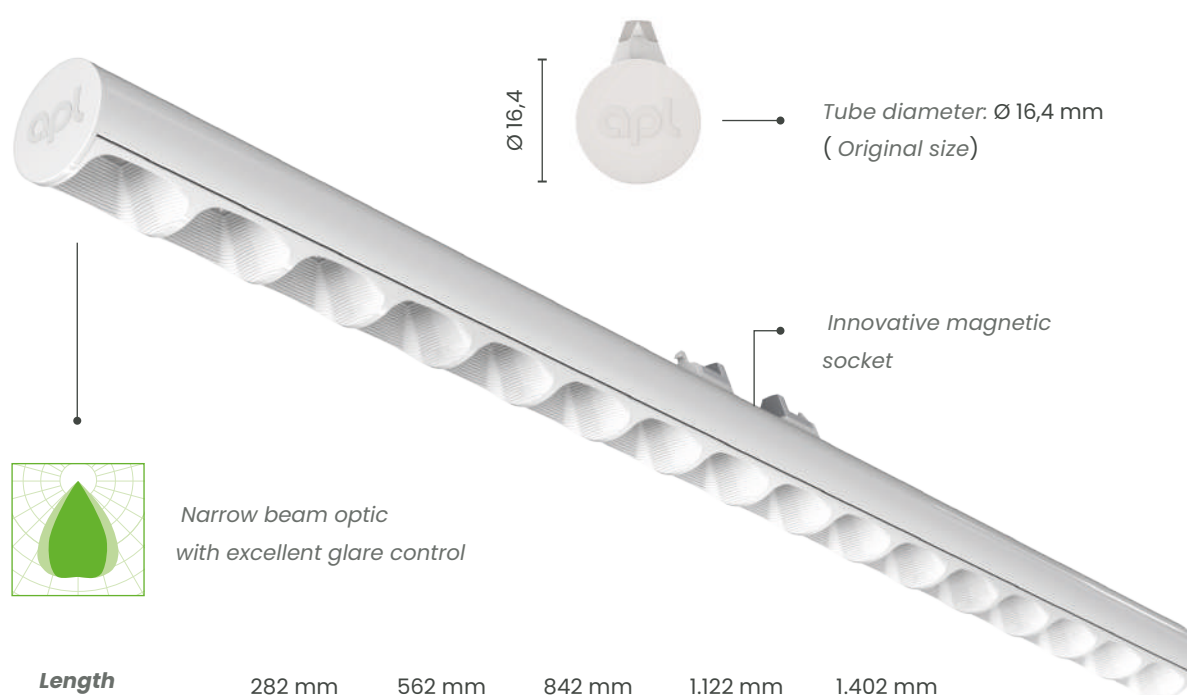
LTwo® MAG – batwing wide

constant voltage

48V – 20 watt/m



reddot winner 2023



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	715 lm	1.430 lm	2.145 lm	2.860 lm	3.574 lm

Product description

LTwo® – Light Tube with Optics. Wide beam optic with max. 3,574 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

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

Weight

53 g, 105 g, 157 g, 209 g, 261 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

715 lm, 1.430 lm, 2.145 lm, 2.860 lm, 3.574 lm

Efficiency

122,6 lm/W (WW), 94,8 lm/W (BB)

Light distribution

Batwing wide

LED quantity

16 per 280 mm

UGR (<22)

WW: 21,2 / 17,3 & BB: 19,4 / 14,0 (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

Specifically design-*ned* for use with the apl desk lamp Lumami® DESK for uniform and glare free illumination of the workspace.

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. +40°C

Storage temperature (Ts)

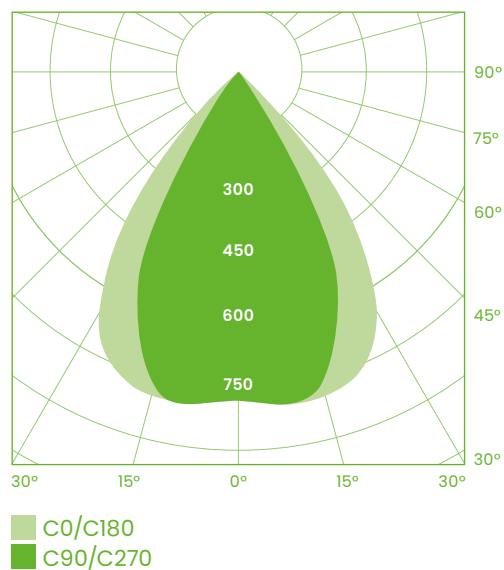
min. -20°C / max. +85°C

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	554 lm	1.107 lm	1.661 lm	2.215 lm	2.768 lm	94,9
		black	428 lm	856 lm	1.284 lm	1.713 lm	2.141 lm	73,4
>90	3.000 K	white	562 lm	1.124 lm	1.686 lm	2.249 lm	2.811 lm	96,4
		black	435 lm	869 lm	1.304 lm	1.739 lm	2.174 lm	74,5
>90	3.500 K	white	571 lm	1.141 lm	1.712 lm	2.283 lm	2.853 lm	97,8
		black	441 lm	883 lm	1.324 lm	1.765 lm	2.206 lm	75,7
>90	4.000 K	white	596 lm	1.192 lm	1.788 lm	2.384 lm	2.980 lm	102,2
		black	461 lm	922 lm	1.383 lm	1.844 lm	2.305 lm	79,0
>80	5.000 K	white	715 lm	1.430 lm	2.145 lm	2.860 lm	3.574 lm	122,6
		black	553 lm	1.106 lm	1.658 lm	2.211 lm	2.764 lm	94,8

Optical and electronic data have a tolerance of $\pm 10\%$.
The TC point must be measured at thermal equilibrium in accordance with IEC EN 60598-1

Light distribution



LTwo® schwarz / black – batwing wide, 562mm

Application

Specifically designed for use with the apl desk lamp Lumami® DESK for uniform and glare free illumination of the work-space.

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 | BWV = 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

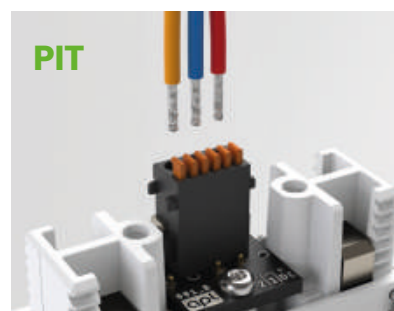
IP40 = Indoor use only



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.

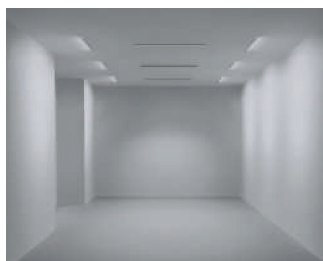


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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