

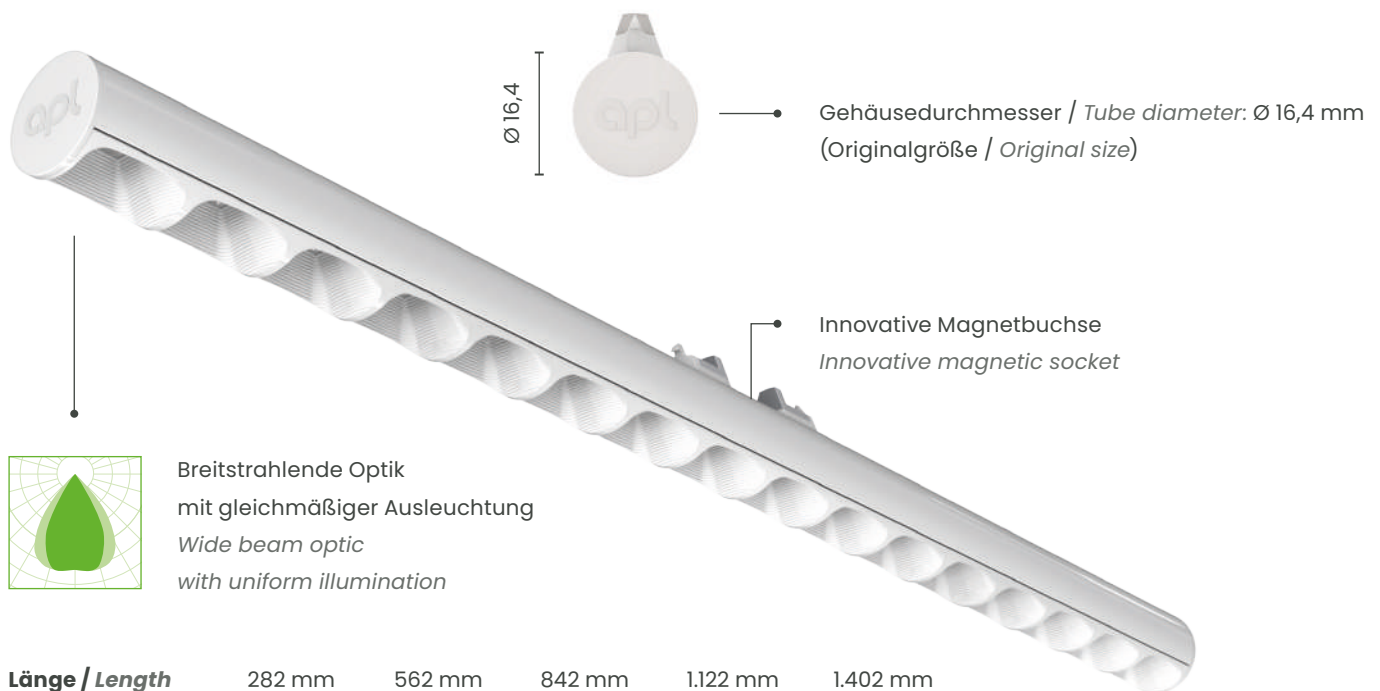
LTwo® MAG – batwing wide

constant voltage

48V – 12 watt/m



reddot winner 2023



Länge / Length	282 mm	562 mm	842 mm	1.122 mm	1.402 mm
Leistung / Power	3,5 W	6,9 W	10,4 W	13,8 W	17,3 W
Lumen / Lumen	452 lm	904 lm	1.356 lm	1.807 lm	2.259 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

CV

48V

12W

SELV

IP40

WHITE

CRI >80

CRI >90

2700 K

3000 K

3500 K

4000 K

5000 K

BWW

BLACK

WHITE

60 kh

L80 B10

LM 80

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

3,5 W; 6,9 W; 10,4 W; 13,8 W; 17,3 W

Lumen @ 5.000 K

452 lm, 904 lm, 1.356 lm, 1.807 lm, 2.259 lm

Efficiency

130,7 lm/W (WW), 101,1 lm/W (BB)

Light distribution

Batwing wide

LED quantity

16 per 280 mm

UGR (<22)

WW: 19,6 / 15,7 & BB: 17,8 / 12,4 (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 illuminn*ation* 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. +45°C

Storage temperature (Ts)

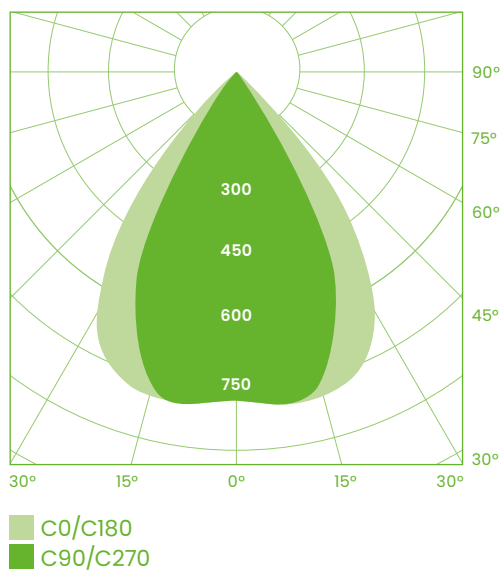
min. -20°C / max. +85°C

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	350 lm	700 lm	1.050 lm	1.400 lm	1.750 lm	101,3
		black	271 lm	541 lm	812 lm	1.083 lm	1.353 lm	78,3
>90	3.000 K	white	354 lm	709 lm	1.063 lm	1.417 lm	1.771 lm	102,5
		black	274 lm	548 lm	822 lm	1.096 lm	1.370 lm	79,3
>90	3.500 K	white	361 lm	721 lm	1.082 lm	1.443 lm	1.803 lm	104,3
		black	279 lm	558 lm	837 lm	1.115 lm	1.394 lm	80,7
>90	4.000 K	white	375 lm	751 lm	1.126 lm	1.502 lm	1.877 lm	108,6
		black	290 lm	581 lm	871 lm	1.161 lm	1.452 lm	84,0
>80	5.000 K	white	452 lm	904 lm	1.356 lm	1.807 lm	2.259 lm	130,7
		black	349 lm	699 lm	1.048 lm	1.398 lm	1.747 lm	101,1

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 – 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 | BWW = 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

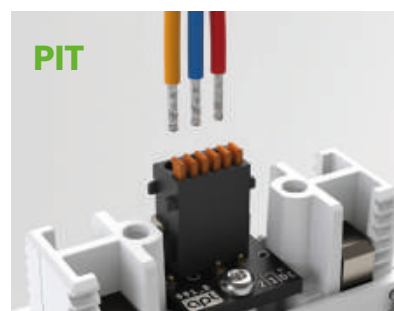
IP40 = Indoor use only



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.

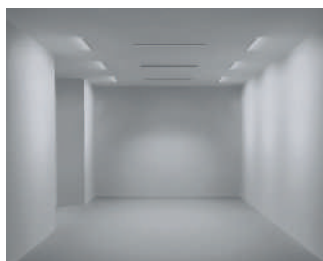


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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