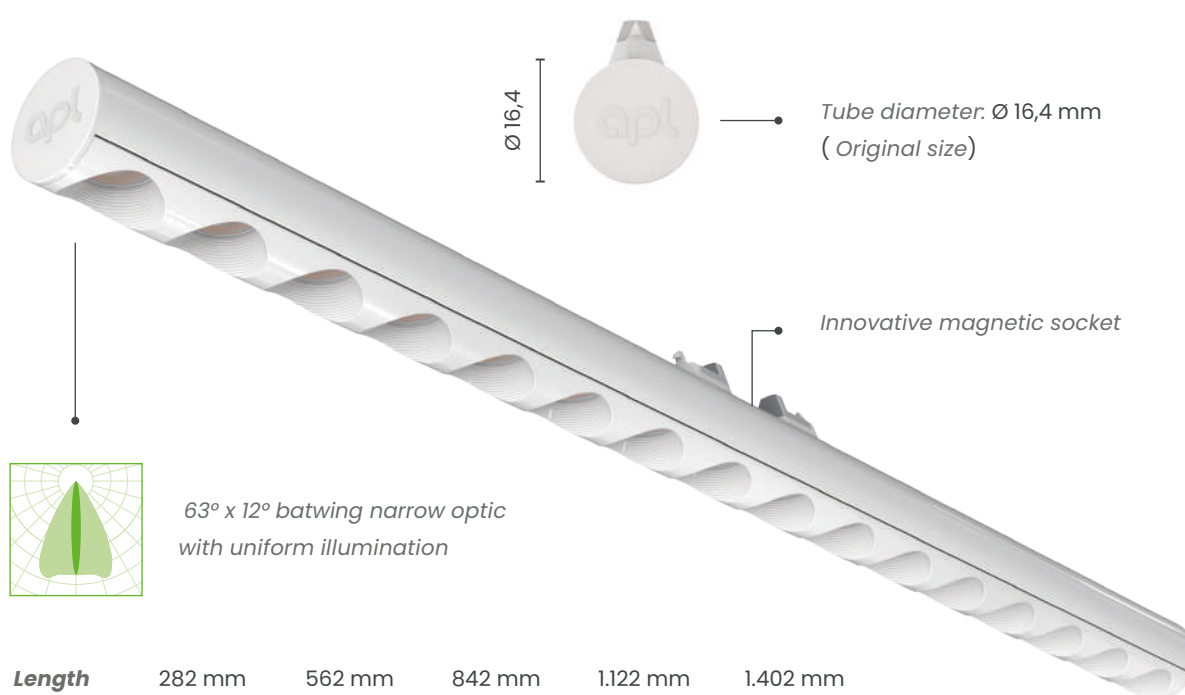


LTwo® MAG – batwing narrow

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	465 lm	930 lm	1.395 lm	1.861 lm	2.326 lm

Product description

LTwo® – Light Tube with Optics. 63° x 12° batwing narrow op-tic with max. 3,680 lumen, based on the modular, miniaturized 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

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

Lumen @ 5.000 K

465 lm, 930 lm, 1.395 lm, 1.861 lm, 2.326 lm

Efficiency

134,6 lm/W (WW), 117 lm/W (BB)

Light distribution

63° x 12° batwing narrow

LED quantity

16 per 280 mm

UGR (<19)

WW: 17,9 / 13,3 & BB: 16,6 / 3,3 (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 L80B10

Application

Linear batwing optic for precise and efficient illumination of aisles and rows of shelves.

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

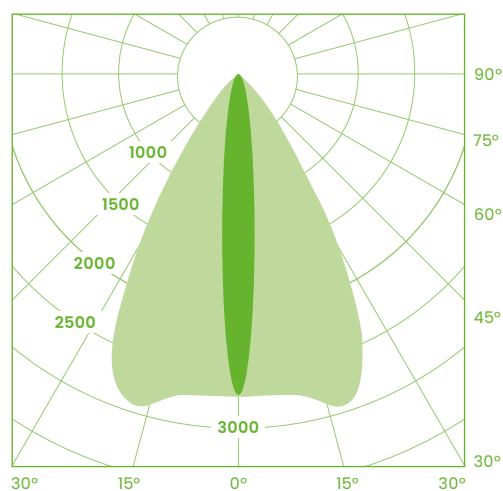
Length, lumen, watt

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	360 lm	721 lm	1.081 lm	1.441 lm	1.802 lm	104,3
		black	313 lm	626 lm	940 lm	1.253 lm	1.566 lm	90,6
>90	3.000 K	white	365 lm	729 lm	1.094 lm	1.459 lm	1.823 lm	105,5
		black	317 lm	634 lm	951 lm	1.268 lm	1.585 lm	91,7
>90	3.500 K	white	371 lm	742 lm	1.114 lm	1.485 lm	1.856 lm	107,4
		black	323 lm	645 lm	968 lm	1.291 lm	1.614 lm	93,4
>90	4.000 K	white	387 lm	773 lm	1.160 lm	1.546 lm	1.933 lm	111,8
		black	336 lm	672 lm	1.008 lm	1.344 lm	1.680 lm	97,2
>80	5.000 K	white	465 lm	930 lm	1.395 lm	1.861 lm	2.326 lm	134,6
		black	404 lm	809 lm	1.213 lm	1.617 lm	2.022 lm	117,0

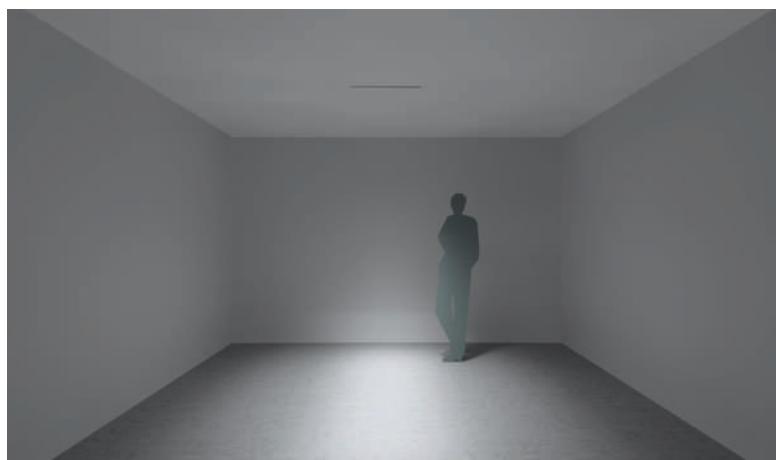
Optical and electronic data have a tolerance of ±10 %.

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 – batwing narrow, 562mm

Application

Linear batwing optic for precise and efficient illumination of aisles and rows of shelves.

Order code

Product	OP	NP	Optic	L	PC	C	LH	IP
APL-LTwoT5	CV	12	BWN				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

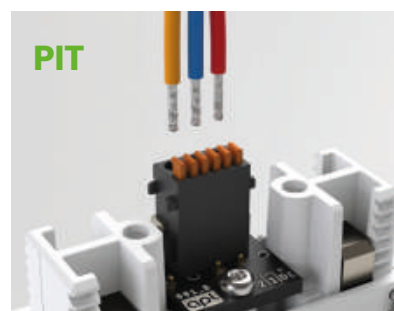
IP40 = Indoor use only



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.

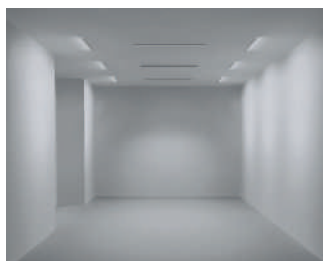


LTwo® as linear Downlight To use the LTwo as a linear downlight from the standard mounting holes, use Lumami® DOWNLIGHT.



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