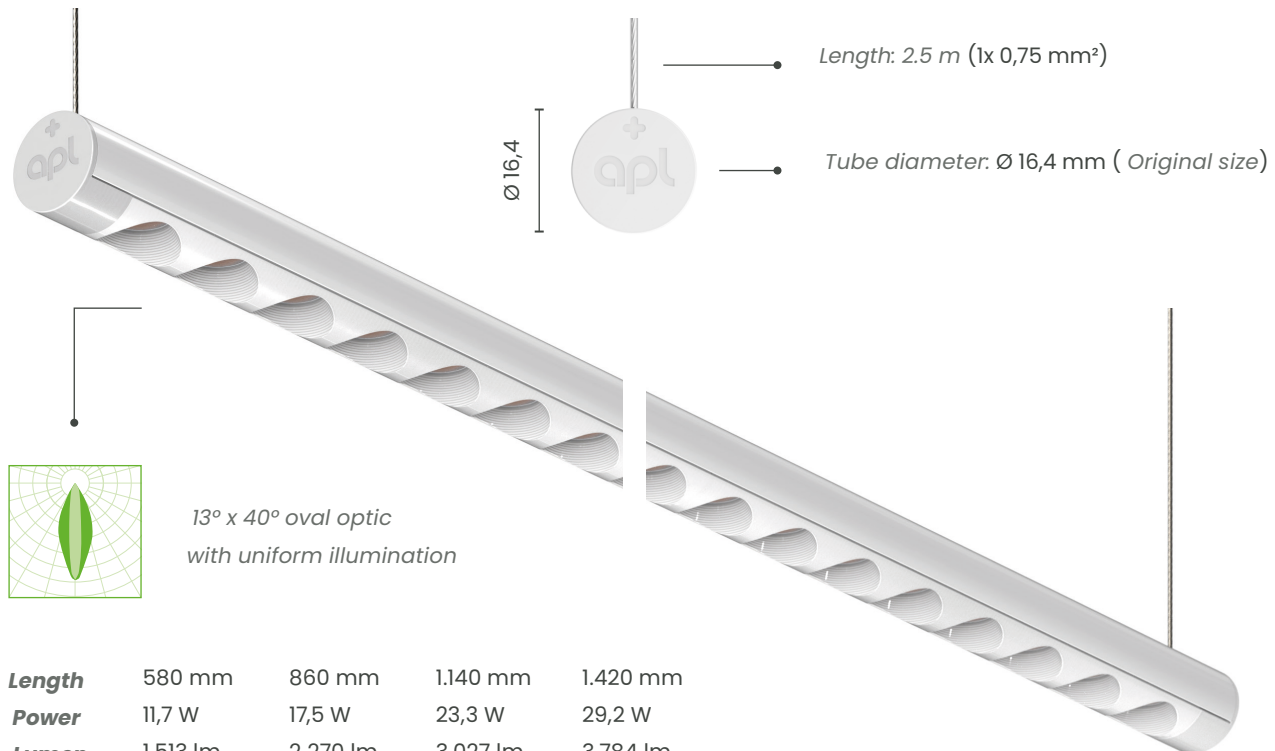


# LTwo® PENDANT – 13° x 40° oval

## constant voltage 48V – 20 watt/m



### Product description

LTwo® PENDANT – Light Tube with Optics as a pendant luminaire. 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.

The LTwo® PENDANT has decorative wire ropes for suspension and power supply, so no additional power cable is required. The wire rope holders mounted on the ceiling side enable simple and tool-free height adjustment for ideal alignment of the LTwo® PENDANT.

Very environmentally friendly due to minimal use of material (230 g/m), interchangeability, recyclability and high efficiency (up to 193 lm/W). Ideally suited for high-quality architectural lighting indoors.

## Product features



Legende / Legend

### Dimensions

Ø 16,4 mm

### Length

580 mm, 860 mm, 1.140 mm, 1.420 mm

### Weight

156 g, 208 g, 260 g, 312 g

### Housing colour

Weiß / White (WW, RAL9016) &amp; Schwarz / Black (BB, RAL9005)

### Wattages

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

### Lumen @ 5.000 K

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 &amp; 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 (&gt;90), 5.000 K (&gt;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 (Nur für Innenräume / 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 (T<sub>c</sub>)

min. -20°C / max. +80°C

### Ambient temperature (T<sub>a</sub>)

min. -20°C / max. +40°C

### Storage temperature (T<sub>s</sub>)

min. -20°C / max. +85°C

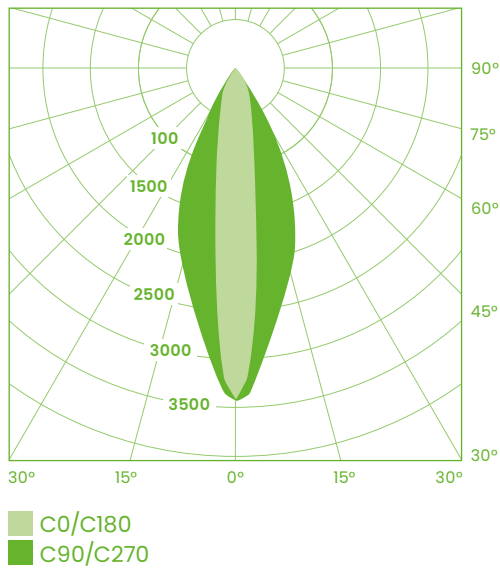
## Length, lumen, watt

| CRI | CCT / Kelvin | Farbe / Color | 580 mm<br>11,7 W | 860 mm<br>17,5 W | 1.140 mm<br>23,5 W | 1.420 mm<br>29,2 W | lm/W  |
|-----|--------------|---------------|------------------|------------------|--------------------|--------------------|-------|
| >90 | 2.700 K      | white         | 1.172 lm         | 1.758 lm         | 2.344 lm           | 2.930 lm           | 100,5 |
|     |              | black         | 1.063 lm         | 1.595 lm         | 2.127 lm           | 2.658 lm           | 91,2  |
| >90 | 3.000 K      | white         | 1.190 lm         | 1.785 lm         | 2.380 lm           | 2.975 lm           | 102,0 |
|     |              | black         | 1.080 lm         | 1.619 lm         | 2.159 lm           | 2.699 lm           | 92,6  |
| >90 | 3.500 K      | white         | 1.208 lm         | 1.812 lm         | 2.416 lm           | 3.020 lm           | 103,6 |
|     |              | black         | 1.096 lm         | 1.644 lm         | 2.192 lm           | 2.740 lm           | 94,0  |
| >90 | 4.000 K      | white         | 1.262 lm         | 1.893 lm         | 2.524 lm           | 3.155 lm           | 108,2 |
|     |              | black         | 1.145 lm         | 1.717 lm         | 2.290 lm           | 2.862 lm           | 98,2  |
| >80 | 5.000 K      | white         | 1.513 lm         | 2.270 lm         | 3.027 lm           | 3.784 lm           | 129,8 |
|     |              | black         | 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® PENDANT schwarz / black – 13° x 40° oval, 580 mm

### Application

Ideal for grazing light applicati-ons to emphasize surface structures on walls or facades.

## Order code

| Product    | OP | NP | Optic | L    | PC  | C  | LH | IP   |
|------------|----|----|-------|------|-----|----|----|------|
| APL-LTwoT5 | CV | 20 | 10    |      |     |    | PD | IP40 |
|            |    |    |       | 580  | 927 | BB |    |      |
|            |    |    |       | 860  | 930 | WW |    |      |
|            |    |    |       | 1140 | 935 |    |    |      |
|            |    |    |       | 1420 | 940 |    |    |      |
|            |    |    |       |      | 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 | BWB = Batwing narrow | Batwing wide  
 OVL | WW = Oval | Wall washer  
 OP | DF | CL = Opal | Diffuse | Clear

**L** = Length (mm)  
 580-1420 = 580 mm | 860 mm | 1140 mm | 1420 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  
 PD = Pendant luminaire  
**IP** = Protection class  
 IP40 = Indoor use only



Under the following link you will find the tender specification for the product:  
<https://apl.ag/products/>

## General information about LTwo® applications and accessories

LTwo® is a highly innovative and disruptive light source with a modular character that allows you to use existing accessories, future accessories or accessories developed specifically for your project to open up all kinds of lighting applications, from decorative and accent lighting to task lighting and sophisticated museum lighting or the illumination of concert halls and auditoriums, for example.

LTwo® is available in different lampholder types and connection options. The variant with the magnetic lampholder LTwo® MAG offers the most versatile installation accessories. The product can be easily assembled, swivelled in the lampholder by  $\pm 20^\circ$  and held in place with a safety lock. A purely mechanical lampholder (LTwo® MCH) is currently in the design phase. A battery-like lamp holder (LTwo® BATTERY) offers a very cost-effective solution for OEM designs. LTwo® PENDANT is available as a pendant luminaire with current-carrying suspension wires. The 8 mm snap connector with IP67 protection is used for the LTwo® OUTDOOR luminaire.

### LTwo® PENDANT



### LTwo® OUTDOOR



### LTwo® MAGNETIC



### LTwo® BATTERY

