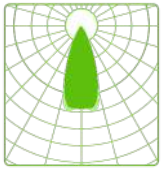


technical data sheet (IP67 Version)

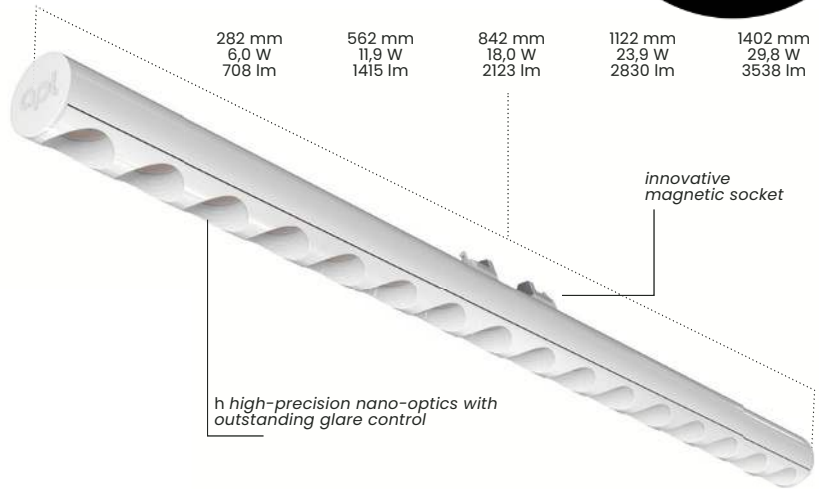
LTwo[®] – 40° – flood constant voltage 48V – 20 watt/m



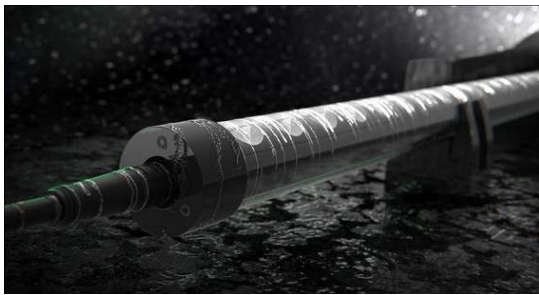
Ø 16,4 mm



total height 21,6 mm



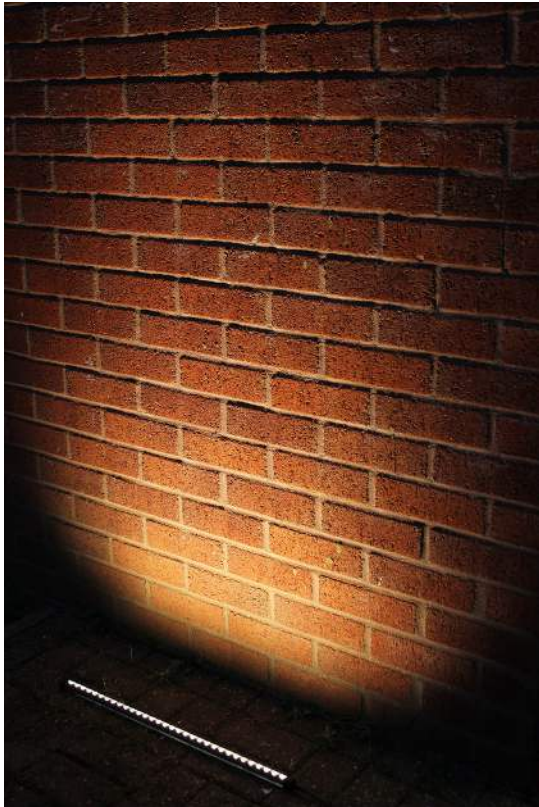
reddot winner 2023



product description

LTwo[®] - Light Tube with Optics. High-precision 40° optics with max. 3,538 lumen, based on the modular, miniaturised LTwo[®] light source/luminaire system with 13 high-quality precision optics and extensive accessories, for all lighting applications. Coded socket, for safe operation of lamp luminaires with different operating currents in Constant Voltage or Constant Current. Very environmentally friendly due to minimal use of material (180g/m), interchangeability, recyclability and high efficiency (up to 180 lm/W).

- LTwo[®] 40° - flood - Constant Voltage 48V - 20W/m with 16.4 mm diameter
- Available in black (RAL9005) and white (RAL9016)
- Lengths: 282 mm, 562 mm, 842 mm, 1122 mm, 1402 mm
- Watts: 6,0 W; 11,9 W; 18,0 W; 23,9 W; 29,8 W
- Lumen @5000K: 708 lm, 1,415 lm, 2,123 lm, 2,830 lm, 3,538 lm
- Optical efficiency: 75 % (BB), 83 % (WW)
- UGR of 11.2 / 10.9 (BB), 15.5 / 15.7 (WW) @1,000lm
- Ideal for accent lighting and highlighting individual objects
- Optimally suited for buildings and material integration of all kinds
- Dimmable (PWM)



Attention: the image above is the WallWasher fixture.

Please note: IP67 version does not use magnetic connection system Connection from one end only (Parallel wiring only) -30% lumen output from standard data

Attention: all following optical and electronic data have a tolerance of +/- 10%.



legend on the last page

product features

Dimensions

16,4 mm diameter

Length (mm)

282 mm, 562 mm, 842 mm, 1122 mm, 1402 mm
6,0W; 11,9W; 18,0W; 23,9W; 29,8W
708 lm, 1415 lm, 2123 lm, 2830 lm, 3538 lm

Qty. LED

16 per 280 mm

LED Pitch

17,5 mm

CCT / CRI

2700K, 3000K, 3500K, 4000K (>90) 5000K (>80)

Binning

3 SDCM

Lifetime

60000h L80B10

Protection

class IP20 (indoor use only!)

Risk group

RG1

Operating Mode

Constant Voltage (CV)

Operating Voltage

48 V DC -2,0 / +1,75

Housing temperature (Tc)

min. -20° / max. +65°

Ambient temperature (Ta)

min. -20° / max. +45°

Storage temperature (Ts)

min. -20° / max. 85°

order code

Please enter code here:

| Product | OP | NP | Optic | L | PC | C | LH | IP |
|-------------|----|----|-------|------|-----|----|-----|------|
| APL LTwo®T5 | CV | 20 | 40 | | | | MAG | IP20 |
| APL LTwo®T5 | CV | 20 | 40 | 280 | 927 | BB | MAG | IP20 |
| | | | | 560 | 930 | WW | | |
| | | | | 840 | 935 | | | |
| | | | | 1120 | 940 | | | |
| | | | | 1400 | 850 | | | |

example order code

APL LTwo®T5 CV 12 13 280 927 BB MAG IP20

| | |
|-------------------------------|---|
| OP operating system | CV Constant Voltage |
| NP nominal power per m | BB black profile – black antiglare |
| Optic optics | WW white profile – white antiglare |
| L length | |
| PC photometric code | |
| C housing colour | MAG magnetic luminaire holder |
| LH luminaire holder | |
| IP protection class | |

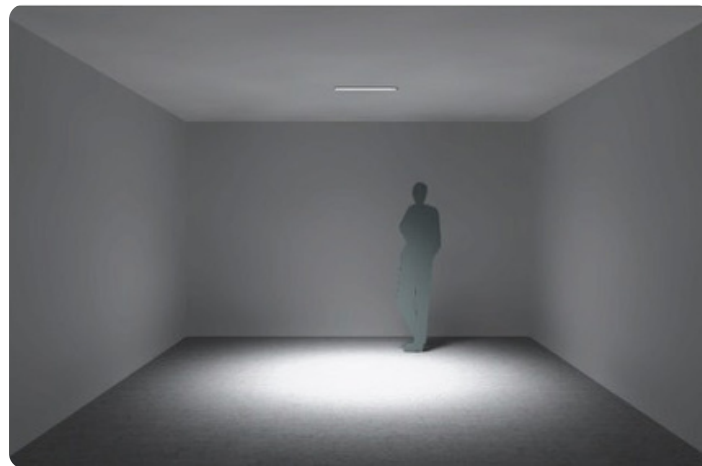
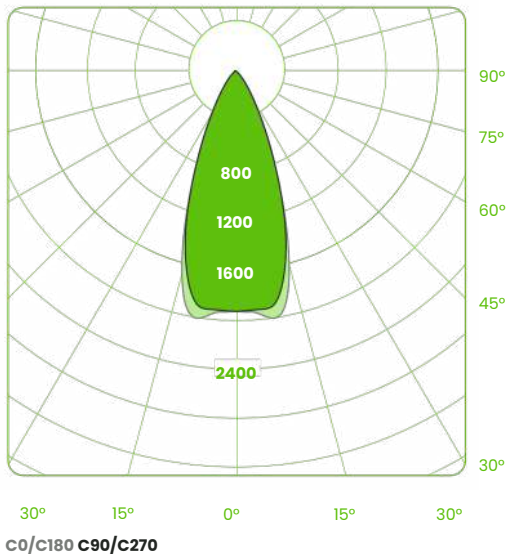
Photometric Code Example:
927 (9 = CRI >90 | 27 = 2700K)

LTwo® – 40° – flood constant voltage 48V – 20 W/m

White Black

| CRI / CCT | Kelvin | 280 mm 6,0 W | 560 mm 11,9 W | 840 mm 17,9 W | 1120 mm 23,9 W | 1400 mm 29,8 W | Lumen/Watt |
|-----------|--------|-----------------|------------------|------------------|-------------------|-------------------|------------|
| 927 | 2700K | 548 | 1096 | 1643 | 2191 | 2739 | 91,8 |
| | | 495 | 990 | 1485 | 1980 | 2475 | 83,0 |
| 930 | 3000K | 593 | 1185 | 1778 | 2370 | 2963 | 99,3 |
| | | 536 | 1071 | 1607 | 2142 | 2678 | 89,8 |
| 935 | 3500K | 564 | 1129 | 1693 | 2258 | 2822 | 94,6 |
| | | 510 | 1020 | 1530 | 2040 | 2550 | 85,5 |
| 940 | 4000K | 589 | 1179 | 1768 | 2357 | 2947 | 98,8 |
| | | 533 | 1065 | 1598 | 2130 | 2663 | 89,3 |
| 850 | 5000K | 708 | 1415 | 2123 | 2830 | 3538 | 118,6 |
| | | 639 | 1279 | 1918 | 2558 | 3197 | 107,2 |

light distribution



LTwo® black - 40°, 560mm

Mounting Method to be discussed upon order.
 Custom solutions available.
 Contact sales@architecturalfx.co.uk for further information.