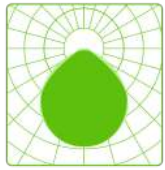


# LTwo® – diffuse

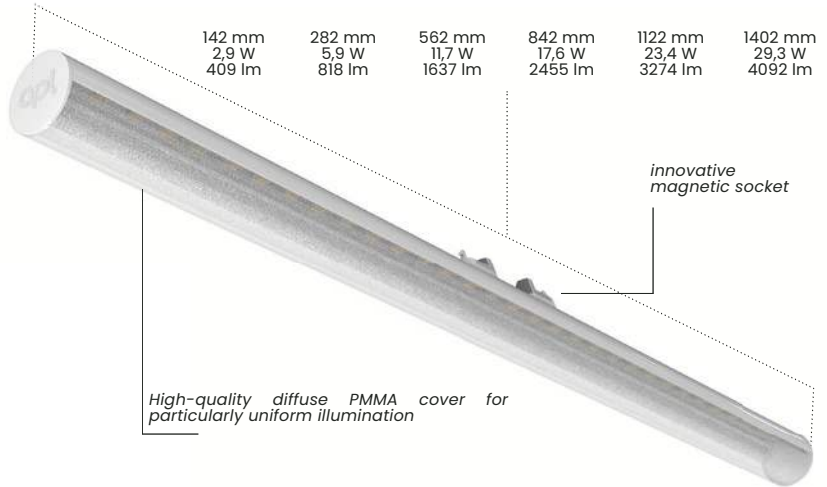
## constant voltage 48V – 20 watt/m



Ø 16,4 mm



total height  
21,6 mm



142 mm  
2,9 W  
409 lm

282 mm  
5,9 W  
818 lm

562 mm  
11,7 W  
1637 lm

842 mm  
17,6 W  
2455 lm

1122 mm  
23,4 W  
3274 lm

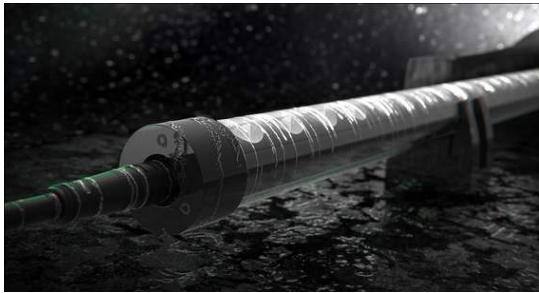
1402 mm  
29,3 W  
4092 lm

innovative  
magnetic socket

High-quality diffuse PMMA cover for  
particularly uniform illumination

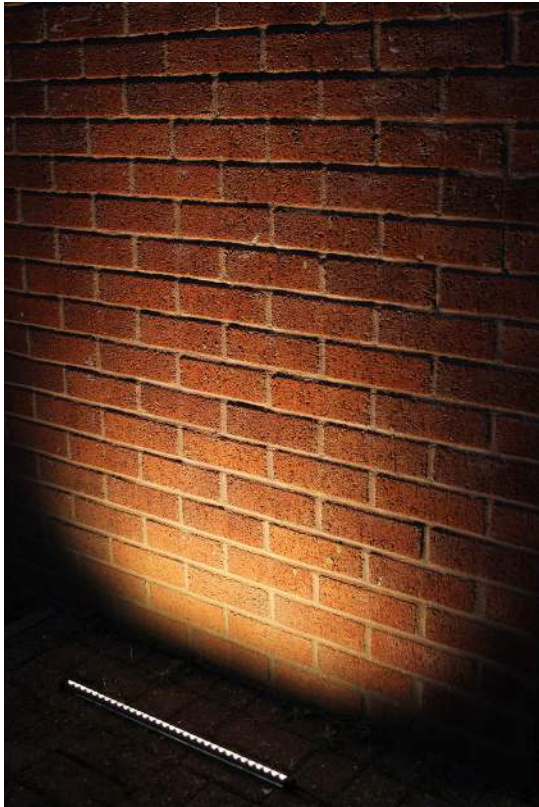


reddot winner 2023



### product description

LTwo® - Light Tube with Optics. High-quality diffuse cover with max. 4,092 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® diffuse - Constant Voltage 48V - 20W/m with 16.4 mm diameter.
- Available in black (RAL9005) and white (RAL9016)
- Lengths: 142 mm, 282 mm, 562 mm, 842 mm, 1122 mm, 1402 mm
- Watts: 2,9 W; 5,9 W; 11,7 W; 17,6 W; 23,4 W; 29,3 W
- Lumen @5000K: 409 lm, 818 lm, 1,637 lm, 2,455 lm, 3,274 lm, 4,092 lm
- Optical efficiency: 82 % (BB), 93 % (WW)
- UGR of 22.9 / 26.1 (BB), 23.7 / 26.1 (WW) @1,000lm
- Ideal for efficient ambient lighting with high uniformity
- 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 last page

## product features

### Dimensions

16,4 mm diameter

### Length (mm)

142 mm, 282 mm, 562 mm, 842 mm, 1122 mm, 1402 mm  
 2,9W; 5,9W; 11,7W; 17,6W; 23,4W; 29,2W  
 409 lm, 818 lm, 1637 lm, 2455 lm, 3274 lm, 4092 lm

### Qty. LED

32 per 280 mm

### LED Pitch

8,75 mm

### CCT / CRI

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

### 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	DF				MAG	IP20
APL LTwo®T5	CV	20	DF	140	927	BB	MAG	IP20
				280	930	WW		
				560	935			
				840	940			
				1120	950			
				1400				

### example order code

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

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

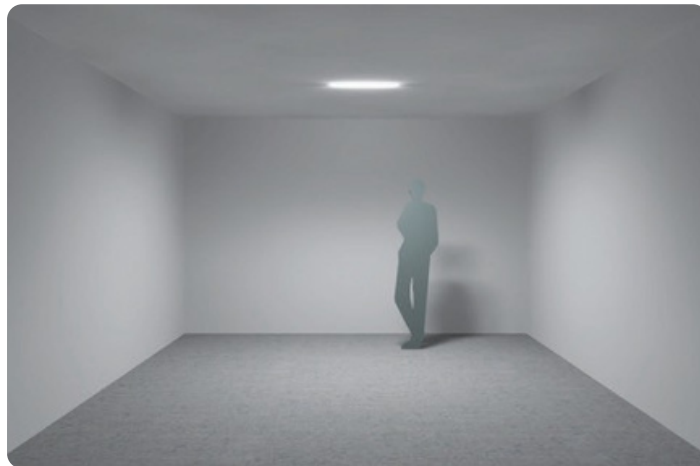
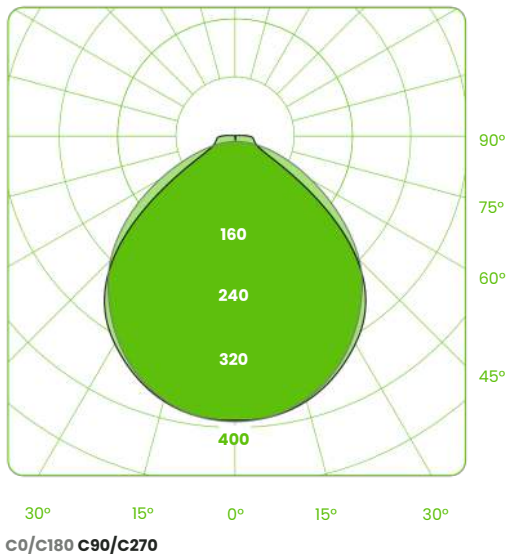
Photometric Code Example:  
 927 (9 = CRI >90 | 27 = 2700K)

# LTwo® – diffuse constant voltage 48V – 20 W/m

White Black

CRI / CCT	Kelvin	140 mm 2,9 W	280 mm 5,9 W	560 mm 11,7 W	840 mm 17,6 W	1120 mm 23,4 W	1400 mm 29,3 W	Lumen/Watt
927	2700K	365	730	1460	2190	2920	3650	<b>124,8</b>
		322	644	1287	1931	2575	3219	<b>110,0</b>
930	3000K	378	756	1511	2267	3023	3778	<b>129,2</b>
		333	666	1333	1999	2665	3331	<b>113,9</b>
935	3500K	391	781	1562	2344	3125	3906	<b>133,5</b>
		344	689	1378	2066	2755	3444	<b>117,7</b>
940	4000K	403	807	1614	2420	3227	4034	<b>137,9</b>
		356	711	1423	2134	2845	3557	<b>121,6</b>
950	5000K	409	818	1637	2455	3274	4092	<b>139,9</b>
		361	722	1443	2165	2886	3608	<b>123,4</b>

## light distribution



LTwo® black – diffuse, 560mm

Mounting Method to be discussed upon order.  
 Custom solutions available.  
 Contact [sales@architecturalfx.co.uk](mailto:sales@architecturalfx.co.uk) for further information.