



## LED Tube Characteristics

- Super energy saving and durable
- HG free avoid the poisonous materials
- UV free no harmful to the skin
- No flash to protect the eyes
- Low maintenance cost

## Product Advantages

- Super bright and till 70% energy-saving
- Thin (D26mm) in size and light in weight (460g with 1500mm tube))
- Isolating power supply, constant LED forwarder current, wide voltage range
- Turnable end cap for different light emitting directions(180°)
- Easy for maintenance and replacement. Replacable power supply
- VDE, TUV, UL, CE, RoHS approved.  
EN55015, EN61000, EN61547, EN60968 and photobiology safety IEC62471



Draw and rotatable caps



| Type         | Size and Wattage          | Color temperature                                       | Cover       | More information                           |
|--------------|---------------------------|---|-------------|--|
| SL06-10WT-WW | 600x26mm, 10W,<br>1000lm  | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Transparent | 30 pcs/carton, 168 pcs Typ 3528<br>SMD LED |
| SL06-10WT-NW |                           |   |             |  |
| SL06-10WT-PW |                           |   |             |  |
| SL06-10WF-WW | 600x26mm, 10W,<br>1000lm  | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Frosted     | 30 pcs/carton, 168 pcs Typ 3528<br>SMD LED |
| SL06-10WF-NW |                           |   |             |  |
| SL06-10WF-PW |                           |   |             |  |
| SL12-18WT-WW | 1200x26mm, 18W,<br>1800lm | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Transparent | 25 pcs/carton, 288 pcs Typ 3528<br>SMD LED |
| SL12-18WT-NW |                           |   |             |  |
| SL12-18WT-PW |                           |   |             |  |
| SL12-18WF-WW | 1200x26mm, 18W,<br>1800lm | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Frosted     | 25 pcs/carton, 288 pcs Typ 3528<br>SMD LED |
| SL12-18WF-NW |                           |   |             |  |
| SL12-18WF-PW |                           |   |             |  |
| SL15-22WT-WW | 1500x26mm, 22W,<br>2200lm | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Transparent | 25 pcs/carton, 408 pcs Typ 3528<br>SMD LED |
| SL15-22WT-NW |                           |   |             |  |
| SL15-22WT-PW |                           |   |             |  |
| SL15-22WF-WW | 1500x26mm, 22W,<br>2200lm | warmwhite 3000K<br>normalwhite 4500K<br>purewhite 5000K | Frosted     | 25 pcs/carton, 408 pcs Typ 3528<br>SMD LED |
| SL15-22WF-NW |                           |   |             |  |
| SL15-22WF-PW |                           |   |             |  |

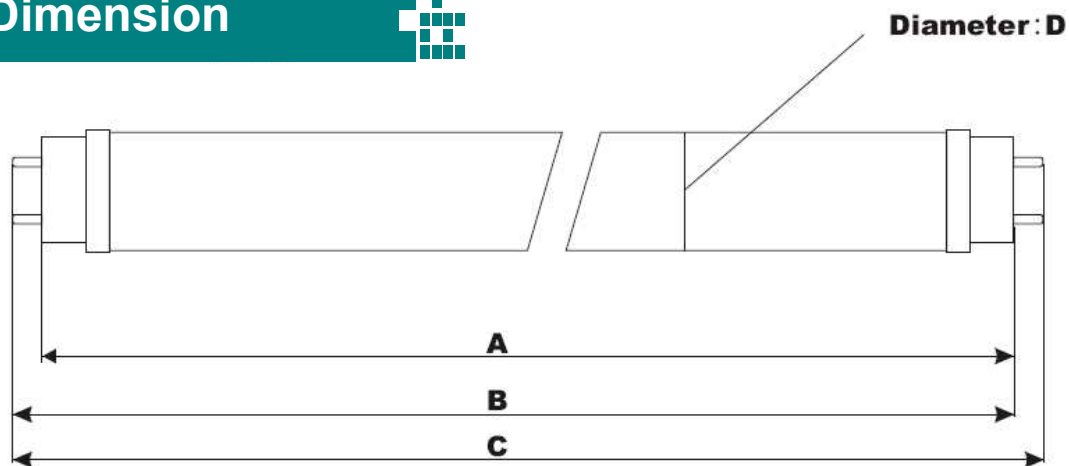
### Absolute Maximum Rating At Ta=25°C

| Parameter               | Symbol | Absolute Maximum rating | Unit |
|-------------------------|--------|-------------------------|------|
| Input voltage           | V      | AC100-240V              | V    |
| Operating voltage       | V      | DC36-40V                | V    |
| Operating current       | mA     | 17                      | mA   |
| Electrostatic discharge | ESD    | 1500                    | V    |
| Operating temperature   | Topr   | -20 -- +50              | °C   |
| Storage temperature     | Tstg   | -30 -- +50              | °C   |

### Technical Data/Electrical Characters at Ta=25°C

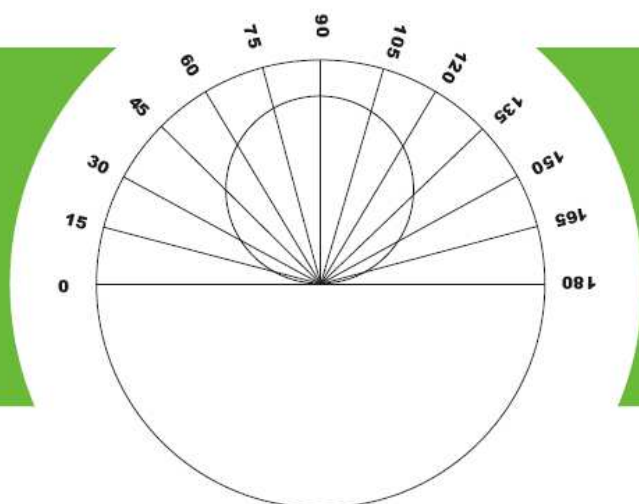
| Item                    | Symbol | L=600x26mm   | 900mm | 1200x26mm | 1500x26mm |
|-------------------------|--------|--|-------|-----------|-----------|
| Rated power             | W      | 10W  | 11W   | 18W       | 22W       |
| LED QTY                 | PCS    | 168  | 192   | 288       | 408       |
| Luminous flux           | Lm     | 950  | 1045  | 1710      | 2090      |
| Efficiency              | Lm/W   | 95   | 95    | 95        | 95        |
| Comparable conventional | W      | 25W  | 30W   | 36W       | 55W       |
| LED forward current     | mA     | 17mA   |       |           |           |
| Input voltage           | V      | AC 100V-240V   |       |           |           |
| Color temperature       | K      | Warm white/Normal white/Cool white, 3000-6500K, default: 5500K |       |           |           |
| CRI                     | Ra     | Typ. 70  |       |           |           |
| Viewing angle           | Degree | 120°   |       |           |           |
| Power factor            |        | 0,92   |       |           |           |
| Energy saving           |        | About 70%  |       |           |           |
| Lifetime                | hours  | 30,000 – 50,000  |       |           |           |

## Dimension



## Dimension in mm

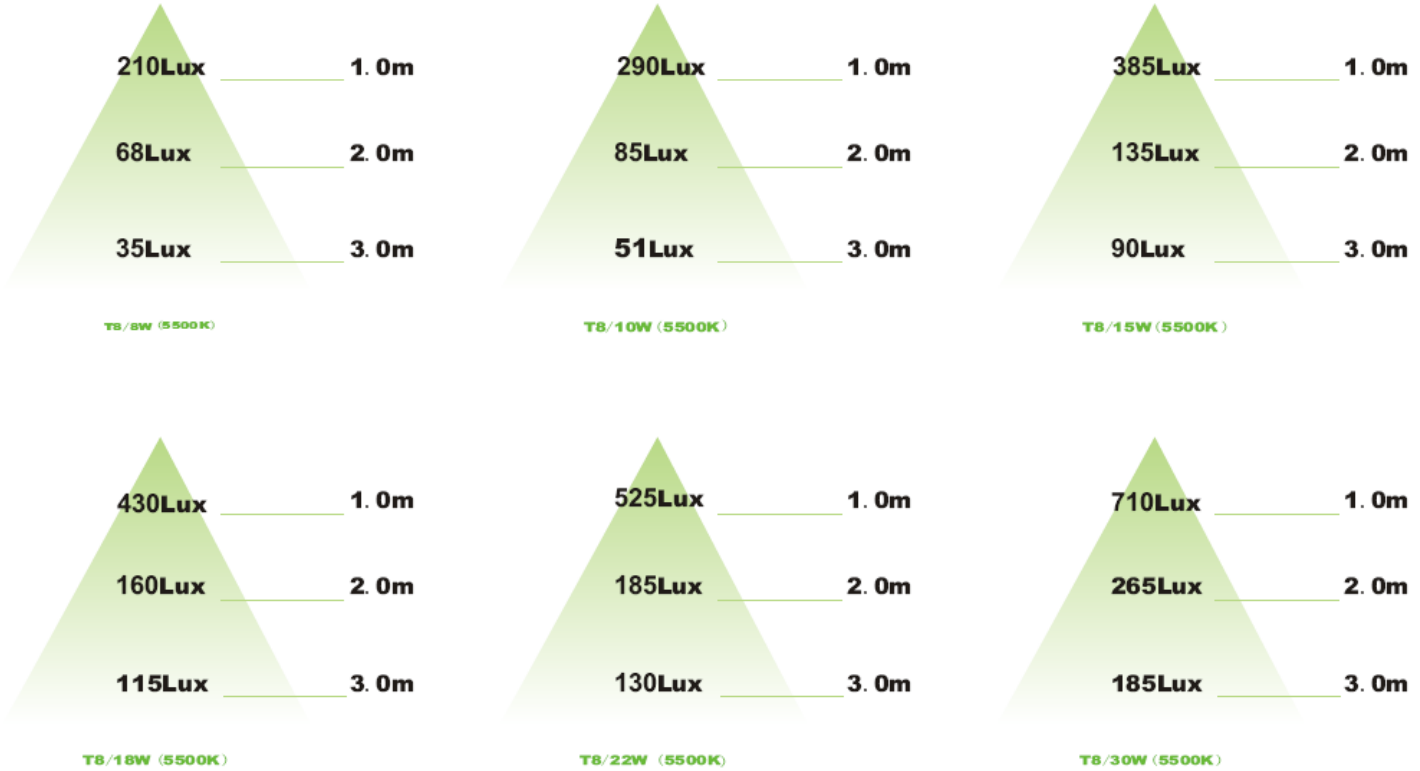
| ITEM     | UNIT | A (MIN) | A (MAX) | B (MIN) | B (MAX) | C (MAX) | D (MAX) |
|----------|------|---------|---------|---------|---------|---------|---------|
| 2Ft/600  | mm   | 589     | 590     | 597     | 597.5   | 604     | 31      |
| 3Ft/900  | mm   | 894     | 895     | 900.8   | 901.3   | 908.8   | 31      |
| 4Ft/1200 | mm   | 1198    | 1199    | 1206    | 1213.6  | 1213.6  | 31      |
| 5Ft/1500 | mm   | 1499    | 1500    | 1507    | 1514.2  | 1514.2  | 31      |
| 6Ft/1800 | mm   | 1759    | 1760    | 1767    | 1774    | 1774    | 31      |



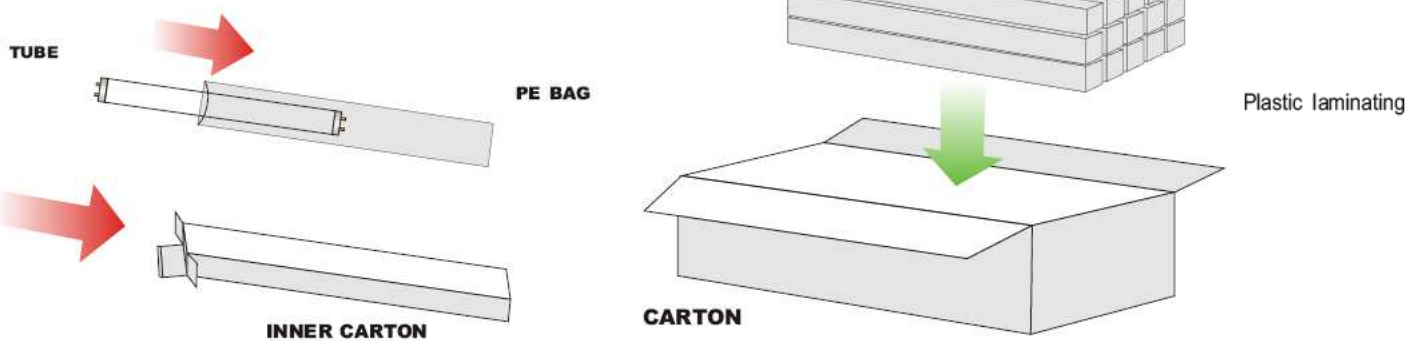
Viewing Angle

## LUX DATA

.IES photometric data is available



## Package



| ITEM     | CARTON SIZE    | QTY/CARTON | NET WEIGHT | GROSS WEIGHT |
|----------|----------------|------------|------------|--------------|
| L=600MM  | 670*280*220mm  | 30         | 5.0KG      | 7.0 KG       |
| L=1200MM | 1260*230*220mm | 25         | 9.2KG      | 12.0 KG      |
| L=1500MM | 1560*230*220mm | 25         | 11.5KG     | 14.0 KG      |

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### Installation Instruction



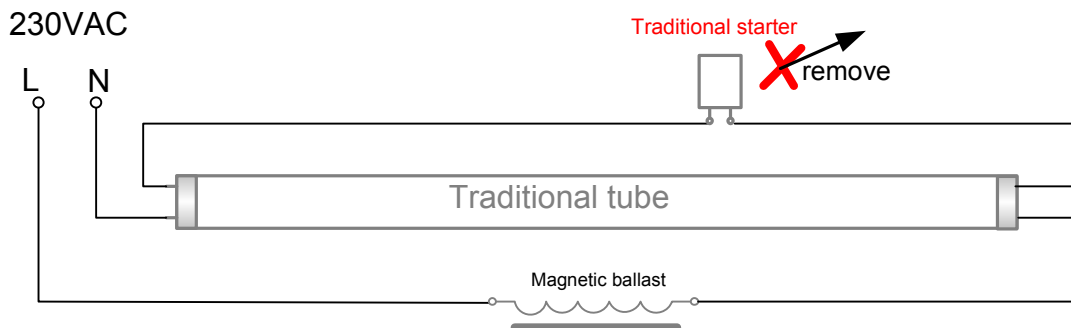
To comply with the new regulation of European standard EN60598 and avoid the risk of electric shock during mounting the free-end connector of the SparTube might be live, please connect the our LED as below:

#### Variant 1: new installation without ballast (recommended)

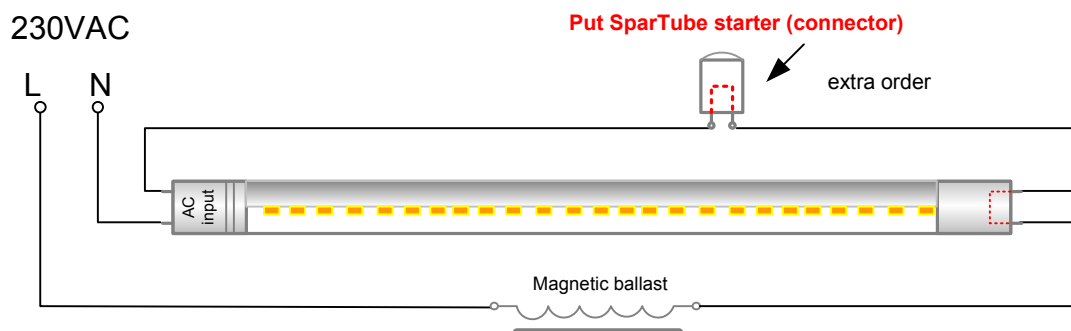


Input 230VAC power in one side. No extract magnetic or electronic ballast is needed.

#### Variant 2: based on existing magnetic ballast fixtures



Step 1



Step 2