



# MASTER TL-D Super 80

## MASTER TL-D Super 80 18W/827 1SL/25

The MASTER TL-D Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp can be operated in existing TL-D luminaires.

### Product data

| General Information                |                                  |
|------------------------------------|----------------------------------|
| Cap-Base                           | G13 [ Medium Bi-Pin Fluorescent] |
| Life To 10% Failures (Nom)         | 12000 h                          |
| Life to 50% Failures (Nom)         | 15000 h                          |
| Life to 50% Failures Preheat (Nom) | 20000 h                          |
| LSF 2000 h Rated                   | 99 %                             |
| LSF 4000 h Rated                   | 99 %                             |
| LSF 6000 h Rated                   | 99 %                             |
| LSF 8000 h Rated                   | 99 %                             |
| LSF 12000 h Rated                  | 89 %                             |
| LSF 16000 h Rated                  | 33 %                             |
| LSF 20000 h Rated                  | 2 %                              |
| Light Technical                    |                                  |
| Color Code                         | 827 [ CCT of 2700K]              |
| Luminous Flux (Nom)                | 1350 lm                          |
| Luminous Flux (Rated) (Nom)        | 1350 lm                          |
| Color Designation                  | Incandescent White               |
| Correlated Color Temperature (Nom) | 2700 K                           |
| Luminous Efficacy (rated) (Nom)    | 75 lm/W                          |
| Color Rendering Index (Nom)        | >80                              |

|                    |      |
|--------------------|------|
| LLMF 2000 h Rated  | 96 % |
| LLMF 4000 h Rated  | 95 % |
| LLMF 6000 h Rated  | 94 % |
| LLMF 8000 h Rated  | 93 % |
| LLMF 12000 h Rated | 92 % |
| LLMF 16000 h Rated | 91 % |
| LLMF 20000 h Rated | 90 % |

### Operating and Electrical

|                    |         |
|--------------------|---------|
| Power (Nom)        | 18.0 W  |
| Lamp Current (Nom) | 0.360 A |

### Temperature

|                          |       |
|--------------------------|-------|
| Design Temperature (Nom) | 25 °C |
|--------------------------|-------|

### Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

### Approval and Application

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | A      |
| Mercury (Hg) Content (Nom)    | 2.0 mg |

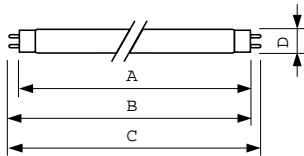
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|                               |                                     |
|-------------------------------|-------------------------------------|
| Energy Consumption kWh/1000 h | 22 kWh                              |
| <b>Product Data</b>           |                                     |
| Full product code             | 871150063162640                     |
| Order product name            | MASTER TL-D Super 80 18W/827 1SL/25 |
| EAN/UPC - Product             | 8711500631626                       |
| Order code                    | 927920082723                        |

|                                 |                   |
|---------------------------------|-------------------|
| Numerator - Quantity Per Pack   | 1                 |
| Numerator - Packs per outer box | 25                |
| Material Nr. (12NC)             | 927920082723      |
| Net Weight (Piece)              | 71.000 g          |
| ILCOS Code                      | FD-18/27/1B-E-G13 |

## Warnings and Safety

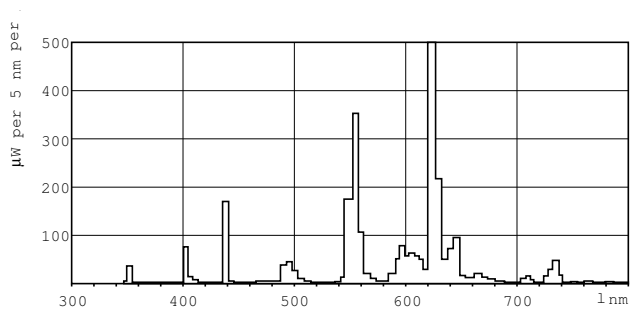
## Dimensional drawing



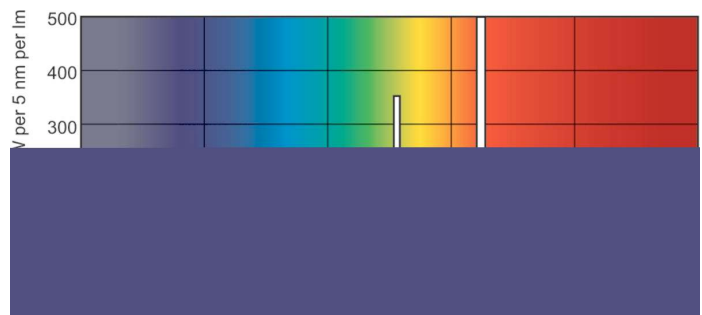
| Product                                | D (max) | A (max)  | B (max)  | B (min)  | C (max) |
|--|---------|----------|----------|----------|---------|
| MASTER TL-D Super 80<br>18W/827 1SL/25 | 28 mm   | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm  |

TL-D 18W/827

## Photometric data



LDPB\_TL-D8\_827-Spectral power distribution B/W



LDPO\_TL-D8\_827-Spectral power distribution Colour

# MASTER TL-D Super 80

## Lifetime



LDLE\_TL-D8\_0001-Life expectancy diagram

LDLE\_TL-D8\_0002-Life expectancy diagram



LDLM\_TL-D8\_0001-Lumen maintenance diagram

