

Efficient fluorescent lighting with improved color rendering

MASTER TL-D HF Super 80

The MASTER TL-D HF 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 is designed to be operated on special high-frequency electronic ballasts. It is not for general use.

Benefits

- Relatively high efficacy, both initially and during lamp lifetime
- Smooth start
- Stable behavior in dimming operation with cool environments

Features

- Special lamp designed for High Frequency operation
- Highly efficient 3-band fluorescent coating
- Low mercury dose

Application

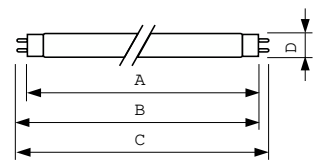
- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

Warnings and Safety

- Special electronic gear must be used
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

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Dimensional drawing



| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|--|---------|------------|------------|------------|------------|
| MASTER TL-D HF Super 80 16W/840 SLV/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm |
| MASTER TL-D HF Super 80 32W/840 SLV/25 | 28 mm | 1,199.4 mm | 1,206.5 mm | 1,204.1 mm | 1,213.6 mm |
| MASTER TL-D HF Super 80 50W/840 SLV/25 | 28 mm | 1,500.0 mm | 1,507.1 mm | 1,504.7 mm | 1,514.2 mm |

| General Information | |
|------------------------------------|-----------------|
| Cap-Base | G13 |
| Light Technical | |
| Chromaticity Coordinate X (Nom) | 0.38 |
| Chromaticity Coordinate Y (Nom) | 0.38 |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Controls and Dimming | |
| Dimmable | Yes |
| Mechanical and Housing | |
| Bulb Shape | T8 |
| Approval and Application | |
| Mercury (Hg) Content (Nom) | 1.7 mg |

Light Technical

| Order Code | Full Product Name | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|--|-----------------------------|---------------------------------|---------------|
| 927924084023 | MASTER TL-D HF Super 80 16W/840 SLV/25 | 82 | 87.5 lm/W | 1,400 lm |
| 927924584023 | MASTER TL-D HF Super 80 32W/840 SLV/25 | 82 | 100 lm/W | 3,120 lm |
| 927925084014 | MASTER TL-D HF Super 80 50W/840 SLV/25 | 81 | 100 lm/W | 5,000 lm |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current (Nom) | Power Consumption |
|--------------|--|--------------------|-------------------|
| 927924084023 | MASTER TL-D HF Super 80 16W/840 SLV/25 | 0.255 A | 16.5 W |
| 927924584023 | MASTER TL-D HF Super 80 32W/840 SLV/25 | 0.255 A | 32.4 W |

| Order Code | Full Product Name | Lamp Current (Nom) | Power Consumption |
|--------------|--|--------------------|-------------------|
| 927925084014 | MASTER TL-D HF Super 80 50W/840 SLV/25 | 0.355 A | 50.0 W |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|--|-------------------------------|
| 927924084023 | MASTER TL-D HF Super 80 16W/840 SLV/25 | 17 kWh |
| 927924584023 | MASTER TL-D HF Super 80 32W/840 SLV/25 | 33 kWh |

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|--|-------------------------------|
| 927925084014 | MASTER TL-D HF Super 80 50W/840 SLV/25 | 50 kWh |

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