



MASTER TL-D Eco

MASTER TL-D Eco 16W/830 SLV/25

The MASTER TL-D Eco lamp offers the same light output as a MASTER TL-D Super 80 lamp, while using less energy, thanks to the use of specific phosphors and a special gas filling. Application areas are schools, offices, governmental buildings and healthcare environments.

Warnings and Safety

• 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.

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 | 830 [CCT of 3000K] | | |
| Luminous Flux (Nom) | 1300 lm | | |
| Luminous Flux (Rated) (Nom) | 1175 lm | | |
| Color Designation | Warm White (WW) | | |
| | | | |

| Correlated Color Temperature (Nom) | 3000 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) | 15.7 W |
| Lamp Current (Nom) | 0.380 A |
| | |
| Temperature | |
| Design Temperature (Nom) | 30 ℃ |
| | |

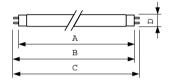
Datasheet, 2020, March 19 data subject to change

MASTER TL-D Eco

| Controls and Dimming | | |
|-------------------------------|-----------------|--|
| Dimmable | Yes | |
| | | |
| Mechanical and Housing | | |
| Cap-Base Information | Green Cap | |
| | | |
| Approval and Application | | |
| Energy Efficiency Label (EEL) | A | |
| Mercury (Hg) Content (Nom) | 2.0 mg | |
| Energy Consumption kWh/1000 h | 19 kWh | |
| | | |
| Product Data | | |
| Full product code | 871150026857040 | |

| Order product name | MASTER TL-D Eco 16W/830 SLV/25 |
|---------------------------------|--------------------------------|
| EAN/UPC - Product | 8711500268570 |
| Order code | 927922883015 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 25 |
| Material Nr. (12NC) | 927922883015 |
| Net Weight (Piece) | 71.000 g |
| ILCOS Code | FD-16/30/1B-E-G13-26/604 |
| | |

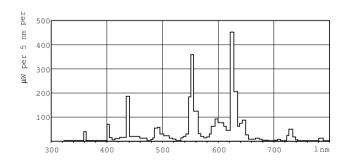
Dimensional drawing

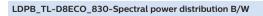


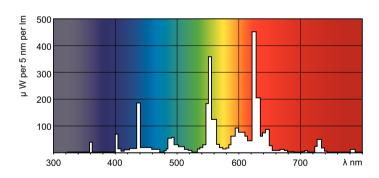
| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|-----------------|---------|----------|----------|----------|----------|
| MASTER TL-D Eco | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604.0 mm |
| 16W/830 SLV/25 | | | | | |

TL-D Eco 16W/830

Photometric data



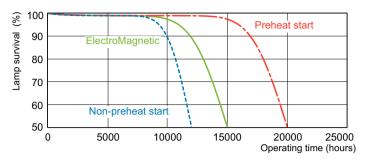


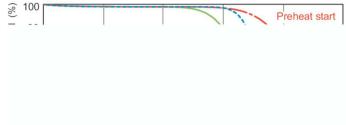


LDPO_TL-D8ECO_830-Spectral power distribution Colour

MASTER TL-D Eco

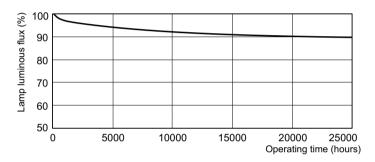
Lifetime





LDLE_TL-D8ECO_0001-Life expectancy diagram

LDLE_TL-D8ECO_0002-Life expectancy diagram



LDLM_TL-D8ECO_0001-Lumen maintenance diagram



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