



PHILIPS

Lighting



MASTER TL-D Super 80

MASTER TL-D Super 80 23W/840 SLV/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 | 840 [CCT of 4000K] |
| Luminous Flux (Nom) | 2050 lm |
| Luminous Flux (Rated) (Nom) | 2050 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 89 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 (Rated) (Nom) | 23.0 W |
| Lamp Current (Nom) | 0.295 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 |
| Energy Consumption kWh/1000 h | 28 kWh |

Product Data

| | |
|--------------------|-------------------------------------|
| Full product code | 871150055870140 |
| Order product name | MASTER TL-D Super 80 23W/840 SLV/25 |
| EAN/UPC - Product | 8711500558701 |

MASTER TL-D Super 80

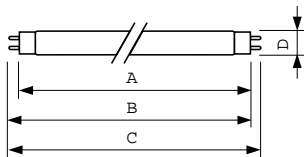
| | |
|---------------------------------|--------------|
| Order code | 927922584014 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 25 |
| Material Nr. (12NC) | 927922584014 |

| | |
|--------------------|-------------------|
| Net Weight (Piece) | 120.000 g |
| ILCOS Code | FD-23/40/1B-E-G13 |

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.

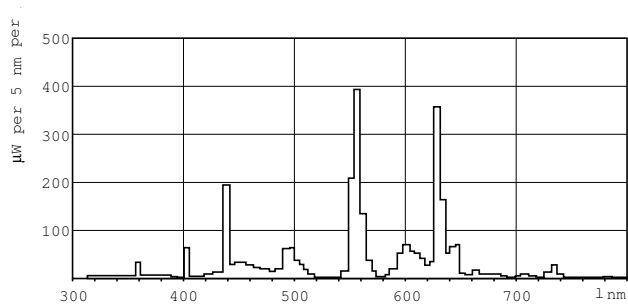
Dimensional drawing



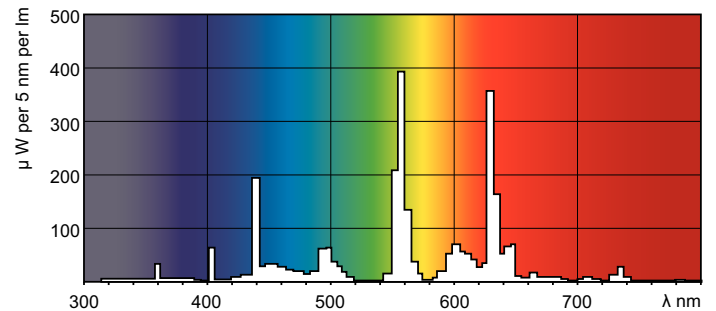
| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|----------------------|---------|----------|----------|----------|----------|
| MASTER TL-D Super 80 | 28 mm | 970.0 mm | 977.1 mm | 974.7 mm | 984.2 mm |
| 23W/840 SLV/25 | | | | | |

TL-D 23W/840

Photometric data



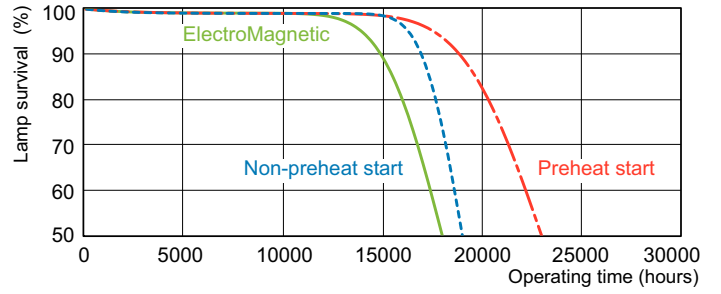
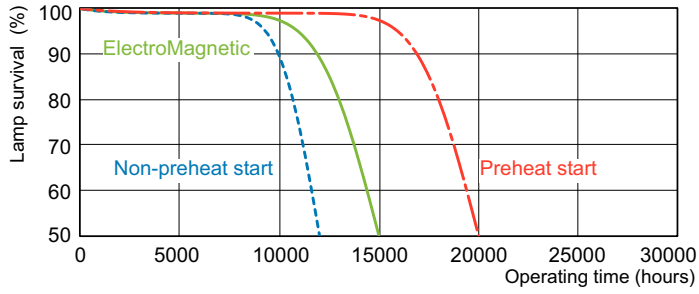
Lightcolor /840



Lightcolor /840

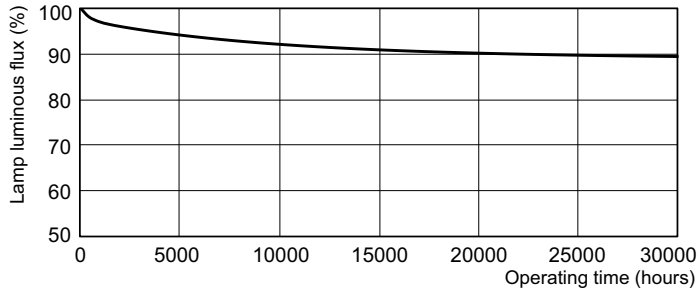
MASTER TL-D Super 80

Lifetime



MASTER TL-D Super 80 Life Expectancy 3 h cycle

MASTER TL-D Super 80 Life Expectancy 12 h cycle



MASTER TL-D Super 80 Lumen Maintenance 3 h + 12 h cycle

