



# MASTER TL-D 90 De Luxe



## MASTER TL-D 90 De Luxe 58W/965 1SL/10

This TL-D lamp makes colors appear rich, deep and enhanced in a natural way. Thus very suitable for applications where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewelry, dentists, hairdressing, museums and shops

### 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 %                              |
|                                     | Sphere                           |
| Light Technical                     |                                  |
| Colour Code                         | 965 [ CCT of 6,500 K]            |

|                                     |               |
|-------------------------------------|---------------|
| Luminous flux (nom.)                | 4550 lm       |
| Luminous flux (rated) (nom.)        | 4550 lm       |
| Colour designation                  | Cool Daylight |
| Chromaticity coordinate X (nom.)    | 0.313         |
| Chromaticity coordinate Y (nom.)    | 0.337         |
| Correlated Colour Temperature (Nom) | 6500 K        |
| Luminous efficacy (rated) (nom.)    | 77.8 lm/W     |
| Colour rendering index (nom.)       | 93            |
| 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 %          |

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## Operating and Electrical

|                     |         |
|---------------------|---------|
| Power (Rated) (Nom) | 59.8 W  |
| Lamp current (nom.) | 0.670 A |

## Temperature

|                           |       |
|---------------------------|-------|
| Design temperature (nom.) | 25 °C |
|---------------------------|-------|

## Controls and Dimming

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

## Mechanical and Housing

|            |                  |
|------------|------------------|
| Bulb shape | T8 [ 26 mm (T8)] |
|------------|------------------|

## Approval and Application

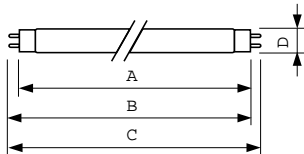
|                             |      |
|-----------------------------|------|
| Energy Efficiency Class     | G    |
| Mercury (Hg) content (max.) | 2 mg |

|                                    |        |
|------------------------------------|--------|
| Mercury (Hg) content (nom.)        | 2 mg   |
| Energy consumption kWh/1,000 hours | 60 kWh |
|                                    | 423531 |

## Product Data

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Full product code                 | 871150088873025                       |
| Order product name                | MASTER TL-D 90 De Luxe 58W/965 SLV/10 |
| EAN/UPC – product                 | 8711500888730                         |
| Order code                        | 88873025                              |
| SAP numerator – quantity per pack | 1                                     |
| Numerator – packs per outer box   | 10                                    |
| SAP material                      | 928045096581                          |
| SAP net weight (piece)            | 167.000 g                             |
| ILCOS code                        | FD-58/65/1A-E-G13                     |

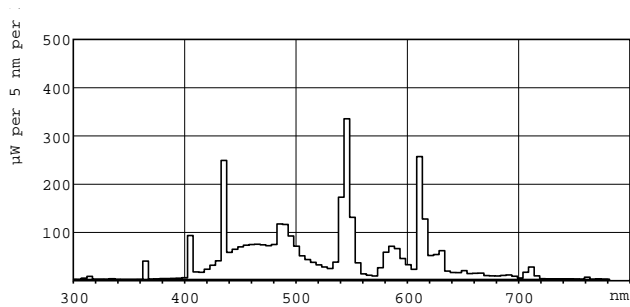
## Dimensional drawing



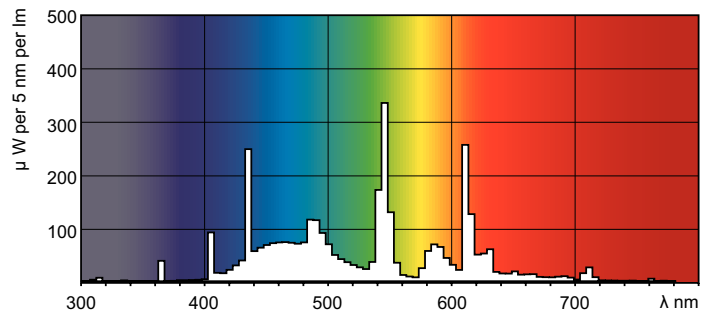
| Product                               | D (max) | A (max)   | B (max)   | B (min)   | C (max)   |
|---------------------------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL-D 90 De Luxe 58W/965 SLV/10 | 28 mm   | 1500.0 mm | 1507.1 mm | 1504.7 mm | 1514.2 mm |

## TL-D De Luxe 58W/965

## Photometric data



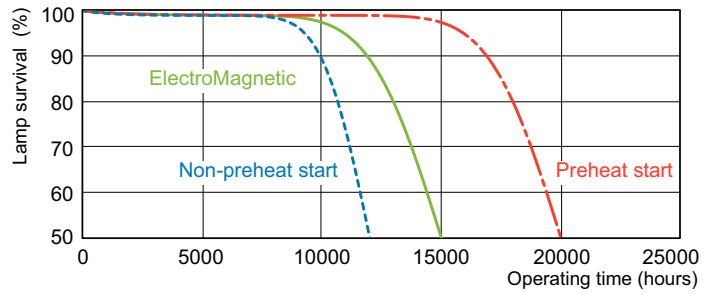
LDPB\_TL-D9HLM\_965-Spectral power distribution B/W



Lightcolour TL-D de Luxe /965

# MASTER TL-D 90 De Luxe

## Lifetime



LDLE\_TL-D9Hm\_0002-Life expectancy diagram

LDLE\_TL-D9Hm\_0001-Life expectancy diagram



LDLM\_TL-D9Hm\_0001-Lumen maintenance diagram

