



MASTER TL-D 90 Graphica

MASTER TL-D 90 Graphica 36W/965 1SL/10

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

Product data

| General Information | |
|--------------------------------------|----------------------------------|
| Cap-Base | G13 [Medium Bi-Pin Fluorescent] |
| Life To 10% Failures (Nom) | 6000 h |
| Life to 50% Failures (Nom) | 8000 h |
| Life to 50% Failures Preheat (Nom) | 10000 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 | |
| Colour Code | 965 [CCT of 6500K] |
| Luminous Flux (Nom) | 2100 lm |
| Luminous Flux (Rated) (Nom) | 2100 lm |
| Colour Designation | Cool Daylight |
| Chromaticity Coordinate X (Nom) | 310 |
| Chromaticity Coordinate Y (Nom) | 323 |
| Colour Temperature, horizontal (Nom) | 6500 K |
| Luminous Efficacy (rated) (Nom) | 58.3 lm/W |
| Colour Rendering Index horiz (Nom) | 98 |

| | |
|-----------------------|------|
| Depreciation 2000 hrs | 93 % |
| LLMF 4000 h Rated | 90 % |
| Depreciation 5000 hrs | 88 % |
| LLMF 8000 h Rated | 85 % |
| LLMF 12000 h Rated | 82 % |
| LLMF 16000 h Rated | 80 % |
| LLMF 20000 h Rated | 78 % |

Operating and Electrical

| | |
|---------------------|---------|
| Power (Rated) (Nom) | 36.0 W |
| Lamp Current (Nom) | 0.440 A |

Temperature

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

Controls and Dimming

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

Approval and Application

| | |
|-------------------------------|--------|
| Energy Efficiency Label | B |
| Mercury (Hg) Content (Nom) | 2 mg |
| Energy Consumption kWh/1000 h | 43 kWh |

MASTER TL-D 90 Graphica

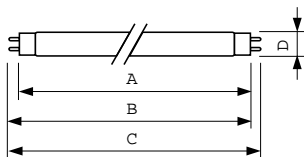
| Product Data | |
|-------------------------------|--|
| Full product code | 871150088836525 |
| Order product name | MASTER TL-D 90 Graphica 36W/965 SLV/10 |
| EAN/UPC - Product | 8711500888365 |
| Order code | 88836525 |
| Numerator - Quantity Per Pack | 1 |

| | |
|---------------------------------|-------------------|
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 928044796581 |
| Net Weight (Piece) | 135.000 g |
| ILCOS Code | FD-36/65/1A-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.

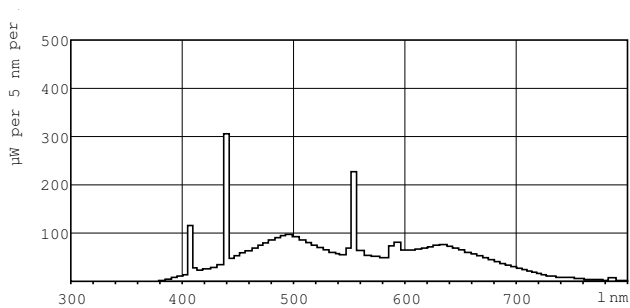
Dimensional drawing



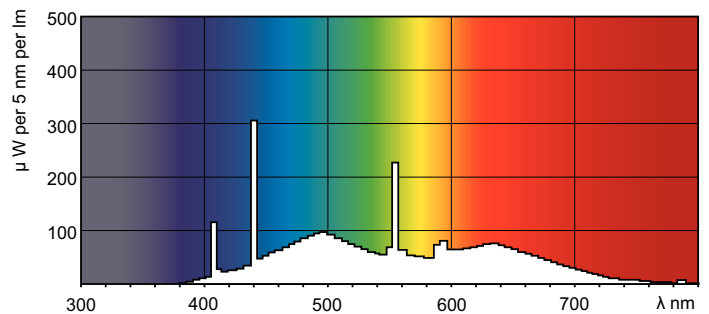
| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL-D 90 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| Graphica 36W/965 | | | | | |
| SLV/10 | | | | | |

TL-D Graphica 36W/965

Photometric data



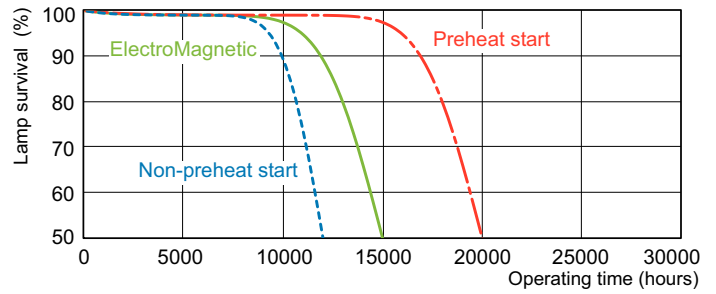
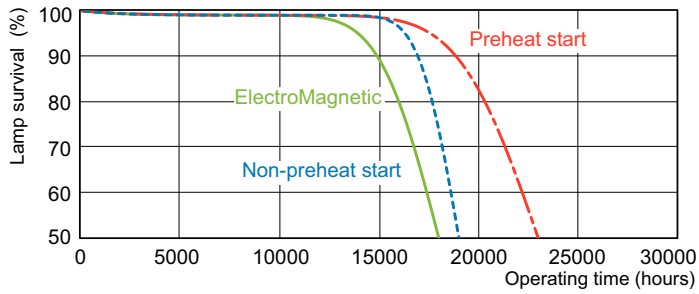
Lightcolour TL-D Graphica /965



Lightcolour TL-D Graphica /965

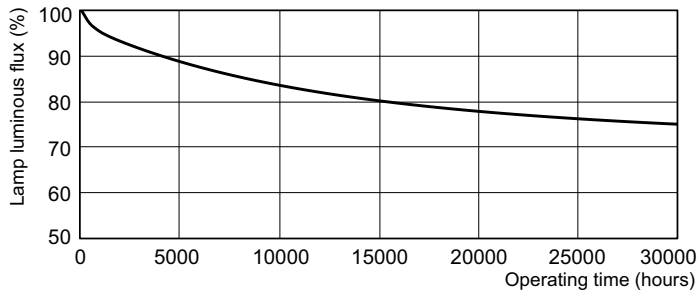
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Lifetime



MASTER TL-D 90 Graphica Life Expectancy 12 h cycle

MASTER TL-D 90 Graphica Life Expectancy 3 h cycle



MASTER TL-D 90 Graphica Lumen Maintenance 3 h + 12 h cycle

