



# MASTER TL5 High Output



## MASTER TL5 HO 49W/840 1SL/40

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

### 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                           | G5 [ G5]             |
| Life to 50% Failures Preheat (Nom) | 30000 h              |
| Features                           | na [ Not Applicable] |
| System Description                 | High Output (HO)     |
| LSF Preheat 2000 h Rated           | 99 %                 |
| LSF Preheat 4000 h Rated           | 99 %                 |
| LSF Preheat 6000 h Rated           | 99 %                 |
| LSF Preheat 8000 h Rated           | 99 %                 |
| LSF Preheat 16000 h Rated          | 97 %                 |
| LSF Preheat 20000 h Rated          | 84 %                 |
| Flux measurement reference         | Sphere               |

| Light technical                              |                     |
|--|---------------------|
| Colour Code                                  | 840 [ CCT of 4000K] |
| Luminous Flux (Nom)                          | 4375 lm             |
| Luminous Flux (Rated) (Nom)                  | 4375 lm             |
| Colour Designation                           | Cool White (CW)     |
| Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 99 lm/W             |

| Operating and electrical |         |
|--------------------------|---------|
| Power (Rated) (Nom)      | 49.3 W  |
| Lamp Current (Nom)       | 0.255 A |

|                                      |         |
|--------------------------------------|---------|
| Chromaticity Coordinate X (Nom)      | 0.38    |
| Chromaticity Coordinate Y (Nom)      | 0.38    |
| Colour Temperature, horizontal (Nom) | 4000 K  |
| Luminous Efficacy (rated) (Nom)      | 89 lm/W |
| Colour Rendering Index horiz (Max)   | 85      |
| Colour Rendering Index horiz (Min)   | 80      |
| Colour Rendering Index horiz (Nom)   | 80      |
| Depreciation 2000 hrs                | 96 %    |
| LLMF 4000 h Rated                    | 95 %    |
| Depreciation 5000 hrs                | 94 %    |
| LLMF 8000 h Rated                    | 93 %    |
| LLMF 12000 h Rated                   | 92 %    |
| LLMF 16000 h Rated                   | 90 %    |
| LLMF 20000 h Rated                   | 90 %    |

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## Temperature

|                          |       |
|--------------------------|-------|
| Design Temperature (Nom) | 35 °C |
|--------------------------|-------|

## Controls and dimming

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

## Mechanical and housing

|                      |                  |
|----------------------|------------------|
| Cap-Base Information | Green Plate      |
| Bulb Shape           | T5 [ 16 mm (T5)] |

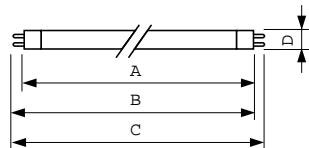
## Approval and application

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Class       | G      |
| Mercury (Hg) Content (Nom)    | 1.2 mg |
| Energy Consumption kWh/1000 h | 50 kWh |
| EPREL Registration Number     | 423548 |

## Product data

|                                 |                              |
|---------------------------------|------------------------------|
| Full product code               | 871150063956155              |
| Order product name              | MASTER TL5 HO 49W/840 SLV/40 |
| EAN/UPC - Product               | 8711500639561                |
| Order code                      | 63956155                     |
| Numerator - Quantity Per Pack   | 1                            |
| Local code description          | 3816714                      |
| Numerator - Packs per outer box | 40                           |
| Material Nr. (12NC)             | 927927584055                 |
| Net Weight (Piece)              | 128.700 g                    |
| ILCOS Code                      | FDH-49/40/1B-L/P-G5-16/1450  |

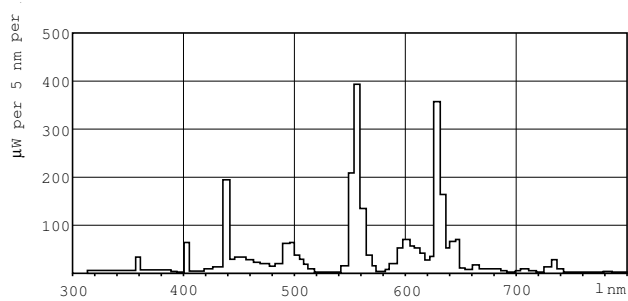
## Dimensional drawing



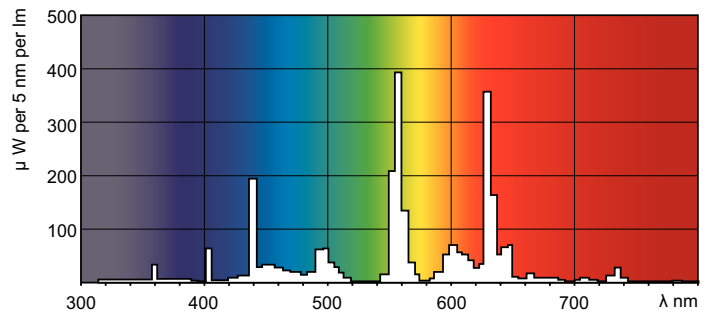
| Product                         | D (max) | A (max)   | B (max)   | B (min)   | C (max)   |
|---------------------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL5 HO<br>49W/840 SLV/40 | 17 mm   | 1449.0 mm | 1456.1 mm | 1453.7 mm | 1463.2 mm |

## MASTER TL5 HO 49W/840 SLV/40

## Photometric data



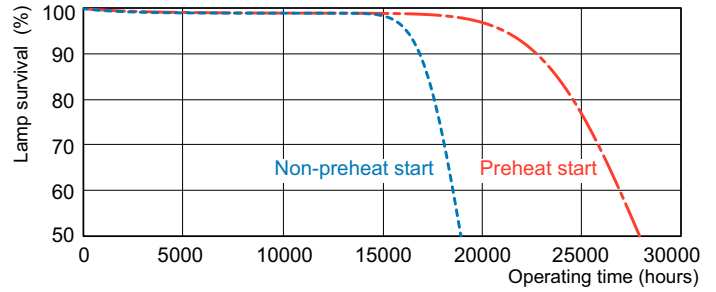
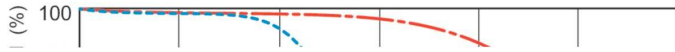
## Lightcolour /840



## Lightcolour /840

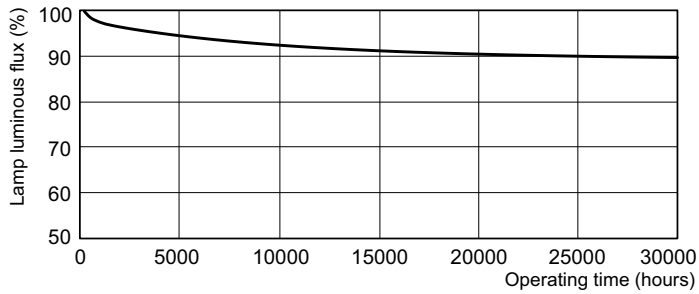
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## Lifetime



LDLE\_TL5-HO8\_0001-Life expectancy diagram

LDLE\_TL5-HO8\_0002-Life expectancy diagram



LDLM\_TL5-HO8\_0001-Lumen maintenance diagram

