



# MASTER TL5 <sup>SHOP220</sup> High Output

MASTER TL5 HO 49W/830 UNP

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

## Product data

### • General Characteristics

|                      |             |
|----------------------|-------------|
| System Description   | High Output |
| Cap-Base             | G5          |
| Cap-Base Information | Green Plate |
| Bulb                 | T5 [16 mm]  |
| Life to 10% fail     | 19000 hr    |
| Preheat EL,3h        |             |
| Life to 50% fail     | 24000 hr    |
| Preheat EL,3h        |             |
| LSF HF Preheat       | 99 %        |
| 2000h Rated,3h       |             |
| LSF HF Preheat       | 99 %        |
| 4000h Rated,3h       |             |
| LSF HF Preheat       | 99 %        |
| 6000h Rated,3h       |             |
| LSF HF Preheat       | 99 %        |
| 8000h Rated,3h       |             |
| LSF HF Preheat       | 99 %        |
| 12000h Rated,3h      |             |
| LSF HF Preheat       | 97 %        |
| 16000h Rated,3h      |             |
| LSF HF Preheat       | 84 %        |
| 20000h Rated,3h      |             |

### • Light Technical Characteristics

|                   |                    |
|-------------------|--------------------|
| Color Code        | 830 [CCT of 3000K] |
| Color Rendering   | 85 Ra8             |
| Index             |                    |
| Color Designation | Warm White         |
| (text)            |                    |
| Color Temperature | 3000 K             |
| Luminous Flux EL  | 4375 Lm            |
| 25°C, Rated       |                    |
| Luminous Flux EL  | 4375 Lm            |
| 25°C, Nominal     |                    |

|                      |         |
|----------------------|---------|
| Luminous Flux Lamp   | 4900 Lm |
| EL 35°C              |         |
| Lum Efficacy Rated   | 89 Lm/W |
| HF 25°C              |         |
| Lum Efficacy Rated   | 99 Lm/W |
| HF 35°C              |         |
| LLMF HF 2000h        | 96 %    |
| Rated                |         |
| LLMF HF 4000h        | 95 %    |
| Rated                |         |
| LLMF HF 6000h        | 94 %    |
| Rated                |         |
| LLMF HF 8000h        | 93 %    |
| Rated                |         |
| LLMF HF 12000h       | 92 %    |
| Rated                |         |
| LLMF HF 16000h       | 91 %    |
| Rated                |         |
| LLMF HF 20000h       | 90 %    |
| Rated                |         |
| Design Temperature   | 35 C    |
| Chromaticity Coordi- | 440 -   |
| nate X               |         |
| Chromaticity Coordi- | 403 -   |
| nate Y               |         |

### • Electrical Characteristics

|                 |        |
|-----------------|--------|
| Lamp Wattage    | 49 W   |
| Lamp Wattage EL | 49.2 W |
| 25°C, Rated     |        |
| Lamp Wattage EL | 49 W   |
| 25°C, Nominal   |        |
| Lamp Wattage EL | 49.3 W |
| 35°C            |        |
| Lamp Voltage EL | 190 V  |
| 25°C            |        |



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|                      |         |
|----------------------|---------|
| Lamp Voltage EL 35°C | 191 V   |
| Lamp Current EL 25°C | 0.255 A |
| Lamp Current EL 35°C | 0.260 A |
| Dimmable             | Yes     |

### • Environmental Characteristics

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | A      |
| Mercury (Hg) Content          | 1.4 mg |

### • Measuring Conditions

|                            |         |
|----------------------------|---------|
| Calibration Current        | 0.255 A |
| HF Generator Rated Voltage | 390 V   |
| Resistor                   | 765 ohm |

### • Product Dimensions

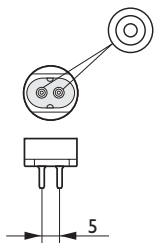
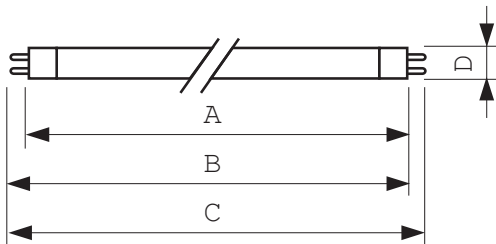
|                          |                 |
|--------------------------|-----------------|
| Base Face to Base Face A | 1449.0 (max) mm |
|--------------------------|-----------------|

|                    |                               |
|--------------------|-------------------------------|
| Insertion Length B | 1453.7 (min), 1456.1 (max) mm |
| Overall Length C   | 1463.2 (max) mm               |
| Diameter D         | 17 (max) mm                   |

### • Product Data

|                             |                              |
|-----------------------------|------------------------------|
| Order code                  | 927927583018                 |
| Full product code           | 927927583018                 |
| Full product name           | MASTER TL5 HO 49W/830 UNP    |
| Order product name          | MASTER TL5 HO 49W/830 UNP/40 |
| Pieces per pack             | 1                            |
| Packing configuration       | 40                           |
| Packs per outerbox          | 40                           |
| Bar code on pack - EAN1     | 8711500637529                |
| Bar code on outerbox - EAN3 | 8711500637536                |
| Logistic code(s) - 12NC     | 927927583018                 |
| ILCOS code                  | FDH-49/30/1B-L/P-G5-16/1450  |
| Net weight per piece        | 128.700 gr                   |

## Dimensional drawing

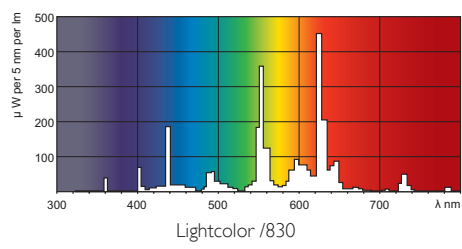
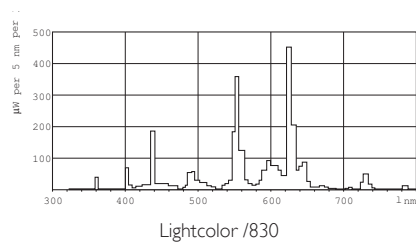


G5

### MASTER TL5 HO 49W/830 UNP

| Product        | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|----------------|---------|---------|---------|---------|---------|
| TL5 HO 49W/830 | 1449.0  | 1453.7  | 1456.1  | 1463.2  | 17      |

## Photometric data



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2013, April 5  
data subject to change