



# MASTER TL5 ActiViva

## MASTER TL5 HO ActiViva Active 49W 1SL

This TL5 lamp (tube diameter 16 mm) delivers blue-enriched white light. Scientific studies prove that ActiViva lamps make people feel more vital and energized. This lamp offers an optimal balance between light for vision and for well-being. An ideal solution for areas where incident daylight is limited. Application areas include schools, industry, offices and homes for the elderly. The ActiViva lamp is used in the Philips SchoolVision solution, which improves children's performance.

### 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        | 452             |
| Color Rendering   | 82 Ra8          |
| Index             |                 |
| Color Designation | ActiViva Active |
| (text)            |                 |
| Color Temperature | 17000 K         |
| Luminous Flux EL  | 3700 Lm         |
| 25°C, Rated       |                 |
| Luminous Flux EL  | 3700 Lm         |
| 25°C, Nominal     |                 |

|                           |         |
|---------------------------|---------|
| Luminous Flux Lamp        | 4150 Lm |
| EL 35°C                   |         |
| Lum Efficacy Rated        | 74 Lm/W |
| HF 25°C                   |         |
| Lum Efficacy Rated        | 94 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 Coordinate X | 262 -   |
| Chromaticity Coordinate Y | 265 -   |

#### • Electrical Characteristics

|                 |        |
|-----------------|--------|
| Lamp Wattage    | 49 W   |
| Lamp Wattage EL | 49.7 W |
| 25°C, Rated     |        |
| Lamp Wattage EL | 49 W   |
| 25°C, Nominal   |        |
| Lamp Wattage EL | 49.3 W |
| 35°C            |        |
| Lamp Voltage EL | 195 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) | B      |
| Mercury (Hg) Content          | 1.4 mg |

## • Measuring Conditions

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

## • Product Dimensions

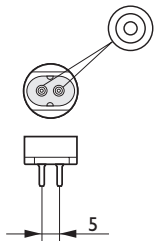
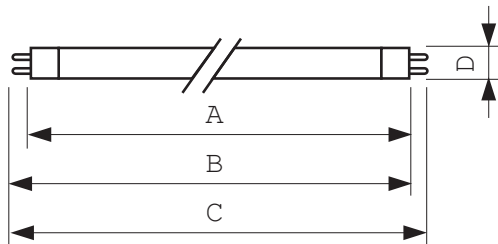
|                          |                 |
|--------------------------|-----------------|
| Base Face to Base Face A | 1449.0 (max) mm |
|--------------------------|-----------------|

|                    |                               |
|--------------------|-------------------------------|
| 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                  | 927927545253                          |
| Full product code           | 927927545253                          |
| Full product name           | MASTER TL5 HO ActiViva Active 49W 1SL |
| Order product name          | MST TL5 HO ActiViva Active 49W 1SL/40 |
| Pieces per pack             | 1                                     |
| Packing configuration       | 40                                    |
| Packs per outerbox          | 40                                    |
| Bar code on pack - EAN1     | 8711500951816                         |
| Bar code on outerbox - EAN3 | 8711500951823                         |
| Logistic code(s) - 12NC     | 927927545253                          |
| ILCOS code                  | FDH-49/170/1B-L/P-G5-16/1450          |
| Net weight per piece        | 128.700 gr                            |

## Dimensional drawing

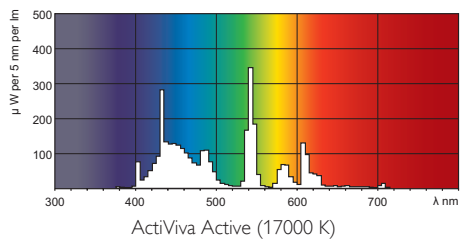
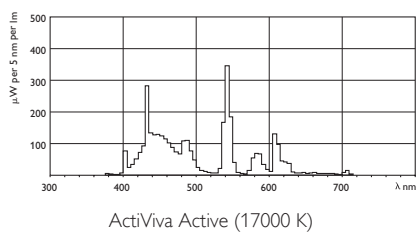


G5

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| Product                        | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|--------------------------------|---------|---------|---------|---------|---------|
| TL5 HO 49W/452 ActiViva Active | 1449.0  | 1453.7  | 1456.1  | 1463.2  | 17      |

## Photometric data



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[www.philips.com/lighting](http://www.philips.com/lighting)

2013, May 9  
data subject to change