PHILIPS

# MASTER TL5 High Efficiency

TL5HE8



## High efficient fluorescent lighting

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

### Benefits

- Allows system miniaturization and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- High lamp efficacies and luminaire efficiencies

### Applications

- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-effective lighting is required

### Features

- 40% thinner and 5 cm shorter than corresponding TL-D lamps
- High lamp efficacies up to 104 lm/W

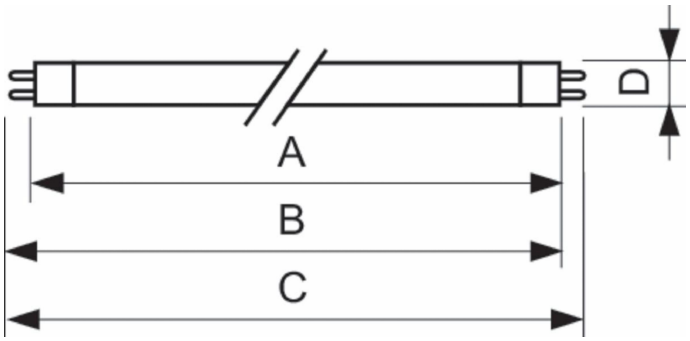
- Specifically designed for operation with electronic gear
- Maximum light output reached at approximately 35 °C in free-burning position
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

## Versions



LPPR TL5-HE8

## Dimensional drawing




| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|---|---|---|---|---|---|
| MASTER TL5 HE 14W/827 SLV/40 | 17 mm | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |
| MASTER TL5 HE 14W/830 SLV/40 | 17 mm | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |
| MASTER TL5 HE 14W/840 SLV/40 | 17 mm | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |
| MASTER TL5 HE 14W/865 SLV/40 | 17 mm | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |
| MASTER TL5 HE 21W/830 SLV/40 | 17 mm | 849.0 mm | 856.1 mm | 853.7 mm | 863.2 mm |
| MASTER TL5 HE 21W/840 SLV/40 | 17 mm | 849.0 mm | 856.1 mm | 853.7 mm | 863.2 mm |
| MASTER TL5 HE 21W/865 SLV/40 | 17 mm | 849.0 mm | 856.1 mm | 853.7 mm | 863.2 mm |
| MASTER TL5 HE 28W/830 SLV/40 | 17 mm | 1,149.0 mm | 1,156.1 mm | 1,153.7 mm | 1,163.2 mm |
| MASTER TL5 HE 28W/840 SLV/40 | 17 mm | 1,149.0 mm | 1,156.1 mm | 1,153.7 mm | 1,163.2 mm |
| MASTER TL5 HE 28W/865 SLV/40 | 17 mm | 1,149.0 mm | 1,156.1 mm | 1,153.7 mm | 1,163.2 mm |
| MASTER TL5 HE 35W/840 SLV/40 | 17 mm | 1,449.0 mm | 1,456.1 mm | 1,453.7 mm | 1,463.2 mm |
| MASTER TL5 HE 35W/865 SLV/40 | 17 mm | 1,449.0 mm | 1,456.1 mm | 1,453.7 mm | 1,463.2 mm |

### General Information

| | |
|---|---|
| Cap-Base | G5 |

### Controls and Dimming

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

### Mechanical and Housing

| | |
|---|---|
| Bulb Shape | T5 |

### Approval and Application

| | |
|---|---|
| Mercury (Hg) Content (Nom) | 1.2 mg |

## Light Technical

| Order Code | Full Product Name | Luminous Flux | Color Designation | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Color rendering index (CRI) |
|---|---|---|---|---|---|---|---|---|
| 927926082755 | MASTER TL5 HE 14W/827 SLV/40 | 1,200 lm | Incandescent White | 0.463 | 0.42 | 2700 K | 86 lm/W | 82 |
| 927926083055 | MASTER TL5 HE 14W/830 SLV/40 | 1,200 lm | Warm White (WW) | 0.44 | 0.403 | 3000 K | 86 lm/W | 82 |
| 927926084055 | MASTER TL5 HE 14W/840 SLV/40 | 1,200 lm | Cool White (CW) | 0.38 | 0.38 | 4000 K | 86 lm/W | 80 |
| 927926086555 | MASTER TL5 HE 14W/865 SLV/40 | 1,125 lm | Cool Daylight | 0.313 | 0.337 | 6500 K | 80 lm/W | 82 |
| 927926283055 | MASTER TL5 HE 21W/830 SLV/40 | 1,900 lm | Warm White (WW) | 0.44 | 0.403 | 3000 K | 90 lm/W | 82 |
| 927926284055 | MASTER TL5 HE 21W/840 SLV/40 | 1,900 lm | Cool White (CW) | 0.38 | 0.38 | 4000 K | 90 lm/W | 80 |
| 927926286555 | MASTER TL5 HE 21W/865 SLV/40 | 1,750 lm | Cool Daylight | 0.313 | 0.337 | 6500 K | 84 lm/W | 82 |
| 927926583055 | MASTER TL5 HE 28W/830 SLV/40 | 2,675 lm | Warm White (WW) | 0.44 | 0.403 | 3000 K | 96 lm/W | 82 |
| 927926584055 | MASTER TL5 HE 28W/840 SLV/40 | 2,675 lm | Cool White (CW) | 0.38 | 0.38 | 4000 K | 96 lm/W | 80 |
| 927926586555 | MASTER TL5 HE 28W/865 SLV/40 | 2,500 lm | Cool Daylight | 0.313 | 0.337 | 6500 K | 90 lm/W | 82 |
| 927927084055 | MASTER TL5 HE 35W/840 SLV/40 | 3,315 lm | Cool White (CW) | 0.38 | 0.38 | 4000 K | 94 lm/W | 80 |
| 927927086555 | MASTER TL5 HE 35W/865 SLV/40 | 3,100 lm | Cool Daylight | 0.313 | 0.337 | 6500 K | 87 lm/W | 82 |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption | Lamp Current (Nom) |
|---|---|---|---|
| 927926082755 | MASTER TL5 HE 14W/827 SLV/40 | 14.0 W | 0.165 A |
| 927926083055 | MASTER TL5 HE 14W/830 SLV/40 | 14.0 W | 0.165 A |
| 927926084055 | MASTER TL5 HE 14W/840 SLV/40 | 14.0 W | 0.165 A |

| Order Code | Full Product Name | Power Consumption | Lamp Current (Nom) |
|---|---|---|---|
| 927926086555 | MASTER TL5 HE 14W/865 SLV/40 | 14.0 W | 0.165 A |
| 927926283055 | MASTER TL5 HE 21W/830 SLV/40 | 20.8 W | 0.165 A |
| 927926284055 | MASTER TL5 HE 21W/840 SLV/40 | 20.8 W | 0.165 A |
| 927926286555 | MASTER TL5 HE 21W/865 SLV/40 | 20.8 W | 0.165 A |
| 927926583055 | MASTER TL5 HE 28W/830 SLV/40 | 28.1 W | 0.170 A |
| 927926584055 | MASTER TL5 HE 28W/840 SLV/40 | 28.1 W | 0.170 A |
| 927926586555 | MASTER TL5 HE 28W/865 SLV/40 | 28.1 W | 0.170 A |
| 927927084055 | MASTER TL5 HE 35W/840 SLV/40 | 34.9 W | 0.175 A |
| 927927086555 | MASTER TL5 HE 35W/865 SLV/40 | 34.9 W | 0.175 A |

## Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|---|---|---|
| 927926082755 | MASTER TL5 HE 14W/827 SLV/40 | 14 kWh |
| 927926083055 | MASTER TL5 HE 14W/830 SLV/40 | 14 kWh |
| 927926084055 | MASTER TL5 HE 14W/840 SLV/40 | 14 kWh |
| 927926086555 | MASTER TL5 HE 14W/865 SLV/40 | 14 kWh |
| 927926283055 | MASTER TL5 HE 21W/830 SLV/40 | 21 kWh |
| 927926284055 | MASTER TL5 HE 21W/840 SLV/40 | 21 kWh |
| 927926286555 | MASTER TL5 HE 21W/865 SLV/40 | 21 kWh |
| 927926583055 | MASTER TL5 HE 28W/830 SLV/40 | 29 kWh |
| 927926584055 | MASTER TL5 HE 28W/840 SLV/40 | 29 kWh |
| 927926586555 | MASTER TL5 HE 28W/865 SLV/40 | 29 kWh |
| 927927084055 | MASTER TL5 HE 35W/840 SLV/40 | 35 kWh |
| 927927086555 | MASTER TL5 HE 35W/865 SLV/40 | 35 kWh |

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