



The best compatibility, long life and energy savings - all in one lamp

MasterClass LEDtube InstantFit T8

The MasterClass InstantFit TLED is a great LED solution suitable for replacing T8 fluorescent lamps, using the existing ballast. MasterClass TLEDs feature a shatter-resistant polycarbonate construction, 70,000 hour life and a standard 7-year limited warranty. When maximum energy savings and long life are needed, Philips MasterClass TLED are the solution.

Benefits

- Offers lowest cost of installation and easiest upgrade fluorescent T8's to LED lighting technology
- MasterClass TLEDs work on both ballasts and with Philips TLED drivers for Type A or Type C operation.
- Reliable lighting performance - excellent color and lumen maintenance
- Shatter-resistant polycarbonate construction

Features

- Average life rating of up to 70,000 hours and a 7-year limited warranty
- Compatibility with over 200 ballasts and drivers
- Operates as both a Type A and a Type C lamp.
- DLC, NSF and RoHS listed
- Available shatter-resistant polycarbonate construction

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Application

- Office and Retail
- Industrial and warehouses
- Parking lots and covered car parks
- Type A and Type C operation in one lamp

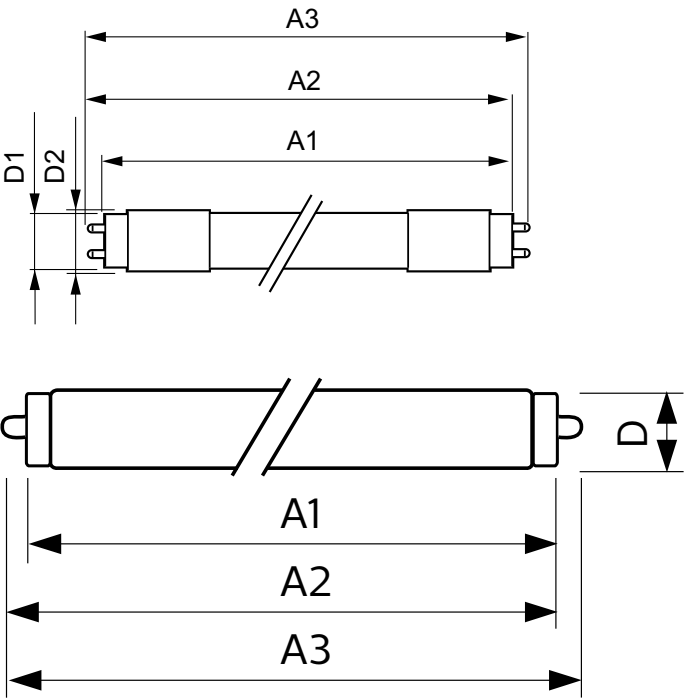
Versions



FA8

G13

Dimensional drawing



| Product | D1 | D2 | A1 | A2 | A3 |
|-------------------------------|---------|-------|-----------|-----------|-----------|
| 15.5T8/MAS/48-830/IF23/P 25/1 | 25.7 mm | 28 mm | 1198.1 mm | 1205.2 mm | 1212.3 mm |

| Product | D | A1 | A2 | A3 |
|--------------------------|---------|-----------|-----------|-----------|
| 35T8/96-6500 IF FA8 10/1 | 27.9 mm | 2366.9 mm | 2375.2 mm | 2383.5 mm |

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| Controls and Dimming | |
|---------------------------------------|--------|
| Dimmable | No |
| General Information | |
| Switching Cycle | 50000X |
| Light Technical | |
| Llmf At End Of Nominal Lifetime (Nom) | 70 % |
| Temperature | |
| T-Storage (Max) | 65 °C |
| T-Storage (Min) | -40 °C |

Operating and Electrical

| Order Code | Full Product Name | Input Frequency | Voltage (Nom) | Power (Rated) (Nom) | Starting Time (Nom) |
|------------|--------------------------|-----------------|---------------|---------------------|---------------------|
| 469262 | 35T8/96-6500 IF FA8 10/1 | 50000-64000 Hz | 280-410 V | 35 W | - |

| Order Code | Full Product Name | Input Frequency | Voltage (Nom) | Power (Rated) (Nom) | Starting Time (Nom) |
|------------|-------------------------------|-----------------|---------------|---------------------|---------------------|
| 545178 | 15.5T8/MAS/48-830/IF23/P 25/1 | 50 to 60 Hz | 120-277 V | 15.5 W | 0.5 s |

General Information

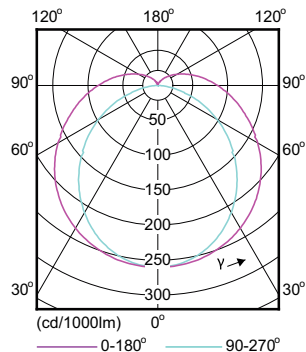
| Order Code | Full Product Name | Cap-Base | Nominal Lifetime (Nom) | Rated Lifetime (Hours) |
|------------|-------------------------------|----------|------------------------|------------------------|
| 469262 | 35T8/96-6500 IF FA8 10/1 | FA8 | 50000 h | 50000 h |
| 545178 | 15.5T8/MAS/48-830/IF23/P 25/1 | G13 | 70000 h | 70000 h |

Light Technical

| Order Code | Full Product Name | Beam Angle (Nom) | Color Code | Correlated Color Temperature (Nom) | Color Rendering Index (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) | Rated Beam Angle |
|------------|-------------------------------|------------------|------------|------------------------------------|-----------------------------|---------------------|-----------------------------|------------------|
| 469262 | 35T8/96-6500 IF FA8 10/1 | - | 865 | 6500 K | 82 | 4200 lm | 4200 lm | - |
| 545178 | 15.5T8/MAS/48-830/IF23/P 25/1 | 180 ° | 830 | 3000 K | 80 | 2300 lm | 2300 lm | 180 ° |

Temperature

| Order Code | Full Product Name | T-Ambient (Max) | T-Ambient (Min) | T-Case Maximum (Nom) |
|------------|-------------------------------|-----------------|-----------------|----------------------|
| 469262 | 35T8/96-6500 IF FA8 10/1 | - | - | - |
| 545178 | 15.5T8/MAS/48-830/IF23/P 25/1 | 55 °C | -20 °C | 50 °C |



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