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. When maximum energy savings and long life are needed, Philips MasterClass TLEDs are the solution.

### Product data

#### General Information
- **Base:** FA8 (FA8)
- **EU RoHS compliant:** Yes
- **Nominal Lifetime (Nom):** 50000 h
- **Switching Cycle:** 50000X

#### Light Technical
- **Color Code:** 835 (CCT of 3500K)
- **Beam Angle (Nom):** 180°
- **Initial lumen (Nom):** 4000 lm
- **Color Designation:** White (WH)
- **Correlated Color Temperature (Nom):** 3500 K
- **Luminous Efficacy (rated) (Nom):** 114.00 lm/W
- **Color Consistency:** <6
- **Color Rendering Index (Nom):** 82
- **LLMF At End Of Nominal Lifetime (Nom):** 70%

#### Operating and Electrical
- **Input Frequency:** 50000–64000 Hz
- **Power (Rated) (Nom):** 35 W
- **Lamp Current (Max):** 260 mA
- **Lamp Current (Min):** 160 mA
- **Warm Up Time to 60% Light (Nom):** 0.5 s

#### Temperature
- **T-Ambient (Max):** 45 °C
- **T-Ambient (Min):** -20 °C
- **T-Storage (Max):** 65 °C
- **T-Storage (Min):** -40 °C
- **T-Case Maximum (Nom):** 45 °C

#### Controls and Dimming
- **Dimmable:** No

#### Mechanical and Housing
- **Bulb Material:** Plastic
- **Product Length:** 96 in

#### Approval and Application
- **Energy Efficiency Label (EEL):** Not applicable
- **Energy Saving Product:** Yes
- **Approbation Marks:** UL certificate

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**Datasheet, 2021, April 13**

Data subject to change
**T8**

**Energy Consumption kWh/1000 h** - kWh

**Product Data**

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<tr>
<th>Order product name</th>
<th>35T8/96-3500 IF FA8 10/1</th>
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**Numerator - Quantity Per Pack** 1

**Dimensional drawing**

![Dimensional drawing](image)

**Photometric data**

![Photometric data](image)

**Product**

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<th>A3</th>
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<td>27.9 mm</td>
<td>2366.9 mm</td>
<td>2375.2 mm</td>
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</tbody>
</table>

**Material Nr. (12NC)** 929001307804

**Net Weight (Piece)** 0.540 kg

**Model Number** 9290013078

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Datasheet, 2021, April 13  
Data subject to change
T8

Lifetime

Lumen in %

0 20000 100000

Burning hours

30000 50000 40000

TLED Ess 35W FA8 T8 IF

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2021, April 13 - data subject to change