PHILIPS

Lighting

# Efficient fluorescent lighting with improved color rendering

## TL-D LIFEMAX Super 80

The TL-D LIFEMAX Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp can be operated in existing TL-D luminaires.

### Benefits

- Good color rendering
- Relatively high efficacy, both initially and during lamp lifetime, with high lumen maintenance
- Create atmospheres from warm white to cool daylight

### Features

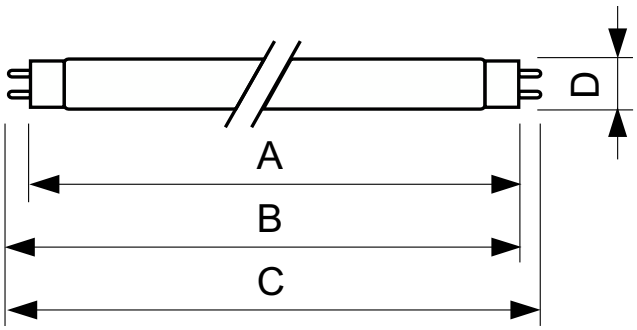
- Highly efficient 3-band fluorescent coating
- High initial light output compared with standard colors
- Low mercury dose
- Can be used with conventional or electronic gear
- Higher efficacy is achieved with electronic gear

### Application

- Suitable for use in a wide range of luminaires for TL-D fluorescent lamps for 'human' applications such as schools, offices, shops, factory halls etc.

# TL-D LIFEMAX Super 80

## Dimensional drawing




| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|---|---|---|---|---|---|
| TL-D 18W/827 1SL/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm |
| TL-D 18W/830 1SL/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm |
| TL-D 18W/840 1SL/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm |
| TL-D 18W/865 1SL/25 | 28 mm | 589.8 mm | 596.9 mm | 594.5 mm | 604 mm |
| TL-D 36W/827 1SL/25 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| TL-D 36W/830 1SL/25 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| TL-D 36W/840 1SL/25 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| TL-D 36W/865 1SL/25 | 28 mm | 1199.4 mm | 1206.5 mm | 1204.1 mm | 1213.6 mm |
| TL-D 58W/865 1SL/25 | 28 mm | 1500.0 mm | 1507.1 mm | 1504.7 mm | 1514.2 mm |

| General Information | |
|---|---|
| **Cap-Base** | G13 |
| **Nominal lifetime** | 15000 hour(s) |
| **Controls and Dimming** | |
| **Dimmable** | Yes |
| **Mechanical and Housing** | |
| **Bulb Shape** | T8 |
| **Approval and Application** | |
| **Mercury (Hg) Content (Nom)** | 2.0 mg |

## Light Technical

| Order Code | Full Product Name | Color Designation | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|---|---|---|---|---|---|
| 927980282736 | TL-D 18W/827 1SL/25 | Incandescent White | 2700 K | 82 | 75 lm/W |
| 927980283036 | TL-D 18W/830 1SL/25 | Warm White (WW) | 3000 K | 83 | 75 lm/W |
| 927980284036 | TL-D 18W/840 1SL/25 | Cool White (CW) | 4000 K | 82 | 75 lm/W |
| 927980286536 | TL-D 18W/865 1SL/25 | Cool Daylight | 6500 K | 80 | 71 lm/W |
| 927982282736 | TL-D 36W/827 1SL/25 | Incandescent White | 2700 K | 82 | 90 lm/W |

| Order Code | Full Product Name | Color Designation | Correlated Color Temperature (Nom) | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) |
|---|---|---|---|---|---|
| 927982283036 | TL-D 36W/830 1SL/25 | Warm White (WW) | 3000 K | 83 | 90 lm/W |
| 927982284036 | TL-D 36W/840 1SL/25 | Cool White (CW) | 4000 K | 82 | 90 lm/W |
| 927982286536 | TL-D 36W/865 1SL/25 | Cool Daylight | 6500 K | 80 | 85 lm/W |
| 927983286536 | TL-D 58W/865 1SL/25 | Cool Daylight | 6500 K | 80 | 82 lm/W |

## Operating and Electrical

# TL-D LIFEMAX Super 80

| Order Code | Full Product Name | Lamp Current (Nom) | Voltage (Nom) | Power Consumption |
|---|---|---|---|---|
| 927980282736 | TL-D 18W/827 1SL/25 | 0.360 A | 59 V | 18 W |
| 927980283036 | TL-D 18W/830 1SL/25 | 0.360 A | 59 V | 18 W |
| 927980284036 | TL-D 18W/840 1SL/25 | 0.360 A | 59 V | 18 W |
| 927980286536 | TL-D 18W/865 1SL/25 | 0.360 A | 59 V | 18 W |
| 927982282736 | TL-D 36W/827 1SL/25 | 0.440 A | 103 V | 36 W |

| Order Code | Full Product Name | Lamp Current (Nom) | Voltage (Nom) | Power Consumption |
|---|---|---|---|---|
| 927982283036 | TL-D 36W/830 1SL/25 | 0.440 A | 103 V | 36 W |
| 927982284036 | TL-D 36W/840 1SL/25 | 0.440 A | 103 V | 36 W |
| 927982286536 | TL-D 36W/865 1SL/25 | 0.440 A | 103 V | 36 W |
| 927983286536 | TL-D 58W/865 1SL/25 | 0.670 A | 111 V | 58.5 W |

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