



TL5 Essential HE Super 80

TL5 Essential 28W/827 1SL/40

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturized lighting solution with high reliability at low price.

Product data

| General Information | |
|--|---------------------|
| Cap-Base | G5 [G5] |
| Life to 50% Failures Preheat (Nom) | 20000 h |
| LSF Preheat 2000 h Rated | 98 % |
| LSF Preheat 4000 h Rated | 97 % |
| LSF Preheat 6000 h Rated | 95 % |
| LSF Preheat 8000 h Rated | 93 % |
| LSF Preheat 16000 h Rated | 70 % |
| LSF Preheat 20000 h Rated | 50 % |
| Light Technical | |
| Color Code | 827 [CCT of 2700K] |
| Luminous Flux (Nom) | 2900 lm |
| Luminous Flux (Rated) (Nom) | 2600 lm |
| Color Designation | Incandescent White |
| Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 104 lm/W |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 94 lm/W |
| Color Rendering Index (Max) | 85 |
| Color Rendering Index (Min) | 80 |
| Color Rendering Index (Nom) | 82 |

| | |
|--------------------|------|
| LLMF 2000 h Rated | 94 % |
| LLMF 4000 h Rated | 92 % |
| LLMF 6000 h Rated | 91 % |
| LLMF 8000 h Rated | 90 % |
| LLMF 12000 h Rated | 88 % |
| LLMF 16000 h Rated | 87 % |
| LLMF 20000 h Rated | 86 % |

Operating and Electrical

| | |
|---------------------|---------|
| Power (Rated) (Nom) | 27.8 W |
| Lamp Current (Nom) | 0.170 A |

Temperature

| | |
|--------------------------|-------|
| Design Temperature (Nom) | 30 °C |
|--------------------------|-------|

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Approval and Application

| | |
|-------------------------------|---|
| Energy Efficiency Label (EEL) | A |
|-------------------------------|---|

TL5 Essential HE Super 80

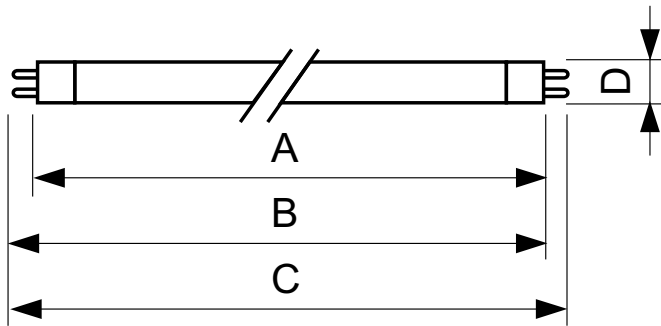
| | |
|----------------------------|------------------------------|
| Mercury (Hg) Content (Nom) | 2.0 mg |
| Product Data | |
| Full product code | 872790092135900 |
| Order product name | TL5 Essential 28W/827 1SL/40 |
| EAN/UPC - Product | 8727900921359 |
| Order code | 927926782758 |

| | |
|---------------------------------|--------------|
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 40 |
| Material Nr. (12NC) | 927926782758 |
| Net Weight (Piece) | 0.096 kg |

Warnings and Safety

- 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

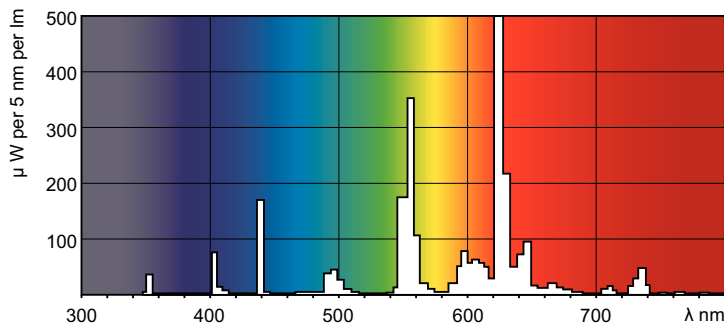
Dimensional drawing



TL5 ESS 28W/827

| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|---------------------------------|---------|-----------|-----------|-----------|-----------|
| TL5 Essential 28W/827 1SL/40 | 17.0 mm | 1149.0 mm | 1156.1 mm | 1153.7 mm | 1163.2 mm |

Photometric data



Lightcolor /827

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