



An affordable TL5 lamp with high light output

TL5 Essential HO Super 80

Low-pressure mercury discharge T5 lamp with tubular 16 mm envelope and high lumen output.

Benefits

- · Allows system miniaturization and maximum freedom in luminaire design
- · Optimized for installations requiring high luminous flux
- · Good color rendering

Features

- \cdot Designed for high lumen output and system miniaturization
- Highly efficient 3-band fluorescent coating in combination with precoating
- · Specifically designed for operation with electronic gear
- Maximum lumen output reached at approx. 35 °C in free burning position if an HF electronic ballast without additional electrode heating is used
- · Can be ignited from -10 °C to +50 °C

Application

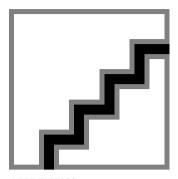
• Industry, public buildings, airports, indoor sports facilities, warehouses

Warnings and Safety

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

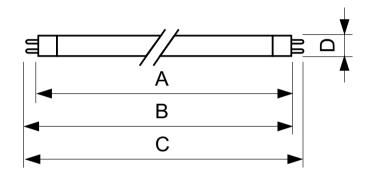
TL5 Essential HO Super 80

Versions



LPPR TL5ESS8

Dimensional drawing



| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|--------------------------|---------|------------|------------|------------|------------|
| TL5 Essential HO 54W/850 | 17.0 mm | 1,149.0 mm | 1,156.1 mm | 1,153.7 mm | 1,163.2 mm |
| 1SL/40 | | | | | |
| TL5 Essential HO 54W/865 | 17.0 mm | 1,149.0 mm | 1,156.1 mm | 1,153.7 mm | 1,163.2 mm |
| 1SL/40 | | | | | |

| General Information | |
|-----------------------------|---------|
| Cap-Base | G5 |
| | |
| Light Technical | |
| Color rendering index (CRI) | 82 |
| | |
| Operating and Electrical | |
| Lamp Current (Nom) | 0.460 A |
| Power Consumption | 54 W |
| | |
| Controls and Dimming | |
| Dimmable | Yes |
| | |
| Mechanical and Housing | |
| Bulb Shape | T5 |
| | |

Light Technical

| • | | | | | |
|--------------|---------------|-------------|-------------|----------|----------|
| | | | Correlated | Luminous | |
| | | | Color | Efficacy | |
| | Full Product | Color | Temperature | (rated) | Luminous |
| Order Code | Name | Designation | (Nom) | (Nom) | Flux |
| 927929385040 | TL5 Essential | 850 | 5000 K | 84 lm/W | 4,850 lm |

НО

TL5 Essential HO Super 80

| Order Code | Full Product Name | Color Designation | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|---------------------------------------|----------------------|------------------------------------|---------------------------------|------------------|
| | 54W/850 1SL/40 | | | | |
| 927929386540 | TL5 Essential HO 54W/865 1SL/40 | | 6500 K | 81.9 lm/W | 4,700 lm |

Approval and Application

| | | Energy Consumption | Mercury (Hg) |
|--------------|--------------------------|---------------------------|---------------|
| Order Code | Full Product Name | kWh/1000 h | Content (Nom) |
| 927929385040 | TL5 Essential HO 54W/850 | - | 2.2 mg |
| | 1SL/40 | | |

| | | Energy Consumption | Mercury (Hg) |
|--------------|--------------------------|---------------------------|---------------|
| Order Code | Full Product Name | kWh/1000 h | Content (Nom) |
| 927929386540 | TL5 Essential HO 54W/865 | 54 kWh | 2.0 mg |
| | 1SL/40 | | |



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.