PHILIPS

TL5 Essential HO Super 80

TL5ESHO8



An affordable TL5 lamp with high light output

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

Applications

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

Features

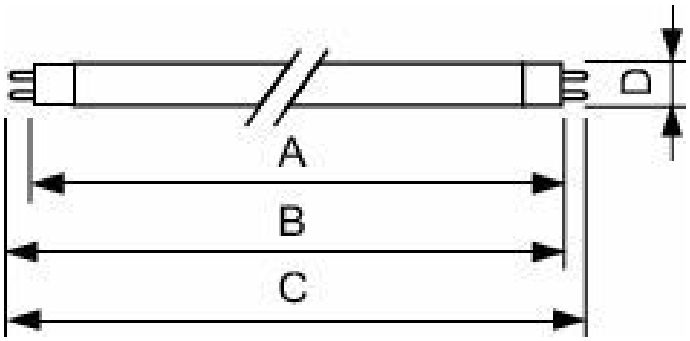
- Designed for high lumen output and system miniaturization
- Highly efficient 3-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear
- Maximum lumen output reached at approx. 35 °C in free burning position if an HF electronic ballast without additional electrode heating is used
- Can be ignited from -10 °C to +50 °C
- 20,000 hours lifetime (50% survival point, 3-hour cycle) with ENEC-compliant preheat ballast Lifetime performance may differ on non-ENEC-compliant ballasts

Versions



LPPR TL5ESS8

Dimensional drawing



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

General Information

Cap-Base	G5

Light Technical

Color rendering index (CRI)	82

Operating and Electrical

Power Consumption	54 W
Lamp Current (Nom)	0.460 A

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Shape	T5

Approval and Application

Energy Consumption kWh/1000 h	54 kWh

Light Technical

Order Code	Full Product Name	Luminous Flux	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
927929385040	TL5 Essential HO 54W/850 1SL/40	4,850 lm	850	5000 K	84 lm/W
927929386540	TL5 Essential HO 54W/865 1SL/40	4,700 lm	Cool Daylight	6500 K	81.9 lm/W

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Nom)
927929385040	TL5 Essential HO 54W/850 1SL/40	2.2 mg
927929386540	TL5 Essential HO 54W/865 1SL/40	2.0 mg

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