



2011, November 24  
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# Fit-for-use TL5 lamp

## TL5 Essential Super 80

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.

### Benefits

- 40% less tube dimension than T8 fluorescent lamps. Reducing luminaire, stock and transportation cost
- Slim 16 mm tube allows more compact and flexible luminaire design
- Max lumen output at 35°C ambient temperature, more suitable to actual lighting situation
- Comfortable working and living ambiances with CRI more than 80
- Provides highly reliable and high quality lighting solution at low cost
- Creates atmospheres from warm white to cool daylight

### Features

- Small diameter of 16mm only
- "Cold Chamber" technology
- Applied with electronic ballast for TL5 only
- Operate at temperature from 5°C to 50°C

### Application

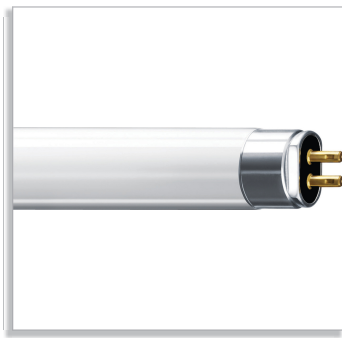
- Suitable for use at locations where need compact, high efficient, energy saving lighting. Including offices, shops, supermarkets, schools, hospitals and industrial lighting.

### System

- Work with electronic ballast for TL5 fluorescent lamps only. Philips electronic ballast is preferred.

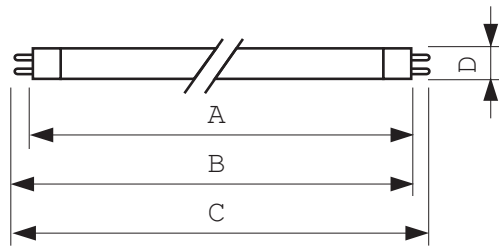
**PHILIPS**  
sense and simplicity

Related products



G5, T5

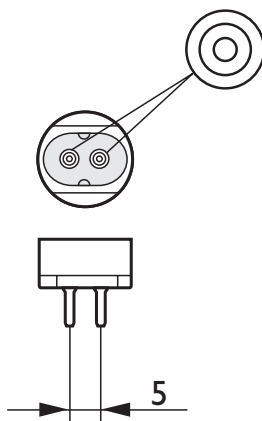
Dimensional drawing



G5, T5

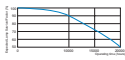
Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 ESS 14W/830	549.0	553.7	556.1	563.2	17.0
TL5 ESS 14W/840	549.0	553.7	556.1	563.2	17.0
TL5 ESS 14W/865	549.0	553.7	556.1	563.2	17.0
TL5 ESS 21W/830	849.0	853.7	856.1	863.2	17.0
TL5 ESS 21W/840	849.0	853.7	856.1	863.2	17.0
TL5 ESS 21W/865	849.0	853.7	856.1	863.2	17.0
TL5 ESS 28W/830	1149.0	1153.7	1156.1	1163.2	17.0
TL5 ESS 28W/840	1149.0	1153.7	1156.1	1163.2	17.0
TL5 ESS 28W/865	1149.0	1153.7	1156.1	1163.2	17.0

Installation diagrams

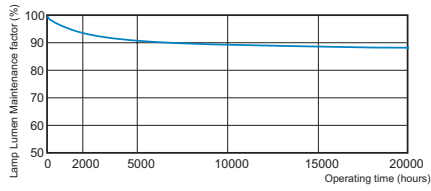


G5

Performance diagrams



TL5 Essential



TL5 Essential



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[www.philips.com/lighting](http://www.philips.com/lighting)

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