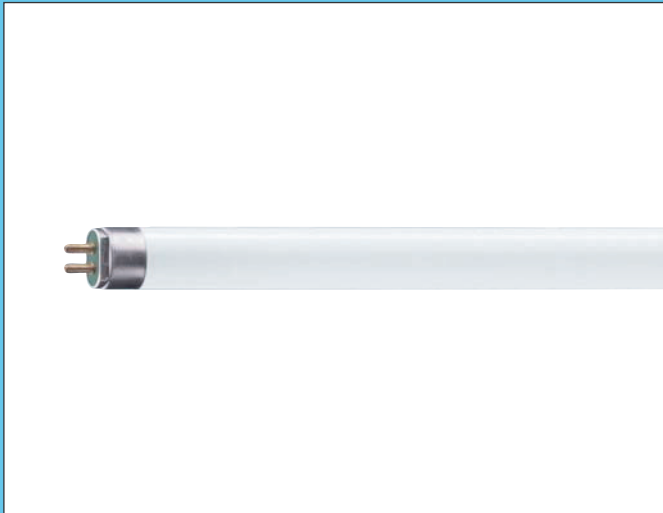


TL5

TL5 Essential Super 80



TL5

Product Description

- Philips TL5 Essential Super 80 are the new fluorescent lamps which provides Home Users and Professional End-users the aesthetic miniaturized lighting solution with high reliability at low prices

Product Feature

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

Product Benefit

- 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
- With CRI more than 80, building comfortable working and living ambiances
- Providing high reliable and high quality lighting solution at low cost
- Create atmospheres from warm white to cool daylight

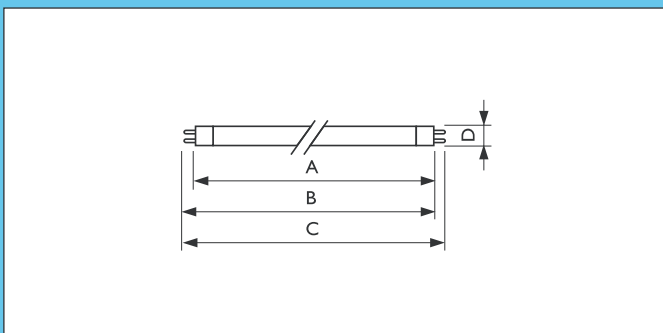
Application

- 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.

Dimensions in mm



Product ID	Overall length			Diameter
	A max.	B max.	C max.	D max.
14W	549.0	556.1	563.2	17
21W	849.0	856.1	863.2	17
28W	1149.0	1156.1	1163.2	17

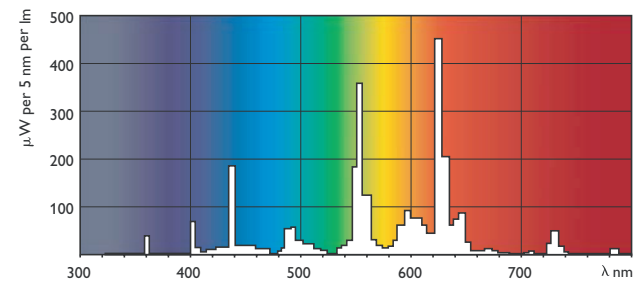
Preferred selection

Product ID	Rated Lamp Wattage [W]	Cap Base	Lamp Current EL [A]	Color Temperature [K]	Color Rendering Index [Ra]	Color Designation
TL5 ESS 14W/865 SLV	14	G5	0.170	6500	80	Cool Daylight
TL5 ESS 21W/865 SLV	21	G5	0.170	6500	80	Cool Daylight
TL5 ESS 28W/830 SLV	28	G5	0.170	3000	80	Warm White
TL5 ESS 28W/840 SLV	28	G5	0.170	4000	80	Cool White
TL5 ESS 28W/865 SLV	28	G5	0.170	6500	80	Cool Daylight

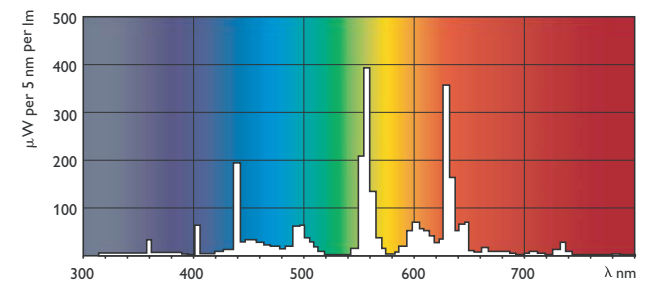
Product ID	Chromaticity Coordinate X	Chromaticity Coordinate Y	Luminous Flux Lamp EL [lm]	Lumen Maintenance 2000h [%]	Lumen Maintenance 5000h [%]	Life to 50% Failures Preheat EL [hrs]
TL5 ESS 14W/865 SLV	316	336	1160	90	85	10000
TL5 ESS 21W/865 SLV	313	336	1800	90	85	10000
TL5 ESS 28W/830 SLV	438	403	2670	90	85	10000
TL5 ESS 28W/840 SLV	381	379	2670	90	85	10000
TL5 ESS 28W/865 SLV	316	336	2480	90	85	10000

Spectral power distribution

TL5 /830



TL5 /840



Lumen maintenance diagram

