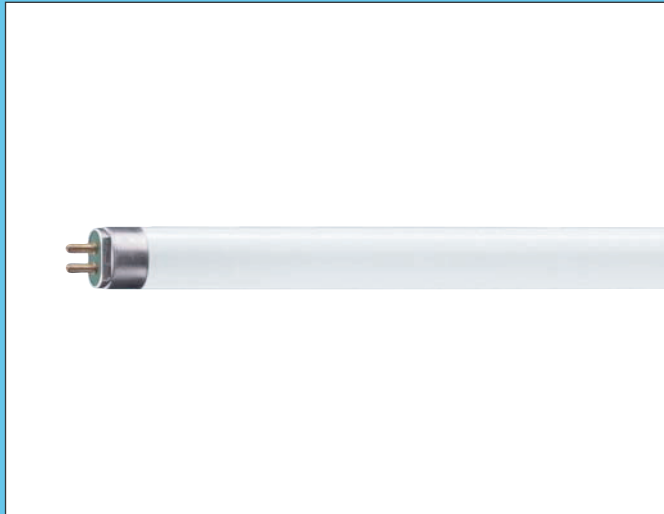
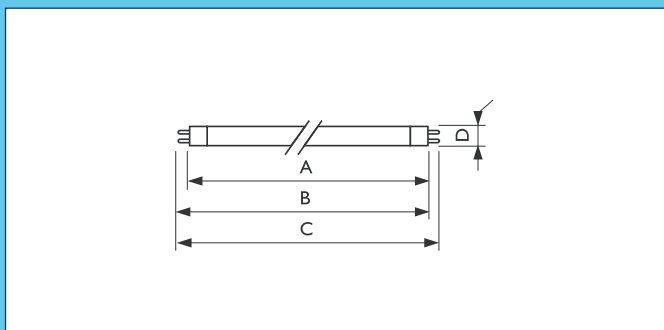


## TL5



TL5

Dimensions in mm



## MASTER TL5 High Efficiency Super 80

### Product Description

- Low-pressure mercury discharge lamps with a tubular 16 mm envelope

### Product Feature

- 40% thinner than TL-D lamps
- High lamp efficacies up to 104 lm/W
- Highly efficient 3-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear and well suited for dimming
- 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 -15° to +50°C
- Green end-plate indicates full recyclable lamp technology

### Product Benefit

- Allow system miniaturisation and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- Offers higher efficiencies and energy savings compared with TL-D lamps
- Virtually constant lumen level with excellent lumen maintenance
- Good color rendering

### Application

- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-effective lighting is required

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
35W	1449.0	1456.1	1463.2	17

Preferred selection

Product ID	Rated Lamp Wattage [W]	Cap Base	Color Temperature [K]	Color Rendering Index [Ra]	Color Designation
MASTER TL5 HE Super 80 14W/827 SLV	14	G5	2700	85	Incandescent White
MASTER TL5 HE Super 80 14W/830 SLV	14	G5	3000	85	Warm White
MASTER TL5 HE Super 80 14W/835 SLV	14	G5	3500	85	White
MASTER TL5 HE Super 80 14W/840 SLV	14	G5	4000	85	Cool White
MASTER TL5 HE Super 80 14W/865 SLV	14	G5	6500	85	Cool Daylight
MASTER TL5 HE Super 80 21W/827 SLV	21	G5	2700	85	Incandescent White
MASTER TL5 HE Super 80 21W/830 SLV	21	G5	3000	85	Warm White
MASTER TL5 HE Super 80 21W/840 SLV	21	G5	4000	85	Cool White
MASTER TL5 HE Super 80 21W/865 SLV	21	G5	6500	85	Cool Daylight
MASTER TL5 HE Super 80 28W/827 SLV	28	G5	2700	85	Incandescent White
MASTER TL5 HE Super 80 28W/830 SLV	28	G5	3000	85	Warm White
MASTER TL5 HE Super 80 28W/835 SLV	28	G5	3500	85	White
MASTER TL5 HE Super 80 28W/840 SLV	28	G5	4000	85	Cool White
MASTER TL5 HE Super 80 28W/840 SLV	28	G5	4000	85	Cool White
MASTER TL5 HE Super 80 28W/865 SLV	28	G5	6500	85	Cool Daylight
MASTER TL5 HE Super 80 28W/865 SLV	28	G5	6500	85	Cool Daylight
MASTER TL5 HE Super 80 35W/827 SLV	35	G5	2700	85	Incandescent White
MASTER TL5 HE Super 80 35W/830 SLV	35	G5	3000	85	Warm White
MASTER TL5 HE Super 80 35W/835 SLV	35	G5	3500	85	White
MASTER TL5 HE Super 80 35W/840 SLV	35	G5	4000	85	Cool White
MASTER TL5 HE Super 80 35W/865 SLV	35	G5	6500	85	Cool Daylight

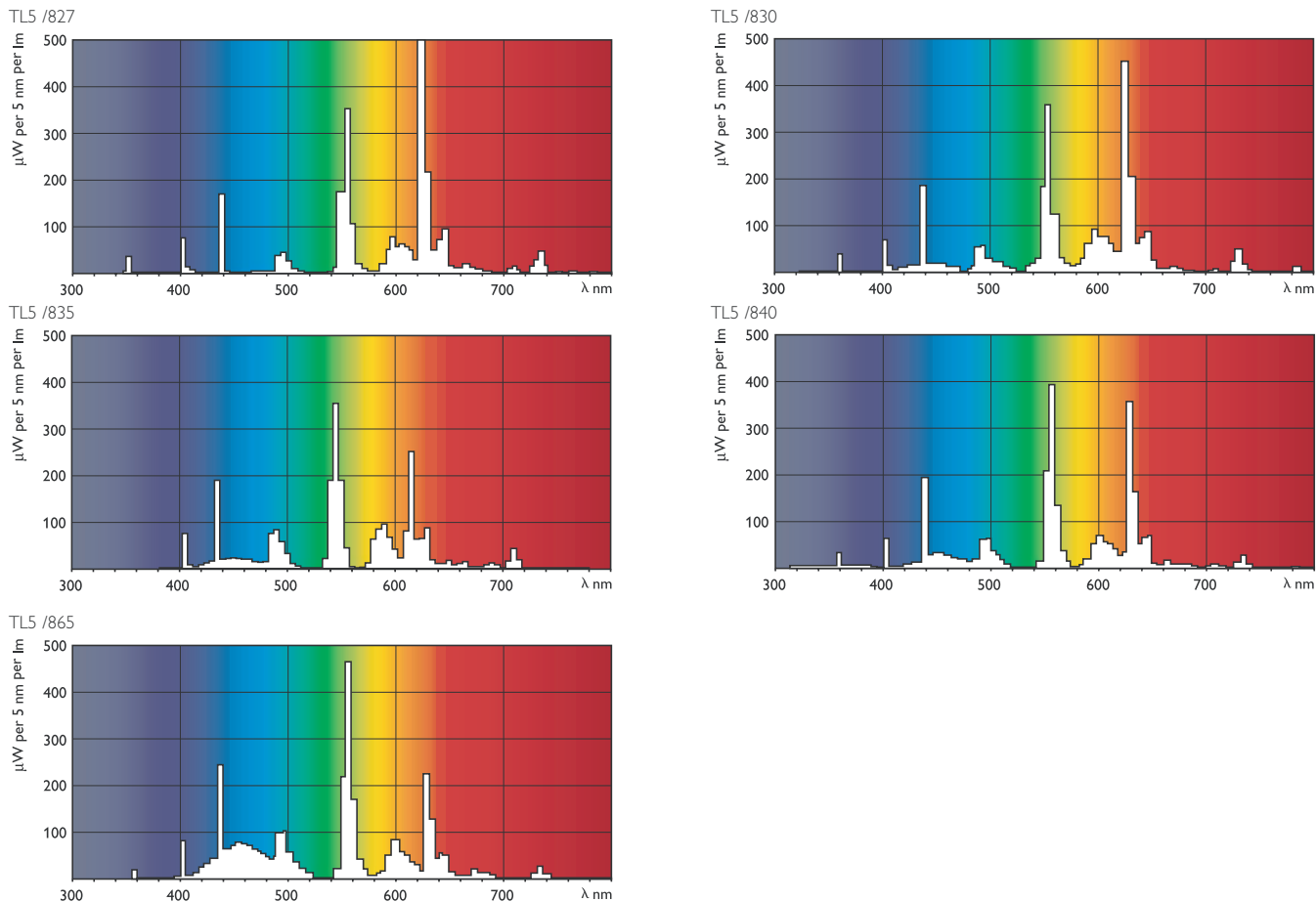
## TL5

## MASTER TL5 High Efficiency Super 80

## Preferred selection

Product ID	Chromaticity Coordinate X	Chromaticity Coordinate Y	Luminous Flux Lamp [lm]	Life to 50% Failures Preheat EL [hrs]	Nett Product in Grams [gr]
MASTER TL5 HE Super 80 14W/827 SLV	469	419	1350	24000	53.00
MASTER TL5 HE Super 80 14W/830 SLV	438	403	1350	24000	54.00
MASTER TL5 HE Super 80 14W/835 SLV	409	397	1350	24000	53.00
MASTER TL5 HE Super 80 14W/840 SLV	381	379	1350	24000	53.00
MASTER TL5 HE Super 80 14W/865 SLV	316	336	1250	24000	53.00
MASTER TL5 HE Super 80 21W/827 SLV	469	419	2100	24000	80.50
MASTER TL5 HE Super 80 21W/830 SLV	438	403	2100	24000	80.50
MASTER TL5 HE Super 80 21W/840 SLV	381	379	2100	24000	80.50
MASTER TL5 HE Super 80 21W/865 SLV	316	336	1950	24000	80.50
MASTER TL5 HE Super 80 28W/827 SLV	469	419	2900	24000	104.50
MASTER TL5 HE Super 80 28W/830 SLV	438	403	2900	24000	105.00
MASTER TL5 HE Super 80 28W/830 SLV	438	403	2900	24000	104.50
MASTER TL5 HE Super 80 28W/835 SLV	409	397	2900	24000	104.50
MASTER TL5 HE Super 80 28W/840 SLV	381	379	2900	24000	105.00
MASTER TL5 HE Super 80 28W/840 SLV	381	379	2900	24000	104.50
MASTER TL5 HE Super 80 28W/865 SLV	316	336	2700	24000	105.00
MASTER TL5 HE Super 80 28W/865 SLV	316	336	2700	24000	104.50
MASTER TL5 HE Super 80 35W/827 SLV	469	419	3650	24000	128.70
MASTER TL5 HE Super 80 35W/830 SLV	438	403	3650	24000	128.70
MASTER TL5 HE Super 80 35W/835 SLV	409	397	3650	24000	128.70
MASTER TL5 HE Super 80 35W/840 SLV	381	379	3650	24000	128.70
MASTER TL5 HE Super 80 35W/865 SLV	316	336	3400	24000	128.70

Spectral power distribution



Lumen maintenance diagram

