



# MASTER TL5 HE 35W/ 840 I SL

## Product family description

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

## Product Features

- 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 light output reached at approx. 35 °C in free-burning position if an electronic ballast without additional electrode heating is used
- Can be ignited from -15 to +50 °C

## Product Benefits

- Allows 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 colour rendering

## Environment

- Best environmental choice because of highest energy efficiency available for fluorescent lighting. Lowest CO<sub>2</sub> emission compared to any other comparable lightsource (40% less than a TL-D standard lamp, 26% less than TL-D 800). Products having the “Green Flagship” logo contain the lowest mercury content in the industry and are 100% lead free. Less material, packaging, weight, transport and recycling volume due to smallest product dimensions (only 16 mm diameter, 40% less compared with TL-D lamps)

**PHILIPS**

- This product range is RoHS compliant
- This product range is covered by WEEE

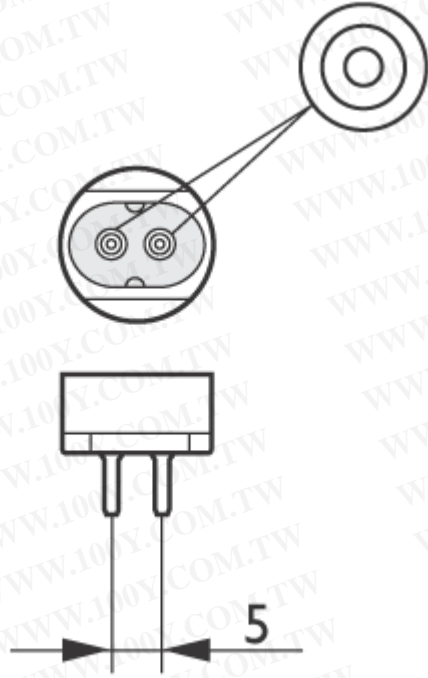
### Application

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

Product data	
Order code	639523 55
Full product code	871150063952355
loccod	
Full product name	MASTER TL5 HE 35W/840 ISL
Order product name	MASTER TL5 HE 35W/840 ISL/40
Packing type	I Sleeve Open End
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500639523
Bar code on intermediate packing - EAN2	
Bar code on outerbox - EAN3	8711500867681
Logistic code(s) - I2NC	9279 270 84055
ILCOS code	FDH-35/40/1B-L/P-G5-16/1450
Net weight per piece	128.700 GR
Successor order code	
System Description	High Efficiency
Cap-Base	G5
Bulb	T5 [16 mm]
Life to 50% fail Preheat EL,3h	24000 hr
Life to 10% fail Preheat EL,3h	19000 hr
Lamp Wattage	35W
Lamp Wattage EL 25°C	35 W
Lamp Voltage EL 25°C	208 V
Lamp Current EL 25°C	0.170 A
Dimmable	yes
Lamp Wattage EL 35°C	34.7 W
Lamp Current EL 35°C	0.170 A
Lamp Voltage EL 35°C	209 V
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg
Colour Code	840 [CCT of 4000K]
Colour Rendering Index	85 Ra8
Colour Designation	Cool White
Colour Temperature	4000 K
Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	379 -
Lamp Luminous Flux 25°C EL	3300 Lm
Luminous Efficacy EL Top, 35°C	105 Lm/W
Lumen Maintenance 2000h	96 %
Lumen Maintenance 5000h	94 %
Lumen Maintenance 10000h	92 %
Lumen Maintenance 15000h	90 %
Luminous Flux Lamp EL 35°C	3650 Lm
Luminance Average EL 25°C	1.5 cd/cm2

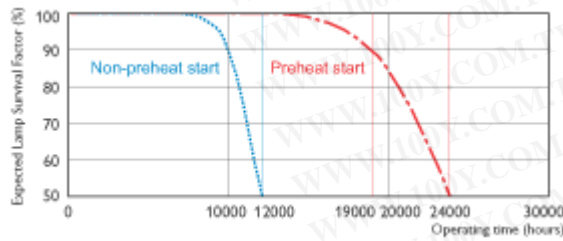


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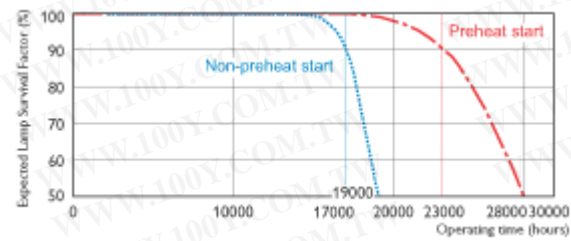
asimpleswitch.com

Cap-Base G5



Life Expectancy 3h cycle

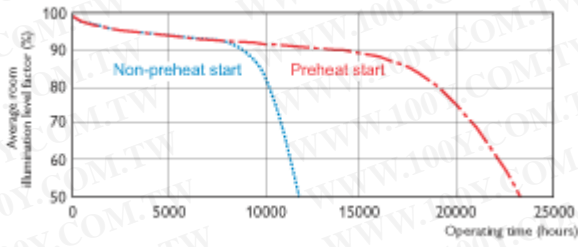
MASTER TL5 HE



Life Expectancy 12h cycle

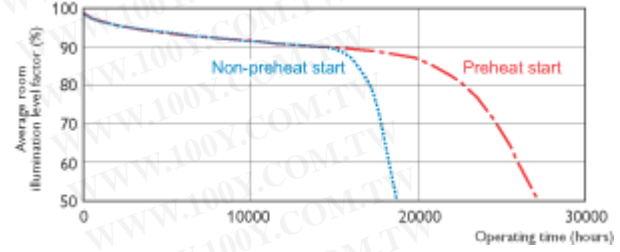
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**PHILIPS**



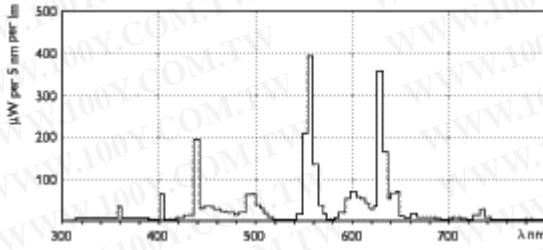
Service Life 3h cycle

**MASTER TL5 HE**



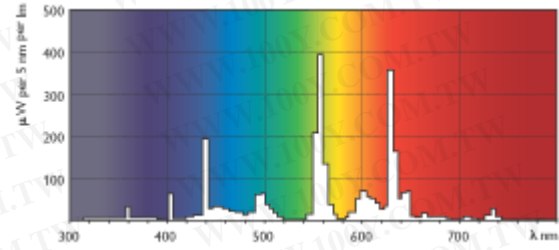
Service Life 12h cycle

**MASTER TL5 HE**



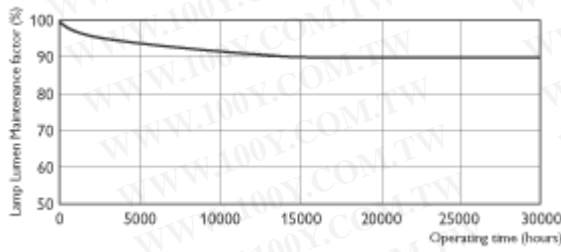
Lightcolour /840

**MASTER TL5 HE/840**



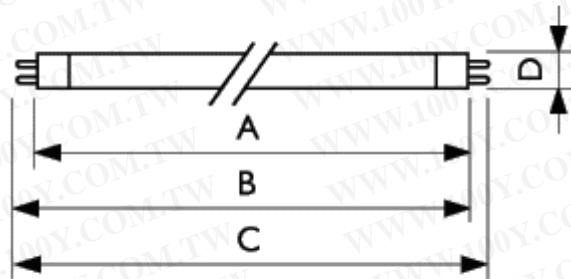
Lightcolour /840

**MASTER TL5 HE/840**



**MASTER TL5 HE**





**MASTER TL5 HE**

	A	A	B	B	B	B
Full product name	Max	Max	Min	Min	Max	Max
MASTER TL5 HE 35W/840 ISL	1449.0	1449.0	1453.7	1453.7	1456.1	1456.1

	C	C	D	D
Full product name	Max	Max	Max	Max
MASTER TL5 HE 35W/840 ISL	1463.2	1463.2	17	17



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