

**PHILIPS**

Lighting

**DIRECTA**

# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/830 1SL/40

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

### Product data

General Information	
Cap base	G5 [ G5]
Life to 50% failures preheat (nom.)	24000 h
Features	na [ Not Applicable]
System description	High Efficiency
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	97 %
LSF Preheat 20000 h Rated	84 %
Light Technical	
Colour code	830 [ CCT of 3,000 K]
Luminous flux (nom.)	2900 lm
Luminous flux (rated) (nom.)	2675 lm
Colour designation	Warm white (WW)
Luminous efficacy (@ max. lumen, rated) (nom.)	104 lm/W
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	96 lm/W
Color rendering index (max.)	85
Color rendering index (min.)	80
Color rendering index (nom.)	>80

LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

### Operating and Electrical

Power (Rated) (Nom)	27.9 W
Lamp current (nom.)	0.170 A

### Temperature

Design temperature (nom.)	35 °C
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### Controls and Dimming

Dimmable	yes
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### Mechanical and Housing

Cap base information	Green Plate
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### Approval and Application

Energy efficiency label (EEL)	A+
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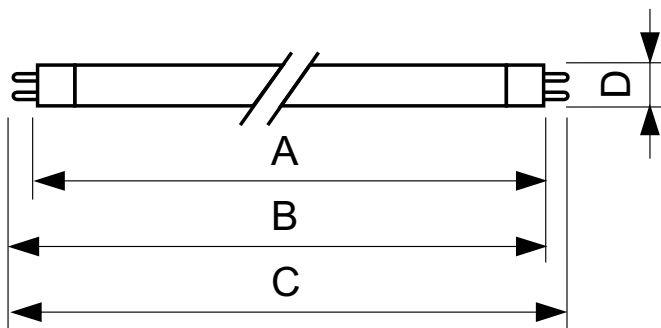
# MASTER TL5 High Efficiency

Mercury (Hg) content (nom.)	1.4 mg
Energy Consumption kWh/1000 h	31 kWh
<b>Product Data</b>	
Full product code	871150063946255
Order product name	MASTER TL5 HE 28W/830 SLV/40
EAN/UPC – product	8711500639462
Order code	63946255

Local Code	28830
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927926583055
Net weight (piece)	104.500 g
ILCOS Code	FDH-28/30/1B-L/P-G5-16/1150

## Warnings and Safety

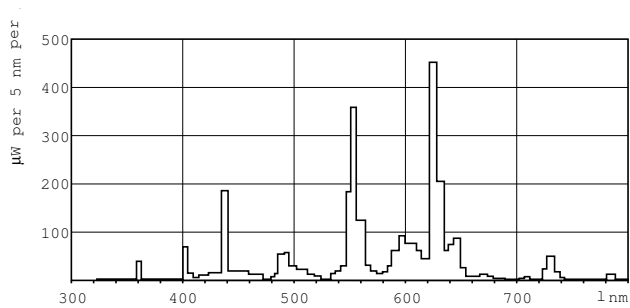
### Dimensional drawing



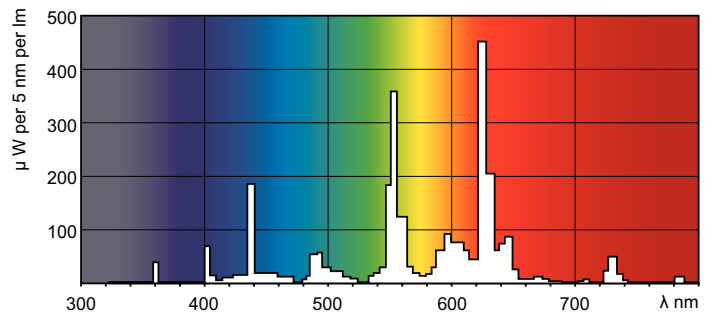
TL5 28W/830/GP HE

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/830 SLV/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

### Photometric data



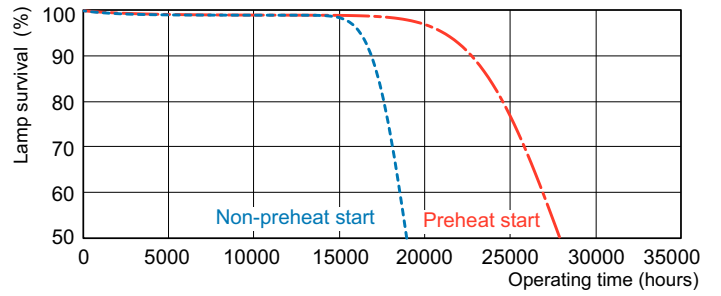
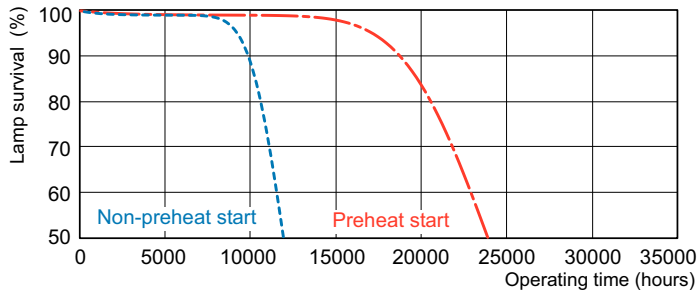
Lightcolour /830



Lightcolour /830

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## Lifetime



LDLE\_TL5-HE8\_0002-Life expectancy diagram

