



# TL5 Essential HE Super 80

## TL5 Essential 28W/830 1SL/40

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturised lighting solution with high reliability at low price.

### Warnings and Safety

• 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

### Product data

General information		Colour Rendering Index,horiz (Max)	
Cap base	G5 [ G5]	Colour Rendering Index,horiz (Min)	80
Life to 50% failures preheat (nom.)	20000 h	Colour Rendering Index,horiz (Nom)	82
LSF preheat 2,000 hours rated	98 %	LLMF 2000 h Rated	94 %
LSF preheat 4,000 hours rated	97 %	LLMF 4000 h Rated	92 %
LSF preheat 6,000 hours rated	95 %	LLMF 6000 h Rated	91 %
LSF preheat 8,000 hours rated	93 %	LLMF 8000 h Rated	90 %
LSF preheat 16,000 hours rated	70 %	LLMF 12000 h Rated	88 %
LSF preheat 20,000 hours rated	50 %	LLMF 16000 h Rated	87 %
		LLMF 20000 h Rated	86 %
Light technical		Operating and electrical	
Colour Code	830 [ CCT of 3,000 K]	Technical Lamp Power (Nom)	27.8 W
Lamp Luminous Flux 25°C EL (Nom)	2900 lm	Lamp current (nom.)	0.170 A
Lamp Luminous Flux (Nom)	2600 lm		
Colour Designation	Warm white (WW)	Temperature	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W	Design temperature (nom.)	30 °C
Colour Temperature, horizontal (Nom)	3000 K		
Lamp Luminous Efficacy EM (Nom)	94 lm/W		

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## Controls and dimming

Dimmable	No
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## Mechanical and housing

Bulb shape	T5 [ 16 mm (T5)]
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## Approval and application

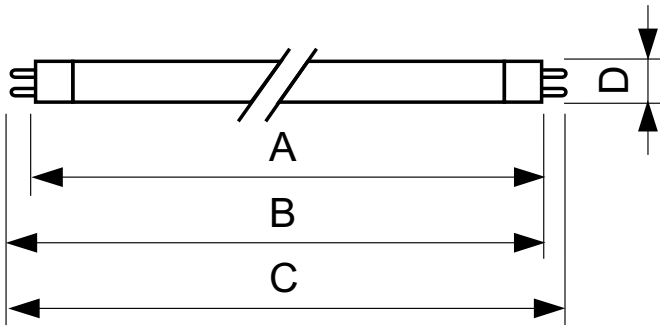
Mercury (Hg) content (nom.)	2.0 mg
Energy consumption kWh/1,000 hours	31 kWh

## Product data

Full product code	871150057043755
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Order product name	TL5 Essential 28W/830 1SL/40
EAN/UPC – product	8711500570437
Order code	927926783058
SAP numerator – quantity per pack	1
Local code description	TL5 ESSENTIAL 28W/830 1SL/40
Numerator – packs per outer box	40
SAP material	927926783058
Net Weight (Piece)	88.500 g

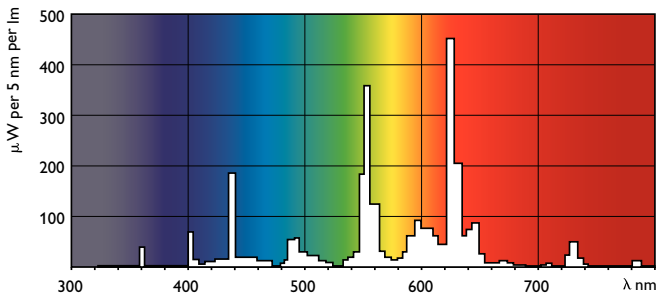
## Dimensional drawing



TL5 Essential 28W/830 1SL/40

Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 28W/830 1SL/40	17.0 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

## Photometric data



LDPO\_TL5ESS8\_ESS\_830-Spectral power distribution Colour

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