



TL5 Essential HE Super 80

TL5 Essential 14W/840 1SL/40

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturized 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)	85
Life to 50% failures preheat (nom.)	20000 h	Colour Rendering Index,horiz (Nom)	80
LSF preheat 2,000 hours rated	98 %	LLMF 2000 h Rated	82
LSF preheat 4,000 hours rated	97 %	LLMF 4000 h Rated	94 %
LSF preheat 6,000 hours rated	95 %	LLMF 6000 h Rated	92 %
LSF preheat 8,000 hours rated	93 %	LLMF 8000 h Rated	91 %
LSF preheat 16,000 hours rated	70 %	LLMF 12000 h Rated	90 %
LSF preheat 20,000 hours rated	50 %	LLMF 16000 h Rated	88 %
		LLMF 20000 h Rated	87 %
			86 %
Light technical		Operating and electrical	
Colour Code	840 [CCT of 4,000 K]	Power (Rated) (Nom)	14.3 W
Lamp Luminous Flux 25°C EL (Nom)	1350 lm	Lamp current (nom.)	0.170 A
Lamp Luminous Flux (Nom)	1260 lm		
Colour Designation	Cool White (CW)	Temperature	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	96 lm/W	Design temperature (nom.)	30 °C
Colour Temperature, horizontal (Nom)	4000 K		
Lamp Luminous Efficacy EM (Nom)	88 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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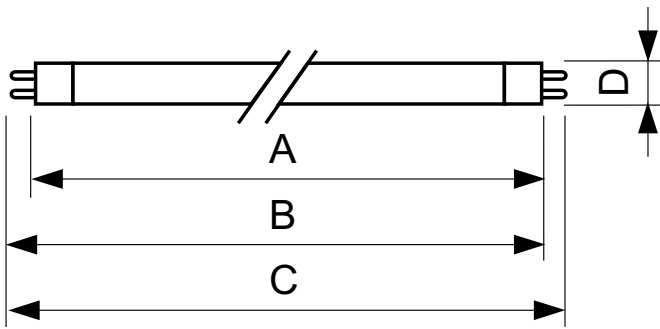
Approval and application

Mercury (Hg) content (nom.)	2.0 mg
Energy consumption kWh/1,000 hours	15 kWh

Product data

Full product code	871150057033855
Order product name	TL5 Essential 14W/840 1SL/40
EAN/UPC – product	8711500570338
Order code	927925984058
SAP numerator – quantity per pack	1
Numerator – packs per outer box	40
SAP material	927925984058

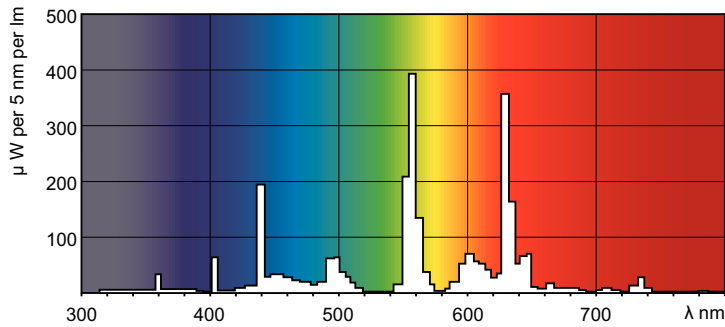
Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 14W/840 1SL/40	17.0 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

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Photometric data



LDPO_TL5ESS8_ESS_840-Spectral power distribution Colour

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