



TL5 Essential HE Super 80

TL5 Essential 21W/830 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	
Cap base	G5 [G5]
Life to 50% failures preheat (nom.)	20000 h
LSF preheat 2,000 hours rated	98 %
LSF preheat 4,000 hours rated	97 %
LSF preheat 6,000 hours rated	95 %
LSF preheat 8,000 hours rated	93 %
LSF preheat 16,000 hours rated	70 %
LSF preheat 20,000 hours rated	50 %
Light Technical	
Colour Code	830 [CCT of 3,000 K]
Lamp Luminous Flux 25°C EL (Nom)	2100 lm
Lamp Luminous Flux (Nom)	1950 lm
Colour Designation	Warm white (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Colour Temperature, horizontal (Nom)	3000 K
Lamp Luminous Efficacy EM (Nom)	94 lm/W

Colour Rendering Index,horiz (Max)	85
Colour Rendering Index,horiz (Min)	80
Colour Rendering Index,horiz (Nom)	82
LLMF 2000 h Rated	94 %
LLMF 4000 h Rated	92 %
LLMF 6000 h Rated	91 %
LLMF 8000 h Rated	90 %
LLMF 12000 h Rated	88 %
LLMF 16000 h Rated	87 %
LLMF 20000 h Rated	86 %
Operating and Electrical	
Power (Rated) (Nom)	20.8 W
Lamp current (nom.)	0.170 A
Temperature	
Design temperature (nom.)	30 °C

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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

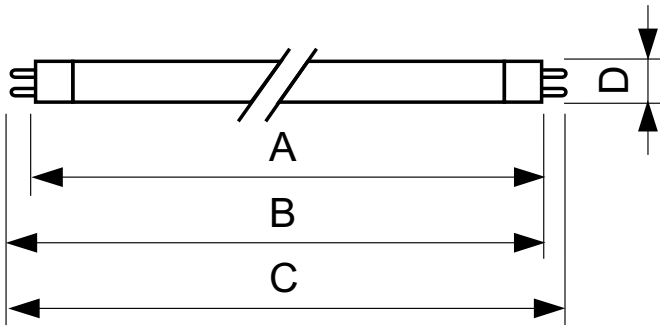
Mercury (Hg) content (nom.)	2.0 mg
Energy consumption kWh/1,000 hours	23 kWh

Product Data

Full product code	871150057037655
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Order product name	TL5 Essential 21W/830 1SL/40
EAN/UPC – product	8711500570376
Order code	927926483058
SAP numerator – quantity per pack	1
Numerator – packs per outer box	40
SAP material	927926483058
SAP net weight (piece)	69.500 g

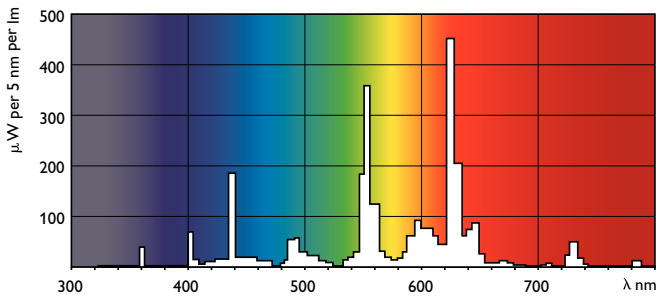
Dimensional drawing



TL5 ESS 21W/830

Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 21W/830 1SL/40	17.0 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm

Photometric data



LDPO_TL5ESS8_ESS_830-Spectral power distribution Colour

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