



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 miniaturized lighting solution with high reliability at low price.

Product data

General Information	
Cap base	G5 [G5]
Life to 50% failures preheat (nom.)	20000 h
LSF Preheat 2000 h Rated	98 %
LSF Preheat 4000 h Rated	97 %
LSF Preheat 6000 h Rated	95 %
LSF Preheat 8000 h Rated	93 %
LSF Preheat 16000 h Rated	70 %
LSF Preheat 20000 h Rated	50 %
Light Technical	
Colour code	830 [CCT of 3,000 K]
Luminous flux (nom.)	2900 lm
Luminous flux (rated) (nom.)	2600 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.)	94 lm/W
Color rendering index (max.)	85
Color rendering index (min.)	80
Color rendering index (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)	27.8 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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Approval and Application

Energy efficiency label (EEL)	A
Mercury (Hg) content (nom.)	2.0 mg

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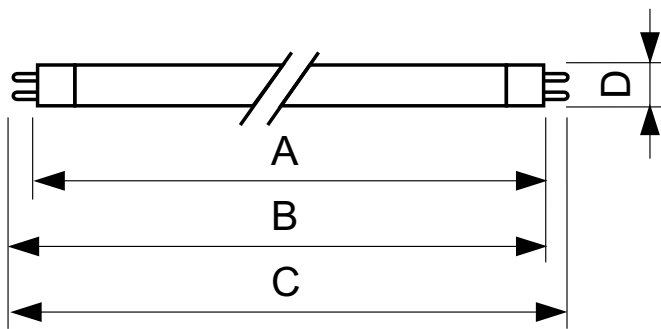
Energy Consumption kWh/1000 h	31 kWh
Product Data	
Full product code	871150057043755
Order product name	TL5 Essential 28W/830 1SL/40
EAN/UPC – product	8711500570437
Order code	57043755

Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927926783058
Net weight (piece)	88.500 g

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.

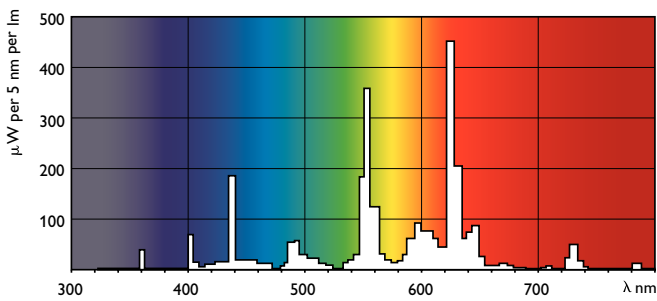
Dimensional drawing



TL5 ESS 28W/830

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



Lightcolour /830

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www.lighting.philips.com

2018, December 10 - data subject to change