



TL5 Essential HE Super 80

TL5 Essential 14W/830 1SL

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 Characteristics

Cap-Base	G5
Bulb	T5 [16 mm]
Life to 10% fail	10000 hr
Preheat EL,3h	
Life to 50% fail	20000 hr
Preheat EL,3h	
LSF HF Preheat	98 %
2000h Rated,3h	
LSF HF Preheat	97 %
4000h Rated,3h	
LSF HF Preheat	95 %
6000h Rated,3h	
LSF HF Preheat	93 %
8000h Rated,3h	
LSF HF Preheat	84 %
12000h Rated,3h	
LSF HF Preheat	70 %
16000h Rated,3h	
LSF HF Preheat	50 %
20000h Rated,3h	

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux EL 25°C, Rated	1260 Lm
Luminous Flux EL 25°C, Nominal	1260 Lm
Luminous Flux Lamp EL 35°C	1350 Lm

Lum Efficacy Rated HF 25°C	88 Lm/W
Lum Efficacy Rated HF 35°C	96 Lm/W
Luminance Average EL 25°C	1.5 cd/cm ²
LLMF HF 2000h Rated	94 %
LLMF HF 4000h Rated	92 %
LLMF HF 6000h Rated	91 %
LLMF HF 8000h Rated	90 %
LLMF HF 12000h Rated	88 %
LLMF HF 16000h Rated	87 %
LLMF HF 20000h Rated	86 %
Design Temperature	30 C
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -

• Electrical Characteristics

Lamp Wattage	14 W
Lamp Wattage EL 25°C, Rated	14.3 W
Lamp Wattage EL 25°C, Nominal	14 W
Lamp Wattage EL 35°C	14.1 W
Lamp Voltage EL 25°C	83 V

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TL5 Essential HE Super 80

Lamp Voltage EL 35°C	82 V
Lamp Current EL 25°C	0.170 A
Lamp Current EL 35°C	0.170 A
Dimmable	No

Insertion Length B	553.7 (min), 556.1 (max) mm
Overall Length C	563.2 (max) mm
Diameter D	17.0 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	2.0 mg

• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	167 V
Resistor	500 ohm

• Product Dimensions

Base Face to Base Face A	549.0 (max) mm
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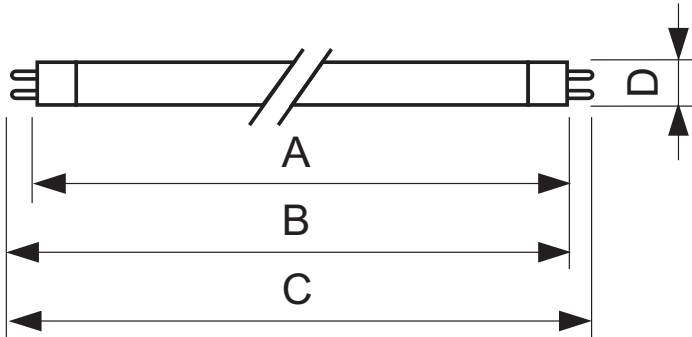
• Product Data

Order code	927925983058
Full product code	927925983058
Full product name	TL5 Essential 14W/830 1SL
Order product name	TL5 Essential 14W/830 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500570314
Bar code on outerbox - EAN3	8711500570321
Logistic code(s) - 12NC	927925983058
Net weight per piece	0.050 kg

Warnings and Safety

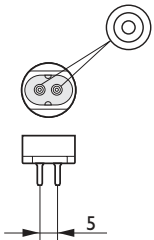
- 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

Dimensional drawing



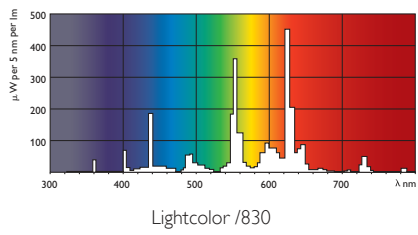
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 ESS 14W/830	549.0	553.7	556.1	563.2	17.0



G5

Photometric data



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www.philips.com/lighting

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data subject to change