

MASTER TL5 High Output Eco

MASTER TL5 HO Eco 20=24W/840 UNP/40

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HO Eco lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and colour rendering. Application areas vary from offices and industry to schools and retail environments.

Product data

• General Information

Cap base	G5 [G5]
Bulb shape	T5 [16 mm (T5)]
Life to 50% failures preheat (nom.)	30000 h
Features	na [Not Applicable]
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %

• Light Technical

Luminous flux (nom.)	1950 lm
Luminous flux (rated) (nom.)	1650 lm
Colour designation	Cool White (CW)
Luminous efficacy (@ max. lumen, rated) (nom.)	99 lm/W
Chromaticity coordinate X (nom.)	380
Chromaticity coordinate Y (nom.)	380
Correlated colour temperature (nom.)	4100 K
Luminous efficacy (rated) (nom.)	85 lm/W
Color rendering index (max.)	85
Color rendering index (min.)	80
Color rendering index (nom.)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

• Operating and Electrical

Power (Rated) (Nom)	19.5 W
Lamp current (nom.)	0.300 A

• Temperature

Design temperature (nom.)	35 °C

• Controls and Dimming

Dimmable	yes

• Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	1.4 mg
Energy Consumption kWh/1000 h	22 kWh

PHILIPS

MASTER TL5 High Output Eco

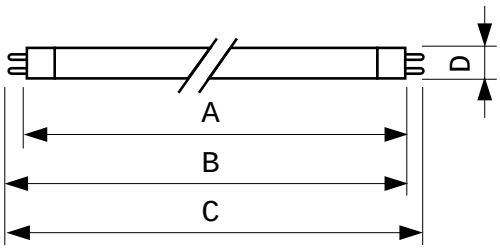
- Product Data

Full product code	872790088086100
Order product name	MASTER TL5 HO Eco 20=24W/840 UNP/40
EAN/UPC – product	8711500881311
Order code	88086100
Local Code	20840TL5ECO
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927989984031
Net weight (piece)	53.000 g
ILCOS Code	FDH-20/40/1B-L/P-G5-16/550

Warnings and Safety

- A reduction in energy consumption is only achieved with current-controlled gear.
- The lamps operate perfectly with power-controlled gear, but in that case the light output can be up to 10% higher.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

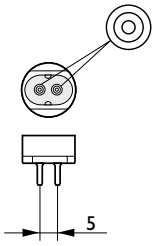
Dimensional drawing



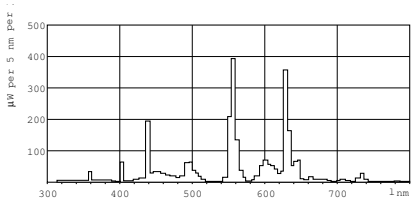
TL5 HO Eco 20=24W/840

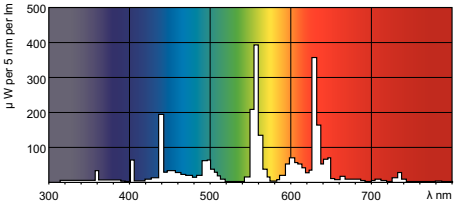
Product	D	A	B	B	C
MASTER TL5 HO Eco 20=24W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

G5, T5



Photometric data





© 2015 Philips Lighting Holding B.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2015, December 28
data subject to change