



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]
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	
Colour code	840 [CCT of 4,000 K]
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
Correlated Colour Temperature (Nom)	4000 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

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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

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) 52.000 g

ILCOS Code FDH-20/40/1B-L/P-G5-16/550

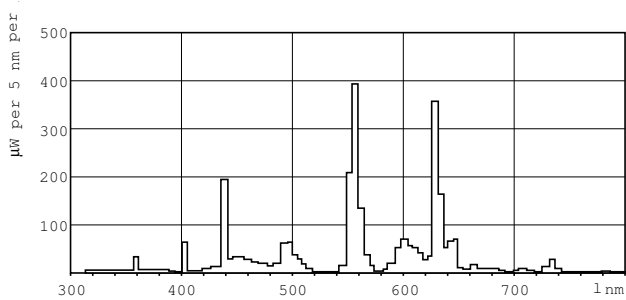
Warnings and Safety

Dimensional drawing

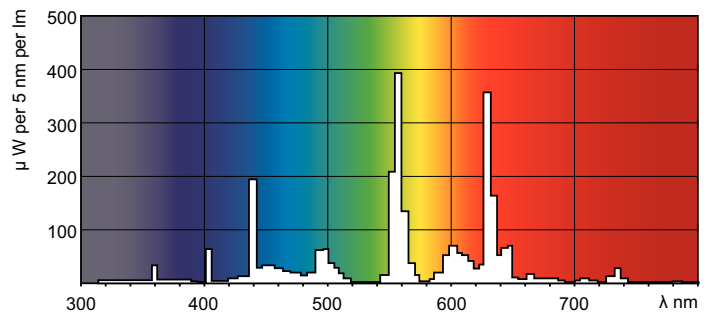
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco 20=24W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

TL5 HO Eco 20=24W/840

Photometric data



Lightcolour /840



Lightcolour /840

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Lifetime



LDLE_TL5ECO_0001-Life expectancy diagram

LDLE_TL5ECO_0002-Life expectancy diagram



LDLM_TL5ECO_0001-Lumen maintenance diagram

