



MASTER TL5 High Output

MASTER TL5 HO 24W/840 1SL

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

Product data

• General Characteristics

System Description	High Output
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 10% fail	21000 hr
Preheat EL,3h	
Life to 50% fail	30000 hr
Preheat EL,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	97 %
16000h Rated,3h	
LSF HF Preheat	84 %
20000h Rated,3h	

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL	1700 Lm
25°C, Rated	
Luminous Flux EL	1700 Lm
25°C, Nominal	

Luminous Flux Lamp	1950 Lm
EL 35°C	
Lum Efficacy Rated	76 Lm/W
HF 25°C	
Lum Efficacy Rated	87 Lm/W
HF 35°C	
LLMF HF 2000h	96 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 20000h	90 %
Rated	
Design Temperature	35 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

• Electrical Characteristics

Lamp Wattage	24 W
Lamp Wattage EL	22.5 W
25°C, Rated	
Lamp Wattage EL	24.0 W
25°C, Nominal	
Lamp Wattage EL	22.5 W
35°C	
Lamp Voltage EL	77 V
25°C	



MASTER TL5 High Output

Lamp Voltage EL 35°C	75 V
Lamp Current EL 25°C	0.295 A
Lamp Current EL 35°C	0.300 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	25 kWh

• Measuring Conditions

Calibration Current	0.300 A
HF Generator Rated Voltage	150 V
Resistor	250 ohm

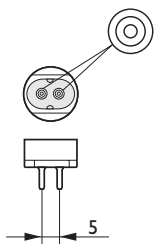
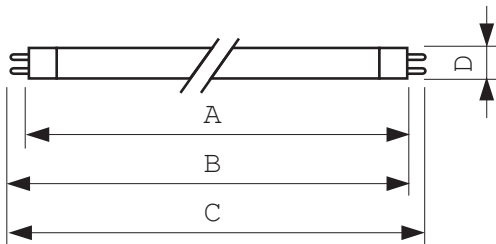
• Product Dimensions

Base Face to Base Face A	549.0 (max) mm
Insertion Length B	553.7 (min), 556.1 (max) mm
Overall Length C	563.2 (max) mm
Diameter D	17 (max) mm

• Product Data

Order code	927928084055
Full product code	927928084055
Full product name	MASTER TL5 HO 24W/840 1SL
Order product name	MASTER TL5 HO 24W/840 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500639608
Bar code on outerbox - EAN3	8711500867841
Logistic code(s) - 12NC	927928084055
ILCOS code	FDH-24/40/1B-L/P-G5-16/550
Net weight per piece	54.000 gr

Dimensional drawing



G5

MASTER TL5 HO 24W/840 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO 24W/840	549.0	553.7	556.1	563.2	17

Photometric data



© 2015 Koninklijke Philips N.V. (Royal Philips)
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, February 23
data subject to change