



# MASTER TL5 High Efficiency

## MASTER TL5 HE 14W/840 1SL

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

### Product data

#### • General Characteristics

System Description	High Efficiency
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 50% fail	24000 hr
Preheat EL,3h	
Life to 10% fail	19000 hr
Preheat EL,3h	
LSF HF Preheat	84 %
20000h Rated,3h	
LSF HF Preheat	97 %
16000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

#### • Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering	85 Ra8
Index	
Color Designation	Cool White
(text)	
Color Temperature	4000 K
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

Luminous Flux Lamp	1350 Lm
EL 35°C	
Lum Efficacy Rated	89 Lm/W
HF 25°C	
Lum Efficacy Rated	99 Lm/W
HF 35°C	
LLMF HF 20000h	90 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 2000h	96 %
Rated	
Luminous Flux EL	1250 Lm
25°C, Rated	
Luminous Flux EL	1250 Lm
25°C, Nominal	
Design Temperature	35 C

#### • Electrical Characteristics

Lamp Wattage	14 W
Lamp Voltage EL	86 V
25°C	
Lamp Current EL	0.165 A
25°C	
Dimmable	Yes
Lamp Wattage EL	13.7 W
35°C	



# MASTER TL5 High Efficiency

Lamp Current EL 35°C	0.170 A
Lamp Voltage EL 35°C	82 V
Lamp Wattage EL 25°C, Rated	14.0 W
Lamp Wattage EL 25°C, Nominal	14 W

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

## • Measuring Conditions

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

## • Product Dimensions

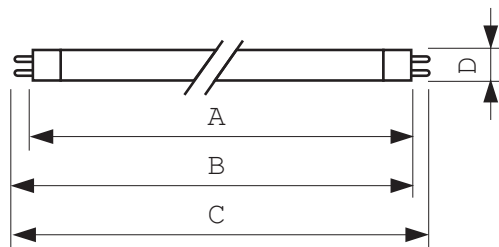
Base Face to Base Face A	549.0 (max) mm
-----------------------------	----------------

Insertion Length B	553.7 (min), 556.1 (max) mm
Overall Length C	563.2 (max) mm
Diameter D	17 (max) mm

## • Product Data

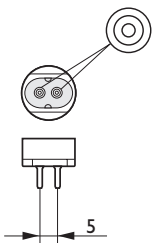
Order code	927926084055
Full product code	927926084055
Full product name	MASTER TL5 HE 14W/840 1SL
Order product name	MASTER TL5 HE 14W/840 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500639400
Bar code on outerbox - EAN3	8711500867483
Logistic code(s) - 12NC	927926084055
ILCOS code	FDH-14/40/1B-L/P-G5-16/550
Net weight per piece	40.730 gr

## Dimensional drawing



## G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 14W/840/GP HE	549.0	553.7	556.1	563.2	17



G5

## Photometric data



© 2012 Koninklijke Philips Electronics N.V.  
All rights reserved.

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

[www.philips.com/lighting](http://www.philips.com/lighting)

2012, July 24  
data subject to change