



# MASTER TL5 High Output 90 De Luxe

MASTER TL5 HO 90 De Luxe 54W/940 1SL

This TL5 High Output lamp (tube diameter 16 mm) has excellent color rendering (CRI > 90). This means that colors are presented in a natural way, making them appear rich, deep and enhanced as they do in daylight. Application areas are places where color rendering is key, e.g. the printing industry, libraries, museums, hospitals and shops (jewelry, flowers, clothing, textile, leather, carpets).

## Product data

### • General Characteristics

Cap-Base	G5
Bulb	T5 [16 mm]
Life to 10% fail	19000 hr
Preheat EL,3h	
Life to 50% fail	24000 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	940 [CCT of 4000K]
Color Rendering Index	91 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL 25°C, Rated	3800 Lm
Luminous Flux EL 25°C, Nominal	3800 Lm
Luminous Flux Lamp EL 35°C	4300 Lm

Lum Efficacy Rated HF 25°C	70 Lm/W
Lum Efficacy Rated HF 35°C	80 Lm/W
Luminous Efficacy EL Top, 35°C	80 Lm/W
Luminance Average EL Top, 35°C	2.5 cd/cm2
Luminance Average EL 25°C	2.2 cd/cm2
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	379 -

### • Electrical Characteristics

Lamp Wattage	54 W
Lamp Wattage EL 25°C, Rated	54.3 W
Lamp Wattage EL 25°C, Nominal	54 W



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Lamp Wattage EL 35°C	54 W
Lamp Voltage EL 25°C	118 V
Lamp Voltage EL 35°C	118 V
Lamp Current EL 25°C	0.460 A
Lamp Current EL 35°C	0.460 A
Dimmable	Yes

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	59 kWh

## • Measuring Conditions

Calibration Current	0.460 A
HF Generator Rated Voltage	235 V
Resistor	255 ohm

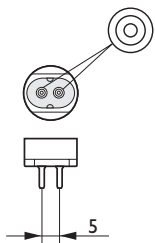
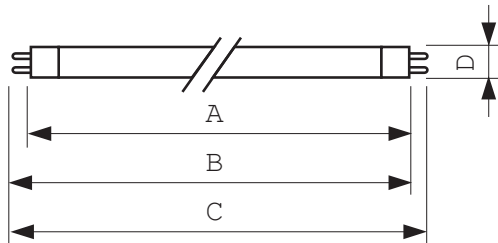
## • Product Dimensions

Base Face to Base Face A	1149.0 (max) mm
Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

## • Product Data

Order code	927993094024
Full product code	927993094024
Full product name	MASTER TL5 HO 90 De Luxe 54W/940 1SL
Order product name	MASTER TL5 HO 90 De Luxe 54W/940 1SL/20
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8711500869050
Bar code on outerbox - EAN3	8727900895261
Logistic code(s) - 12NC	927993094024
ILCOS code	FDH-54/40/1A-L/P-G5-16/1150
Net weight per piece	104.500 gr

## Dimensional drawing

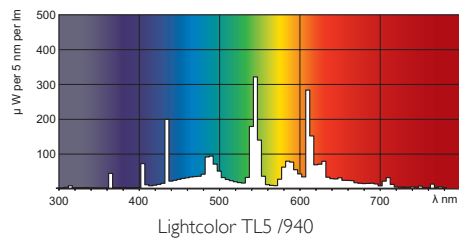
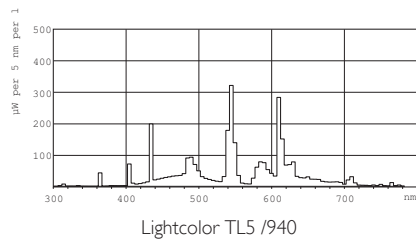


G5

## MASTER TL5 HO 90 De Luxe 54W/940 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO 54W/940	1149.0	1153.7	1156.1	1163.2	17

## Photometric data



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2013, October 9  
data subject to change