



# MASTER TL5 High Output 90 De Luxe

## MASTER TL5 HO 90 De Luxe 24W/940 1SL20

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).

### Warnings and Safety

- 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.

### Product data

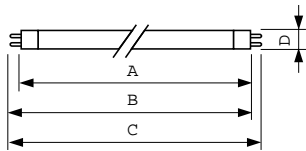
General Information		Luminous Efficacy (@ Max Lumen, Rated) (Nom)	
Cap-Base	G5 [ G5]	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	78 lm/W
Life to 50% Failures Preheat (Nom)	30000 h	Chromaticity Coordinate X (Nom)	380
LSF Preheat 2000 h Rated	99 %	Chromaticity Coordinate Y (Nom)	380
LSF Preheat 4000 h Rated	99 %	Correlated Color Temperature (Nom)	4000 K
LSF Preheat 6000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	68 lm/W
LSF Preheat 8000 h Rated	99 %	Color Rendering Index (Nom)	91
LSF Preheat 16000 h Rated	97 %	LLMF 2000 h Rated	96 %
LSF Preheat 20000 h Rated	84 %	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 %
Light Technical			
Color Code	940 [ CCT of 4000K]		
Luminous Flux (Nom)	1750 lm		
Luminous Flux (Rated) (Nom)	1525 lm		
Color Designation	Cool White (CW)		

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Operating and Electrical	
Power (Nom)	22.5 W
Lamp Current (Nom)	0.295 A
Temperature	
Design Temperature (Nom)	35 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T5 [ 16 mm (T5)]
Approval and Application	
Mercury (Hg) Content (Nom)	1.4 mg

Energy Consumption kWh/1000 h	25 kWh
Product Data	
Full product code	871150086895400
Order product name	MASTER TL5 HO 90 De Luxe 24W/940 1SL20
EAN/UPC - Product	8711500868954
Order code	927992094024
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927992094024
Net Weight (Piece)	54.000 g
ILCOS Code	FDH-24/40/1A-L/P-G5-16/550

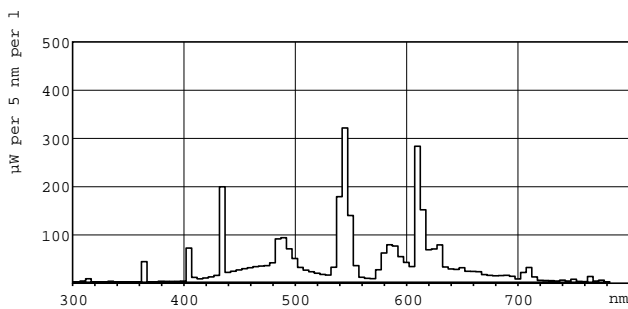
## Dimensional drawing



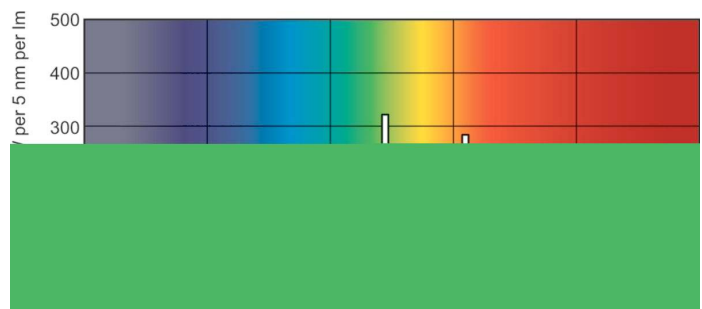
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 90 De Luxe 24W/940 1SL20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

## TL5 HO 24W/940

## Photometric data



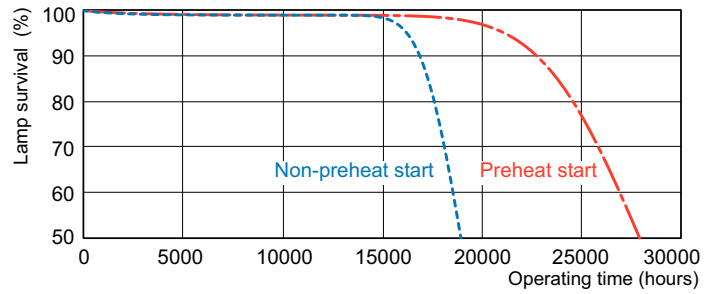
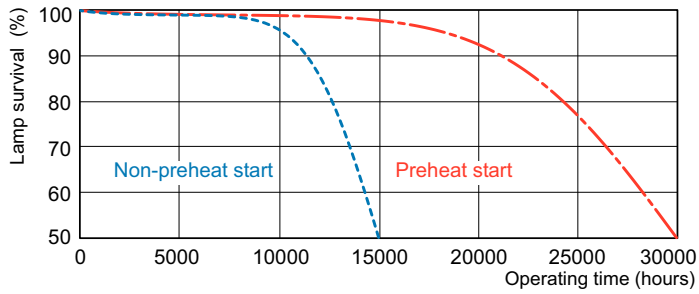
LDPB\_TL5-HO9\_940-Spectral power distribution B/W



LDPO\_TL5-HO9\_940-Spectral power distribution Colour

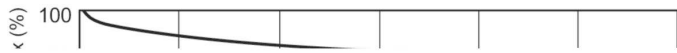
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## Lifetime



LDLE\_TL5-HO9\_0001-Life expectancy diagram

LDLE\_TL5-HO9\_0002-Life expectancy diagram



LDLM\_TL5-HO9\_0001-Lumen maintenance diagram

