



MASTER TL5 High Output 90 De Luxe



MASTER TL5 HO 90 De Luxe 24W/965 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	
Cap-Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	HO Alto® [High Output Alto]
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	97 %
LSF Preheat 20000 h Rated	84 %
Flux measurement reference	Sphere
Light technical	
Color Code	965 [CCT of 6500K]
Luminous Flux (Nom)	1525 lm

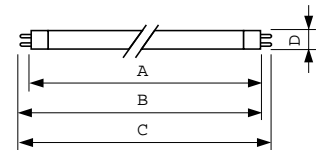
Luminous Flux (Rated) (Nom)	1525 lm
Color Designation	Cool Daylight
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	78 lm/W
Chromaticity Coordinate X (Nom)	0.313
Chromaticity Coordinate Y (Nom)	0.337
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	68 lm/W
Color Rendering Index (Nom)	92
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 %

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LLMF 20000 h Rated	90 %
Operating and electrical	
Power (Nom)	22.8 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	
Energy Efficiency Class	G

Mercury (Hg) Content (Nom)	1.2 mg
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	423481
Product data	
Full product code	871150026130400
Order product name	MASTER TL5 HO 90 De Luxe 24W/965 1SL20
EAN/UPC - Product	8711500261304
Order code	927992096524
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927992096524
Copy Net Weight (Piece)	52.000 g
ILCOS Code	FDH-24/65/1A-L/P-G5-16/550

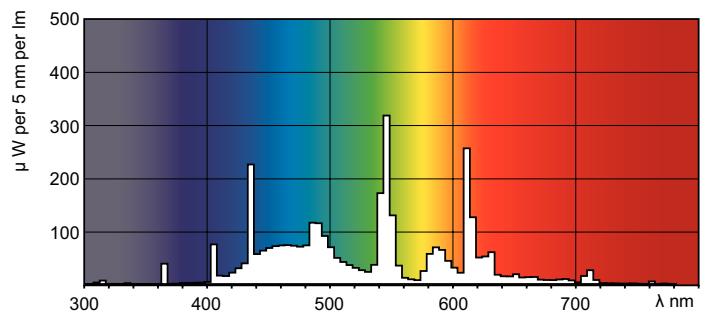
Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 90 De Luxe 24W/965 1SL20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

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Photometric data



LDPB_TL5-HO9_965-Spectral power distribution B/W

LDPO_TL5-HO9_965-Spectral power distribution Colour

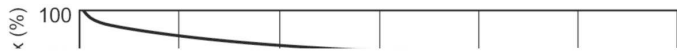
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Lifetime



LDLE_TL5-HO9_0001-Life expectancy diagram

LDLE_TL5-HO9_0002-Life expectancy diagram



LDLM_TL5-HO9_0001-Lumen maintenance diagram

