



MASTER TL-D 90 De Luxe

MASTER TL-D 90 DE LUXE 36W/965 SLV/10

This TL-D lamp makes colors appear rich, deep and enhanced in a natural way. Thus very suitable for applications where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewelry, dentists, hairdressing, museums and shops

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.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

Product data

General Information	
Base	G13 [Medium Bi-Pin Fluorescent]
Life To 10% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	15000 h
Life to 50% Failures Preheat (Nom)	20000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 20000 h Rated	2 %
Light Technical	
Color Code	965 [CCT of 6500K]

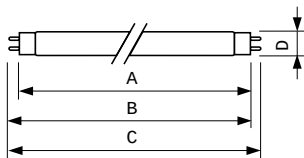
Initial lumen (Nom)	2800 lm
Luminous Flux (Rated) (Nom)	2800 lm
Color Designation	Cool Daylight
Chromaticity Coordinate X (Nom)	309
Chromaticity Coordinate Y (Nom)	322
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	77.8 lm/W
Color Rendering Index (Nom)	93
LLMF 2000 h Rated	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 %

MASTER TL-D 90 De Luxe

LLMF 20000 h Rated	90 %
Operating and Electrical	
Power (Rated) (Nom)	36.0 W
Lamp Current (Nom)	0.440 A
Temperature	
Design Temperature (Nom)	25 °C
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Energy Efficiency Label (EEL)	A

Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	43 kWh
Product Data	
Order product name	MASTER TL-D 90 De Luxe 36W/965 SLV/10
EAN/UPC - Product	8711500888624
Order code	251355
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928044596581
Net Weight (Piece)	135.000 g
ILCOS Code	FD-36/65/1A-E-G13

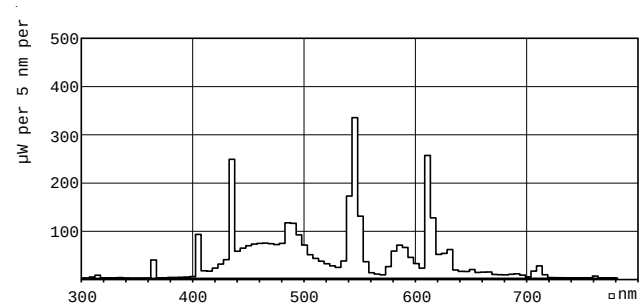
Dimensional drawing



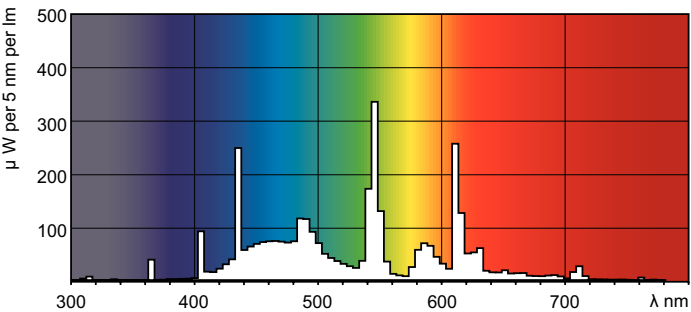
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 36W/965 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

TL-D De Luxe 36W/965

Photometric data



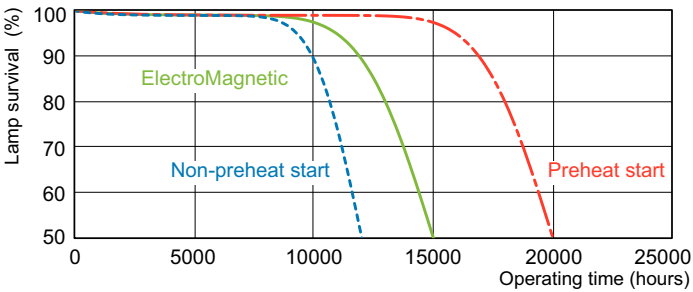
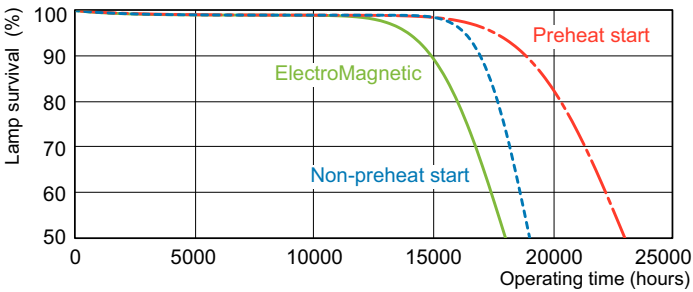
LDPB_TL-D9Hlm_965-Spectral power distribution B/W



LDPO_TL-D9Hlm_965-Spectral power distribution Colour

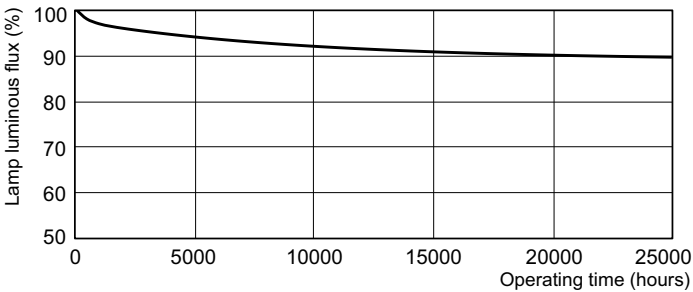
MASTER TL-D 90 De Luxe

Lifetime



LDLE_TL-D9Hm_0002-Life expectancy diagram

LDLE_TL-D9Hm_0001-Life expectancy diagram



LDLM_TL-D9Hm_0001-Lumen maintenance diagram

