



# MASTER TL5 High Output Eco

## MASTER TL5 HO Eco 45=49W/830 UNP/40

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HO Eco lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

### Product data

General Information	
Cap-Base	G5 [ G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	na [ Not Applicable]
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	99 %
LSF Preheat 20000 h Rated	94 %
Light Technical	
Color Code	830 [ CCT of 3000K]
Luminous Flux (Nom)	4900 lm
Luminous Flux (Rated) (Nom)	4100 lm
Color Designation	Warm White (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	108 lm/W
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	92 lm/W

Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
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 %
LLMF 20000 h Rated	90 %

Operating and Electrical	
Power (Nom)	44.6 W
Lamp Current (Nom)	0.260 A
Temperature	
Design Temperature (Nom)	35 °C

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## Controls and Dimming

Dimmable	Yes
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## Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	50 kWh

## Product Data

Full product code	872790082594700
Order product name	MASTER TL5 HO Eco 45=49W/830 UNP/40

EAN/UPC - Product	8711500880062
Order code	927991783031
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927991783031
Net Weight (Piece)	127.400 g
ILCOS Code	FDH-45/30/1B-L/P-G5-16/1450

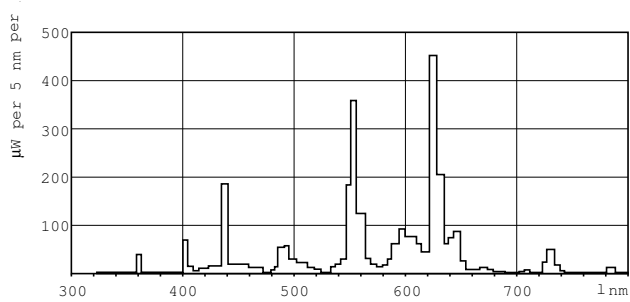
## Warnings and Safety

## Dimensional drawing

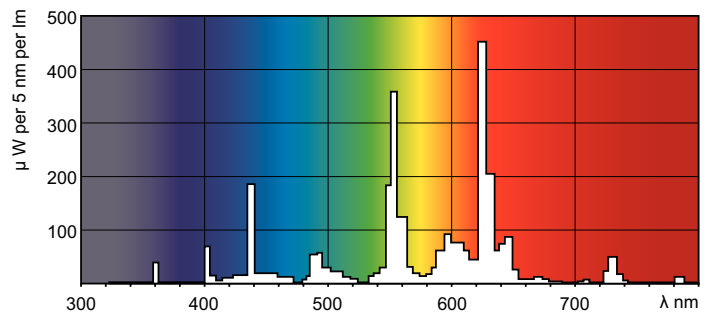
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco 45=49W/830 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm

## TL5 HO Eco 45=49W/830

## Photometric data



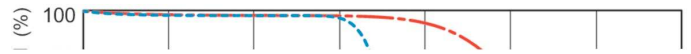
LDPB\_TL5ECO\_830-Spectral power distribution B/W



LDPO\_TL5ECO\_830-Spectral power distribution Colour

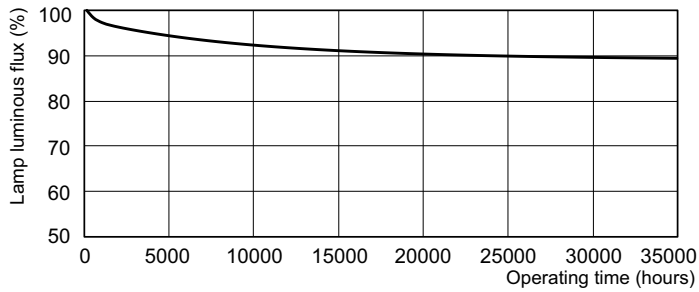
# MASTER TL5 High Output Eco

## Lifetime



LDLE\_TL5ECO\_0001-Life expectancy diagram

LDLE\_TL5ECO\_0002-Life expectancy diagram



LDLM\_TL5ECO\_0001-Lumen maintenance diagram

