



# MASTER TL5 High Output Eco

## MASTER TL5 HO Eco 20=24W/840 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		Color Rendering Index (Max)	
Cap-Base	G5 [ G5]	Color Rendering Index (Max)	85
Life to 50% Failures Preheat (Nom)	30000 h	Color Rendering Index (Min)	80
Features	na [ Not Applicable]	Color Rendering Index (Nom)	82
LSF Preheat 2000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF Preheat 4000 h Rated	99 %	LLMF 4000 h Rated	95 %
LSF Preheat 6000 h Rated	99 %	LLMF 6000 h Rated	94 %
LSF Preheat 8000 h Rated	99 %	LLMF 8000 h Rated	93 %
LSF Preheat 16000 h Rated	99 %	LLMF 12000 h Rated	92 %
LSF Preheat 20000 h Rated	94 %	LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical		Operating and Electrical	
Color Code	840 [ CCT of 4000K]	Power (Rated) (Nom)	19.5 W
Luminous Flux (Nom)	1950 lm	Lamp Current (Nom)	0.300 A
Luminous Flux (Rated) (Nom)	1650 lm		
Color Designation	Cool White (CW)	Temperature	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	99 lm/W	Design Temperature (Nom)	35 °C
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	85 lm/W		

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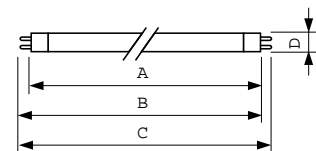
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	22 kWh
Product Data	
Full product code	872790088086100
Order product name	MASTER TL5 HO Eco 20=24W/840 UNP/40

EAN/UPC - Product	8711500881311
Order code	927989984031
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927989984031
Net Weight (Piece)	52.000 g
ILCOS Code	FDH-20/40/1B-L/P-G5-16/550

## Warnings and Safety

- A reduction in energy consumption is only achieved with current-controlled gear.
- The lamps operate perfectly with power-controlled gear, but in that case the light output can be up to 10% higher.
- 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.

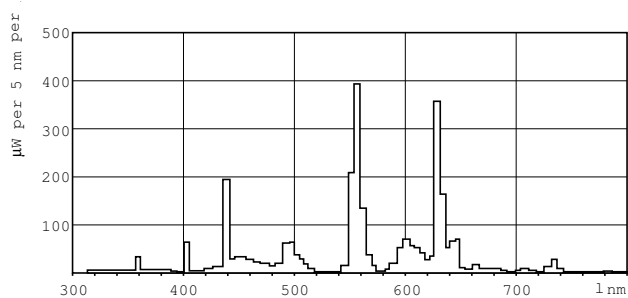
## Dimensional drawing



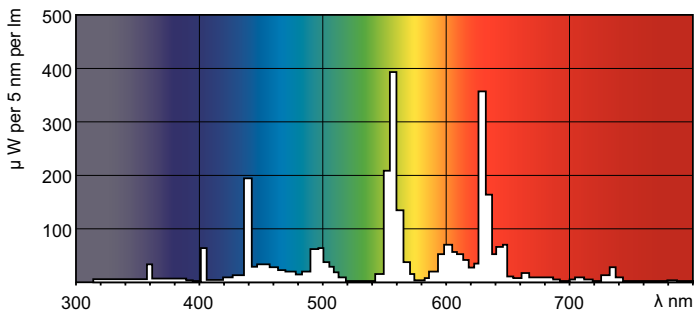
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco 20=24W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

## TL5 HO Eco 20=24W/840

## Photometric data



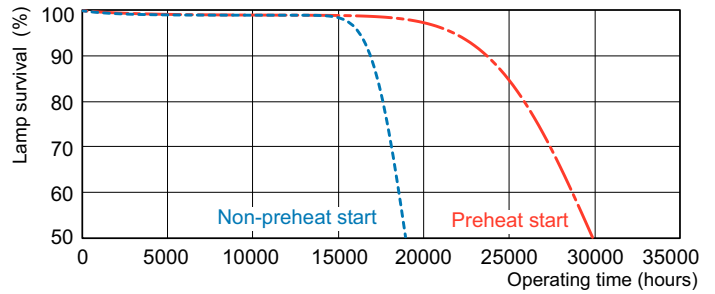
## Lightcolor /840



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# MASTER TL5 High Output Eco

## Lifetime



MASTER TL5 HO Eco Life Expectancy 3 h cycle

MASTER TL5 HO Eco Life Expectancy 12 h cycle



MASTER TL5 HO Eco Lumen Maintenance 3 h + 12 h cycle

