MASTER TL5 High Output

MASTER TL5 HO 39W/865 1SL

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO 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 Characteristics

System Description	High Output
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 50% fail Preheat EL,3h	24000 hr
Life to 10% fail Preheat EL,3h	19000 hr
LSF HF Preheat 20000h Rated,3h	85 %
LSF HF Preheat 16000h Rated,3h	94 %
LSF HF Preheat 12000h Rated,3h	95 %
LSF HF Preheat 8000h Rated,3h	97 %
LSF HF Preheat 6000h Rated,3h	98 %
LSF HF Preheat 4000h Rated,3h	98 %
LSF HF Preheat 2000h Rated,3h	99 %

• Light Technical Characteristics

Color Code	865 [CCT of 6500K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool Daylight
Color Temperature	6500 K
Chromaticity Coordinate X	313 -
Chromaticity Coordinate Y	338 -
Luminous Flux Lamp EL 35°C	3300 Lm
Lum Efficacy Rated HF 25°C	76 Lm/W
Lum Efficacy Rated HF 35°C	87 Lm/W
LLMF HF 20000h Rated	88 %
LLMF HF 16000h Rated	90 %
LLMF HF 12000h Rated	91 %
LLMF HF 8000h Rated	93 %
LLMF HF 6000h Rated	94 %
LLMF HF 4000h Rated	95 %
LLMF HF 2000h Rated	96 %
Luminous Flux EL 25°C, Rated	2900 Lm
Luminous Flux EL 25°C, Nominal	2900 Lm
Design Temperature	35 C

• Electrical Characteristics

Lamp Wattage	39 W
Lamp Voltage EL 25°C	118 V
Lamp Current EL 25°C	0.325 A
Dimmable	Yes
Lamp Wattage EL 35°C	39.0 W

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Lamp Current EL 35°C	0.340 A
Lamp Voltage EL 35°C	112 V
Lamp Wattage EL 25°C, Rated	38.0 W
Lamp Wattage EL 25°C, Nominal	39 W

- Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

- Measuring Conditions

Calibration Current	0.340 A
HF Generator Rated Voltage	224 V
Resistor	330 ohm

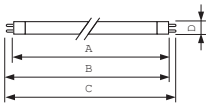
- Product Dimensions

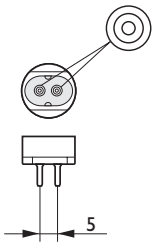
Base Face to Base Face A	849.0 (max) mm
Insertion Length B	853.7 (min), 856.1 (max) mm
Overall Length C	863.2 (max) mm
Diameter D	17 (max) mm

- Product Data

Order code	927928586555
Full product code	927928586555
Full product name	MASTER TL5 HO 39W/865 1SL
Order product name	MASTER TL5 HO 39W/865 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500643872
Bar code on outerbox - EAN3	8711500868503
Logistic code(s) - 12NC	927928586555
ILCOS code	FDH-39/65/1B-L/P-G5-16/850
Net weight per piece	80.500 gr

Dimensional drawing



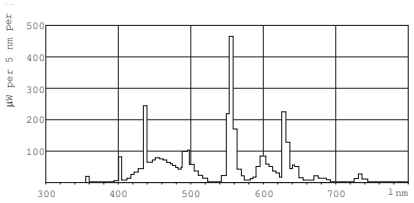


G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO 39W/865	849.0	853.7	856.1	863.2	17

MASTER TL5 High Output

Photometric data



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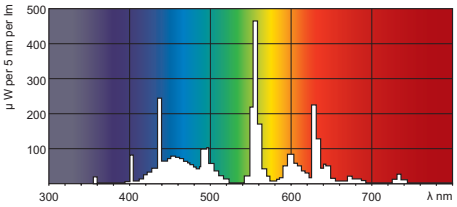

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Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.
1.3 Product information requirements on lamps
a) Nominal and rated lamp wattage;
b) Nominal and rated lamp luminous flux;
c) Rated lamp efficacy at 100 h in standard conditions (25 °C, for T5 lamps at 35 °C). For fluorescent lamps both at 50 Hz (mains frequency) operation (where applicable) and at High Frequency (> 50 Hz) operation (where applicable) for the same rated luminous flux in all cases, indicating for High Frequency operation the calibration current of the test conditions and/or the rated voltage of the HF generator with the resistance. It shall be stated in a conspicuous manner that the power dissipated by auxiliary equipment such as ballasts is not included in the power consumed by the source;
d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
f) Lamp mercury content as X.X mg;
g) Colour Rendering Index (Ra) of the lamp;
h) Colour temperature of the lamp;
i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;
j) For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts as defined in Table 17 with which the lamp can operate.
See Table 17-EuP245.pdf for Table 17 – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps.
For more information see: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF

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data subject to change