



# MASTER TL5 High Output Eco

# MASTER TL5 HO Eco 20=24W/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                        |                      |
| Colour Code                            | 830 [ CCT of 3000K]  |
| Luminous Flux (Nom)                    | 1950 lm              |
| Luminous Flux (Rated) (Nom)            | 1650 lm              |
| Colour Designation                     | Warm White (WW)      |
| Luminous Efficacy (@ Max Lumen, Rated) | 99 lm/W              |
| (Nom)                                  |                      |
| Colour Temperature, horizontal (Nom)   | 3000 K               |
| Luminous Efficacy (rated) (Nom)        | 85 lm/W              |
|  |                      |

| Colour Rendering Index horiz (Max) | 85      |
|------------------------------------|---------|
| Colour Rendering Index horiz (Min) | 80      |
| Colour Rendering Index horiz (Nom) | 82      |
| Depreciation 2000 hrs              | 96 %    |
| LLMF 4000 h Rated                  | 95 %    |
| Depreciation 5000 hrs              | 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 (Rated) (Nom)                | 19.5 W  |
| Lamp Current (Nom)                 | 0.300 A |
|                                    |         |
| Temperature                        |         |
| Design Temperature (Nom)           | 35 ℃    |
|                                    |         |
|                                    |         |

Datasheet, 2020, March 19 data subject to change

# **MASTER TL5 High Output Eco**

| Controls and Dimming          |        |  |
|-------------------------------|--------|--|
| Dimmable                      | Yes    |  |
|                               |        |  |
| Approval and Application      |        |  |
| Energy Efficiency Label       | A+     |  |
| Mercury (Hg) Content (Nom)    | 1.4 mg |  |
| Energy Consumption kWh/1000 h | 22 kWh |  |

| Order code                      | 88084700                   |  |  |  |
|---------------------------------|----------------------------|--|--|--|
| Numerator - Quantity Per Pack   |                            |  |  |  |
| Numerator - Packs per outer box | 40                         |  |  |  |
| Material Nr. (12NC)             | 927989983031               |  |  |  |
| Net Weight (Piece)              | 52.000 g                   |  |  |  |
| ILCOS Code                      | FDH-20/30/1B-L/P-G5-16/550 |  |  |  |

8711500881304

EAN/UPC - Product

| Product Data       |                              |
|--------------------|------------------------------|
| Full product code  | 872790088084700              |
| Order product name | MASTER TL5 HO Eco 20=24W/830 |
|                    | UNP/40                       |

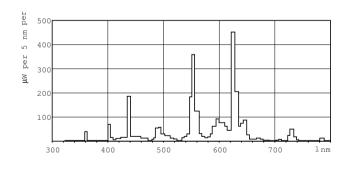
## Warnings and Safety

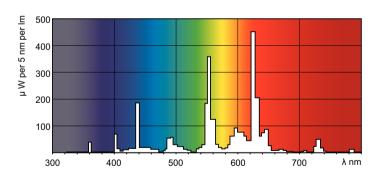
## Dimensional drawing

| Product           | D (max) | A (max)  | B (max)  | B (min)  | C (max)  |
|-------------------|---------|----------|----------|----------|----------|
| MASTER TL5 HO Eco | 17 mm   | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |
| 20=24W/830 UNP/40 |         |          |          |          |          |

## TL5 HO Eco 20=24W/830

#### Photometric data



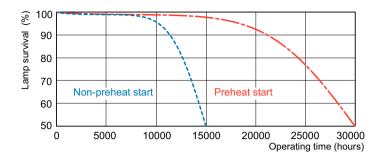


Lightcolour /830

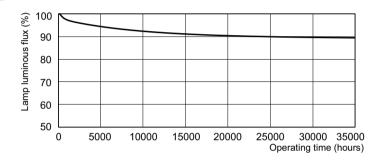
Lightcolour /830

# **MASTER TL5 High Output Eco**

#### Lifetime



LDLE\_TL5ECO\_0001-Life expectancy diagram



LDLM\_TL5ECO\_0001-Lumen maintenance diagram



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