

# MASTER TL5 High Output



## MASTER TL5 HO 54W/830 UNP/40

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.

### 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.

### Product data

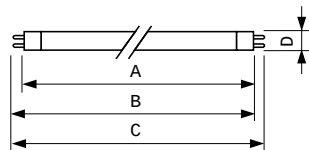
| General information                |                      |                                              |                 |
|------------------------------------|----------------------|----------------------------------------------|-----------------|
| Cap-Base                           | G5 [ G5]             | Luminous Flux (Rated) (Nom)                  | 4500 lm         |
| Life to 50% Failures Preheat (Nom) | 30000 h              | Color Designation                            | Warm White (WW) |
| Features                           | na [ Not Applicable] | Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 93 lm/W         |
| System Description                 | High Output          | Chromaticity Coordinate X (Nom)              | 0.44            |
| LSF Preheat 2000 h Rated           | 99 %                 | Chromaticity Coordinate Y (Nom)              | 0.403           |
| LSF Preheat 4000 h Rated           | 99 %                 | Correlated Color Temperature (Nom)           | 3000 K          |
| LSF Preheat 6000 h Rated           | 99 %                 | Luminous Efficacy (rated) (Nom)              | 83 lm/W         |
| LSF Preheat 8000 h Rated           | 99 %                 | Color Rendering Index (Max)                  | 85              |
| LSF Preheat 16000 h Rated          | 97 %                 | Color Rendering Index (Min)                  | 80              |
| LSF Preheat 20000 h Rated          | 84 %                 | Color Rendering Index (Nom)                  | 82              |
| Flux measurement reference         | Sphere               | LLMF 2000 h Rated                            | 96 %            |
| Light technical                    |                      | LLMF 4000 h Rated                            | 95 %            |
| Color Code                         | 830 [ CCT of 3000K]  | LLMF 6000 h Rated                            | 94 %            |
| Luminous Flux (Nom)                | 4500 lm              | LLMF 8000 h Rated                            | 93 %            |
|                                    |                      | LLMF 12000 h Rated                           | 92 %            |
|                                    |                      | LLMF 16000 h Rated                           | 91 %            |

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|                          |                  |
|--------------------------|------------------|
| LLMF 20000 h Rated       | 90 %             |
| Operating and electrical |                  |
| Power (Nom)              | 54.4 W           |
| Lamp Current (Nom)       | 0.455 A          |
| Temperature              |                  |
| Design Temperature (Nom) | 35 °C            |
| Controls and dimming     |                  |
| Dimmable                 | Yes              |
| Mechanical and housing   |                  |
| Cap-Base Information     | Green Plate      |
| Bulb Shape               | T5 [ 16 mm (T5)] |
| Approval and application |                  |
| Energy Efficiency Class  | G                |

|                                 |                              |
|---------------------------------|------------------------------|
| Mercury (Hg) Content (Nom)      | 1.2 mg                       |
| Energy Consumption kWh/1000 h   | 55 kWh                       |
| EPREL Registration Number       | 423561                       |
| Product data                    |                              |
| Full product code               | 871150063734555              |
| Order product name              | MASTER TL5 HO 54W/830 UNP/40 |
| EAN/UPC - Product               | 8711500637345                |
| Order code                      | 927929083018                 |
| Numerator - Quantity Per Pack   | 1                            |
| Local code description          | 4924730                      |
| Numerator - Packs per outer box | 40                           |
| Material Nr. (12NC)             | 927929083018                 |
| Net Weight (Piece)              | 105.800 g                    |
| ILCOS Code                      | FDH-54/30/1B-L/P-G5-16/1150  |

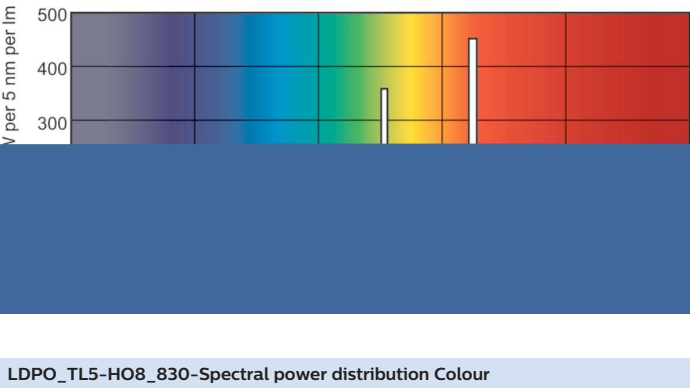
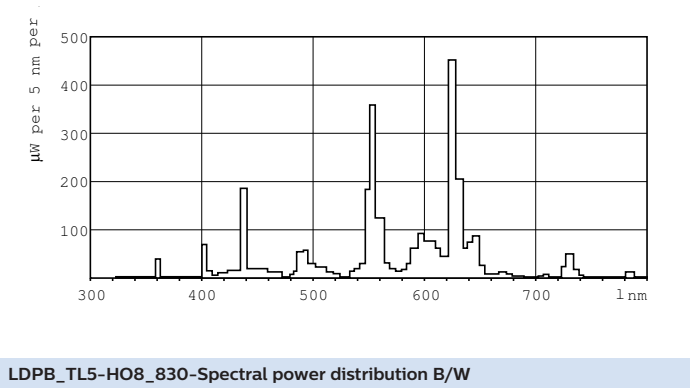
## Dimensional drawing



| Product                         | D (max) | A (max)   | B (max)   | B (min)   | C (max)   |
|---------------------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL5 HO<br>54W/830 UNP/40 | 17 mm   | 1149.0 mm | 1156.1 mm | 1153.7 mm | 1163.2 mm |

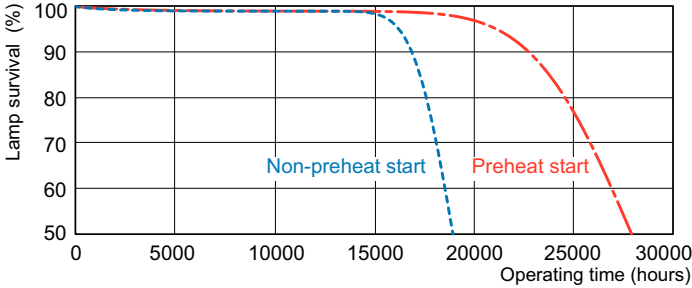
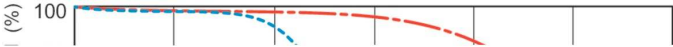
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## Photometric data

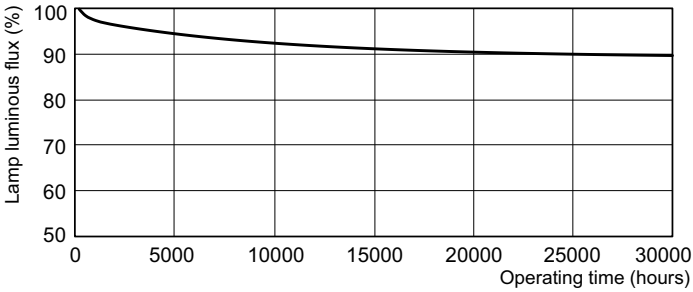


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Lifetime



LDLE\_TL5-HO8\_0001-Life expectancy diagram



LDLE\_TL5-HO8\_0002-Life expectancy diagram

LDLM\_TL5-HO8\_0001-Lumen maintenance diagram

