PHILIPS

## MAS LEDtube HF 600mm HO 8W840 T8

929001393232




# MASTER, LEDtube, T8, HF, 600 mm, 8 W, 18W TL-D, 4000 K, 1050 lm, CRI 80, 75000 hour(s)




MASTER, LEDtube, T8, HF, 600 mm, 8 W, LED alternative to 18W TL-D, 4000 K, 1050 lm, CRI 80, 75000 hour(s), 131 lm/W, EEL E, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 600 mm, RG0, SDCM 6, PF 0.9, IP20

## Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

## General Information

| | |
|---|---|
| Cap-Base | G13 Rotatable end-cap |
| Nominal lifetime | 75,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LEDtube |
| Flux measurement reference | Sphere |
| Warranty period | 5 years |

| | |
|---|---|
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 131 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Photobiological safety according to EN 62471 | RG0 |

## Light Technical

| | |
|---|---|
| Color Code | 840 [CCT of 4000K] |
| Beam Angle (Nom) | 160 degree(s) |
| Luminous Flux | 1,050 lm |
| Color Designation | Cool White (CW) |

## Operating and Electrical

| | |
|---|---|
| Line Frequency | 20000-120000 Hz |
| Input Frequency | 20000-120000 Hz |
| Power Consumption | 8 W |
| Lamp Current (Max) | 500 mA |
| Lamp Current (Min) | 150 mA |
| Starting Time (Nom) | 0.5 s |

| | |
|---|---|
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 20-50 V |
| LED alternative to fluorescent lamp power | 18W TL-D |
| Inrush current at mains | - |
| Max. lamp no. on MCB B type 10A - Mains | - |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 16A - Mains | - |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | - |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor. | - |
| Ballast Compatibility | HF |

## Temperature

| | |
|---|---|
| T-Case Maximum (Nom) | 55 °C |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |

## Mechanical and Housing

| | |
|---|---|
| Bulb Finish | Frosted |
| Bulb Material | Plastic |
| Product Length | 600 mm |
| Bulb Shape | T8 |
| Net Weight (Piece) | 0.100 kg |

## Approval and Application

| | |
|---|---|
| Energy Efficiency Class | E |
| Energy Saving Product | Yes |
| Approval Marks | RoHS compliance |
| Energy Consumption kWh/1000 h | 8 kWh |
| EPREL Registration Number | 1597257 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| Ambient temperature range | -20 °C to 45 °C |

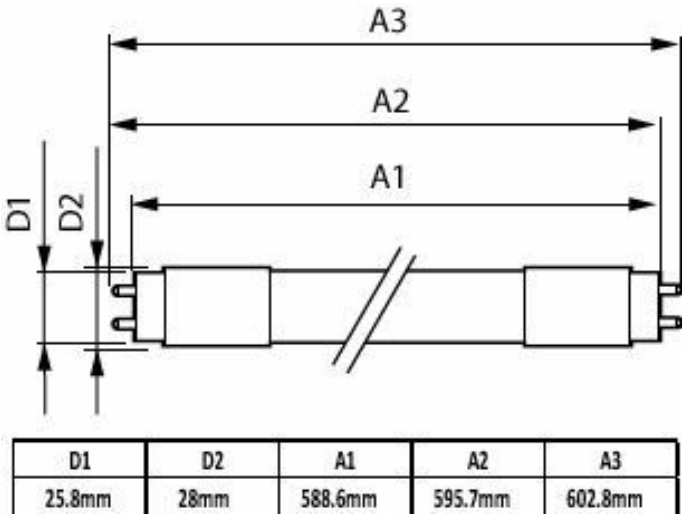
## Application Conditions

| | |
|---|---|
| Wireless Technology | Not applicable |

## Product Data

| | |
|---|---|
| Order product name | MAS LEDtube HF 600mm HO 8W840 T8 |
| Full product name | MAS LEDtube HF 600mm HO 8W840 T8 |
| Full product code | 871951446642500 |
| Order code | 929001393232 |
| Material Nr. (12NC) | 929001393232 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514466425 |
| Numerator - Packs per outer box | 20 |
| EAN/UPC - Case | 8719514466432 |

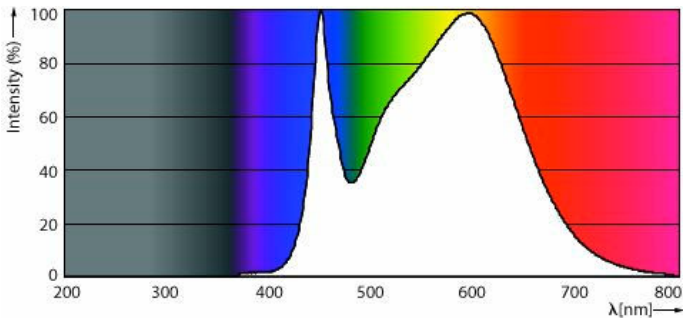
## Dimensional drawing



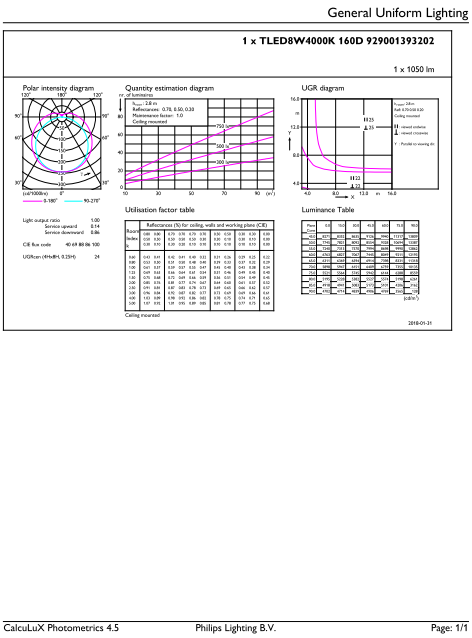

| D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|
| 25.8mm | 28mm | 588.6mm | 595.7mm | 602.8mm |

| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| MAS LEDtube HF 600mm HO 8W840 T8 | 25.8 mm | 28 mm | 588.6 mm | 595.7 mm | 602.8 mm |

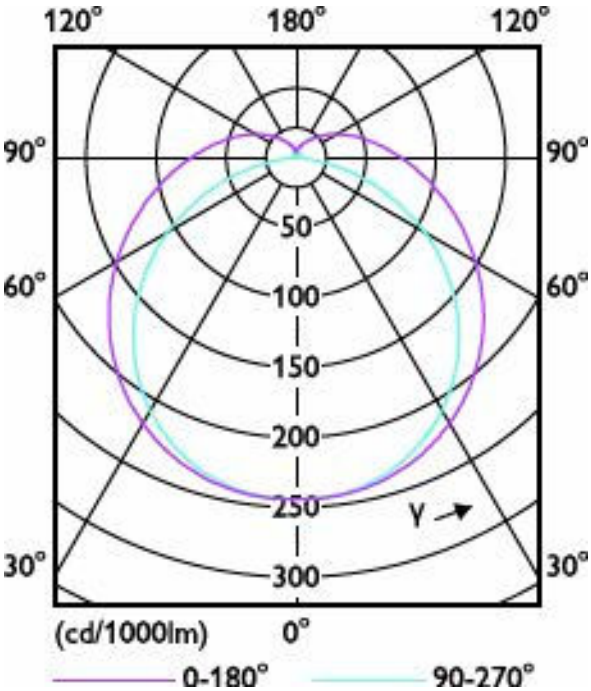
## Photometric data




Spectral Power Distribution Colour - MAS LEDtube HF 600mm HO 8W840 T8

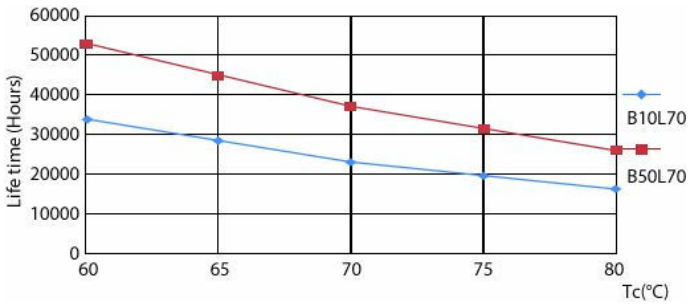



General uniform lighting - MAS LEDtube HF 600mm HO 8W840 T8

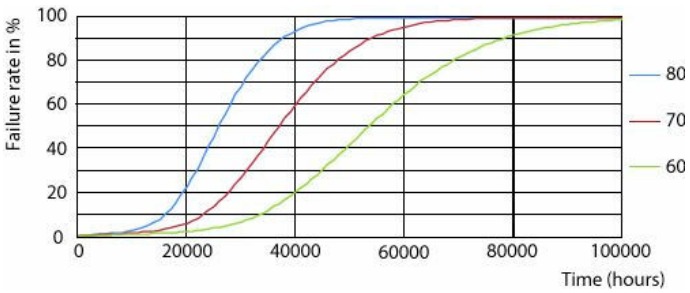



Light Distribution Diagram - MAS LEDtube HF 600mm HO 8W840 T8

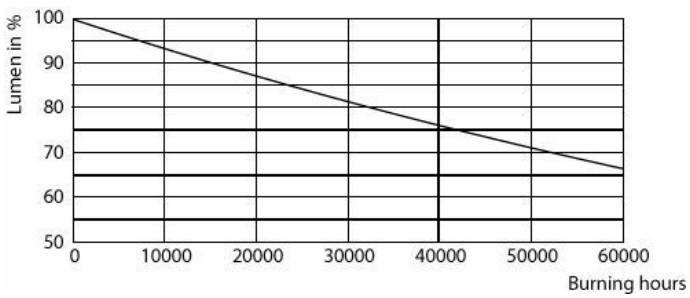
## Lifetime



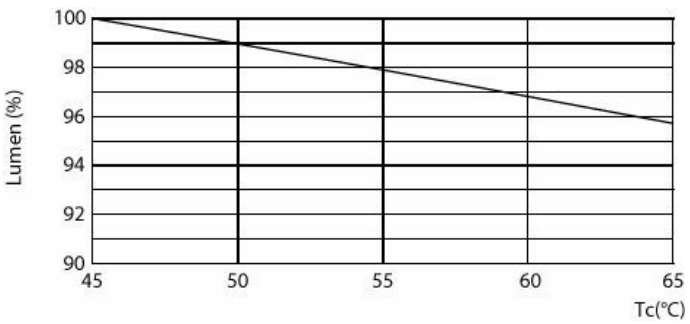

LifetimeVsTc



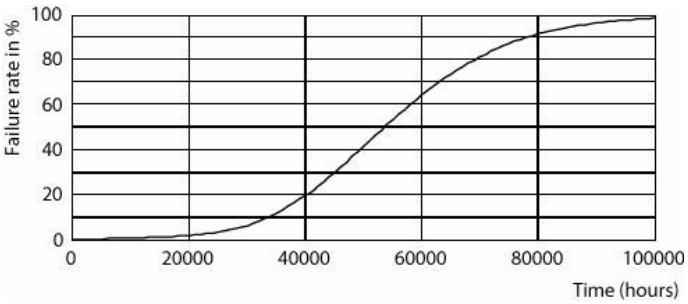

FailureRate




Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W840 T8




Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W840 T8




Life Expectancy Diagram

## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Installation Instructions | LEDtube_Installation_Guide_HF_1-INI.pdf | Download |
| Environmental Product Declaration | EPD-Philips-MAS-LEDtube-HF-600mm-HO-8W840-T8-929001393232-20240730.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | LEDtube_600mm_8W_G13_840_1050lm-IES.ies | Download |

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