



# MasterConnect LEDtube EM/Mains T8

## MAScon LEDtube IA 1200mm UO 16.5W865 T8

Philips MasterConnect LEDtube EM/Mains T8 means easy upgrade to a connected lighting system. Its 2.4GHz mesh networking technology enables wireless integration with a variety of control devices, such as sensor and switch. The result? Even more energy saving and enhanced flexibility in your space. Through dimming, occupancy sensing and/or daylight harvesting, lamps deliver 50% or more energy saving thanks to MasterConnect technology.

### Product data

| General Information                   |                                 |
|---------------------------------------|---------------------------------|
| Cap-Base                              | G13 [Medium Bi-Pin Fluorescent] |
| Nominal lifetime                      | 50,000 hour(s)                  |
| Switching Cycle                       | 200,000                         |
| Lighting Technology                   | LED                             |
| EU RoHS compliant                     | Yes                             |
| Light Technical                       |                                 |
| Color Code                            | 865 [CCT of 6500K]              |
| Beam Angle (Nom)                      | 160 degree(s)                   |
| Luminous Flux                         | 2,500 lm                        |
| Color Designation                     | Cool Daylight                   |
| Correlated Color Temperature (Nom)    | 6500 K                          |
| Luminous Efficacy (rated) (Nom)       | 151.52 lm/W                     |
| Color Consistency                     | <6                              |
| Color rendering index (CRI)           | 83                              |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                            |

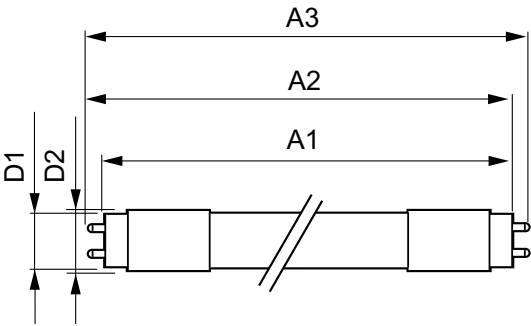
| Operating and Electrical  |                 |
|---------------------------|-----------------|
| Line Frequency            | 50 to 60 Hz     |
| Input Frequency           | 50 to 60 Hz     |
| Power Consumption         | 16.5 W          |
| Lamp Current (Max)        | 76 mA           |
| Lamp Current (Min)        | 69 mA           |
| Starting Time (Nom)       | 0.5 s           |
| Warm-up time to 60% light | 0.5 s           |
| Power Factor (Fraction)   | 0.9             |
| Voltage (Nom)             | 220-240 V       |
| Temperature               |                 |
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom)      | 45 °C           |
| Controls and Dimming      |                 |
| Dimmable                  | Wireless Dim    |

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|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Mechanical and Housing        |                                                      |
| Product Length                | 1,200 mm                                             |
| Bulb Shape                    | T8                                                   |
| Approval and Application      |                                                      |
| Energy Saving Product         | Yes                                                  |
| Approval Marks                | TUV CE marking RoHS compliance KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 17 kWh                                               |
| Product Data                  |                                                      |
| Order product name            | MAScon LEDtube IA 1200mm UO 16.5W865 T8              |

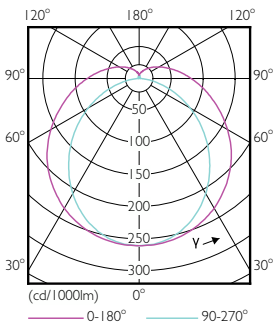
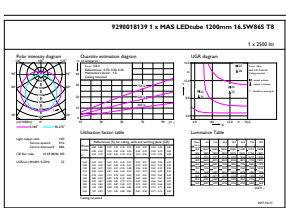
|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Full product name               | MAScon LEDtube IA 1200mm UO 16.5W865 T8 |
| Full product code               | 694793914364100                         |
| Order code                      | 929001813910                            |
| Material Nr. (12NC)             | 929001813910                            |
| Numerator - Quantity Per Pack   | 1                                       |
| EAN/UPC - Product/Case          | 6947939143641                           |
| Numerator - Packs per outer box | 10                                      |
| EAN/UPC - Case                  | 6947939143658                           |

Dimensional drawing



| Product                                 | D1      | D2    | A1         | A2         | A3         |
|-----------------------------------------|---------|-------|------------|------------|------------|
| MAScon LEDtube IA 1200mm UO 16.5W865 T8 | 25.7 mm | 28 mm | 1,199.4 mm | 1,205.3 mm | 1,212.4 mm |

Photometric data



General uniform lighting - MAScon LEDtube IA 1200mm UO 16.5W865 T8

Light Distribution Diagram - MAScon LEDtube IA 1200mm UO 16.5W865 T8

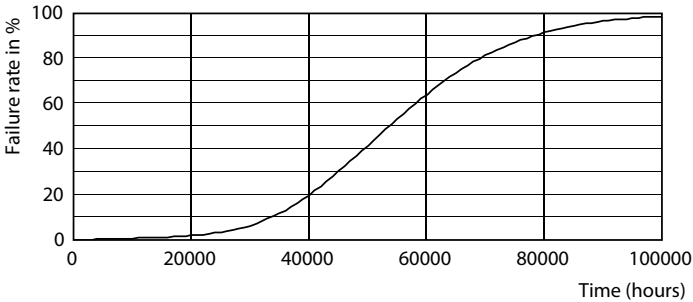
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Photometric data

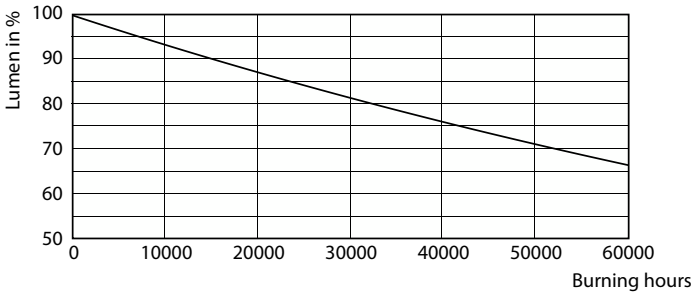


Spectral Power Distribution Colour - MAScon LEDtube IA 1200mm UO 16.5W865 T8

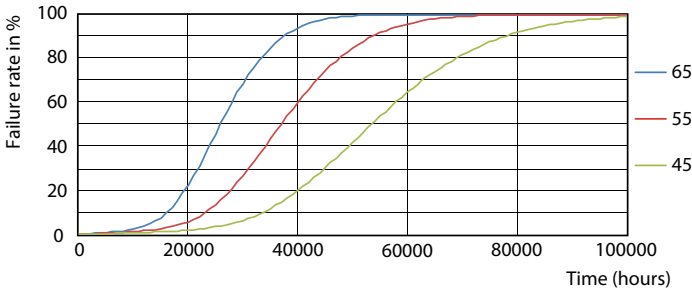
Lifetime



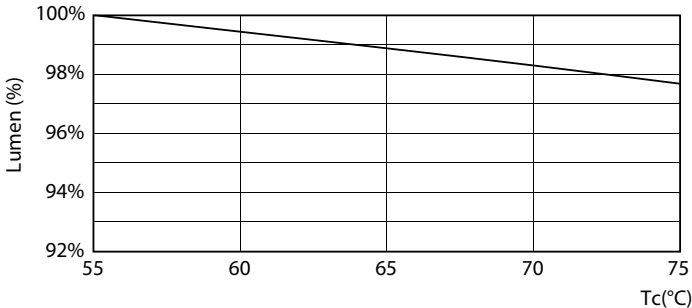
Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W865 T8



Lumen Maintenance Diagram - MAScon LEDtube IA 1200mm UO 16.5W865 T8



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Lifetime



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