



# MASTER LED-buis InstantFit HF T5



## MAS LEDtube HF 1500mm HE 20W 830 T5

MASTER, LEDtube, T5, HF, 1500 mm, 20 W, 35W TL5 HE, 3000 K, 2800 lm, CRI 80, 60000 hr

MASTER, LEDtube, T5, HF, 1500 mm, 20 W, LED alternative to 35W TL5 HE, 3000 K, 2800 lm, CRI 80, 60000 hr, 140.00 lm/W, EEL E, G5, Glas, 1500 mm, RG0, SDCM 6, PF 0.92, IP20

### Product gegevens

| Algemene informatie                       |                    |
|-------------------------------------------|--------------------|
| Lampvoet                                  | G5                 |
| Nominale levensduur                       | 60.000 hr          |
| Schakelcyclus                             | 50.000             |
| Lamptype                                  | LEDtube            |
| Meetreferentie van lichtstroom            | Sphere             |
| Garantieperiode                           | 5 jaar             |
| Gegevens lichttechniek                    |                    |
| Kleurcode                                 | 830 [CCT of 3000K] |
| Bundelhoek (nom.)                         | 200 graden         |
| Lichtstroom                               | 2.800 lm           |
| Kleuraanduiding                           | Wit (WH)           |
| Gecorreleerde kleurtemperatuur (nom.)     | 3000 K             |
| Lichtrendement (gespec.) (nom.)           | 140,00 lm/W        |
| Kleurconsistentie                         | <6                 |
| Kleurweergave-index (CRI)                 | 80                 |
| LLMF bij einde nominale levensduur (nom.) | 70 %               |

| Photobiological safety according to EN 62471                                           | RG0               |
|----------------------------------------------------------------------------------------|-------------------|
| Bedrijfs- en elektrische gegevens                                                      |                   |
| Ingangsfrequentie                                                                      | 30K to 100K Hz    |
| Ingangsfrequentie                                                                      | 30 K tot 100 K Hz |
| Energieverbruik                                                                        | 20 W              |
| Lampstroom (max.)                                                                      | 350 mA            |
| Lampstroom (min.)                                                                      | 150 mA            |
| Opstarttijd (nom.)                                                                     | 0,5 s             |
| Opwarmtijd tot 60% licht                                                               | 0.5 s             |
| Arbeidsfactor                                                                          | 0.92              |
| Spanning (nom.)                                                                        | 80-130 V          |
| LED alternative to fluorescent lamp power                                              | 35W TL5 HE        |
| Aanloopstroom op netspanning                                                           | -                 |
| Max. lampnr. op MCB B type 10 A - netvoeding                                           | -                 |
| Max. lampnr. op MCB B type 10A - EM-voorschakelapparaat zonder compensatiecondensator. | -                 |

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|                                                                                        |    |
|----------------------------------------------------------------------------------------|----|
| Max. lampnr. op MCB B type 10A – EM-voorschakelapparaat met compensatiecondensator.    | -  |
| Max. lampnr. op MCB B type 16A – netvoeding                                            | -  |
| Max. lampnr. op MCB B type 16A – EM-voorschakelapparaat zonder compensatiecondensator. | -  |
| Max. lampnr. op MCB B type 16A – EM-voorschakelapparaat met compensatiecondensator.    | -  |
| Compatibiliteit met VSA                                                                | HF |

### Operationele temperatuur

|                             |       |
|-----------------------------|-------|
| T-behuizing maximaal (nom.) | 65 °C |
|-----------------------------|-------|

### Dimbaarheid en regelsystemen

|         |                                                |
|---------|------------------------------------------------|
| Dimbaar | Ja – Controleer de compatibiliteit van het VSA |
|---------|------------------------------------------------|

### Eigenschappen behuizing en afmetingen

|                         |          |
|-------------------------|----------|
| Lampafwerking           | Mat      |
| Lampmateriaal           | Glas     |
| Productlengte           | 1.500 mm |
| Lampvorm                | T5       |
| Nettogewicht (per stuk) | 0,196 kg |

### Keurmerken en classificaties

|                           |   |
|---------------------------|---|
| Energie-efficiëntieklasse | E |
|---------------------------|---|

|                               |                                    |
|-------------------------------|------------------------------------|
| Energiebesparend product      | Ja                                 |
| Keurmerken                    | Conform RoHS KEMA Keur-certificaat |
| Energieverbruik kWh/1.000 uur | 20 kWh                             |
| EPREL-registratienummer       | 1384137                            |
| CE-markering                  | Ja                                 |
| Conform EU RoHS-richtlijn     | Ja                                 |
| Bereik omgevingstemperatuur   | -20 °C t/m 45 °C                   |

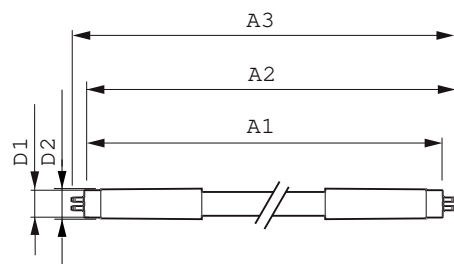
### Toepassingsomstandigheden

|                       |                     |
|-----------------------|---------------------|
| Draadloze technologie | Niet van toepassing |
|-----------------------|---------------------|

### Productgegevens

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Productnaam voor bestelling      | MAS LEDtube HF 1500mm HE 20W 830 T5 |
| Volledige productnaam            | MAS LEDtube HF 1500mm HE 20W 830 T5 |
| Full EOC                         | 871869674335500                     |
| Bestelcode                       | 8718696743355                       |
| Materiaalnr. (12NC)              | 929001391302                        |
| Lokale code                      | MTT5HE15020W830                     |
| Numerator – Aantal per pak       | 1                                   |
| EAN/UPC – product/behuizing      | 8718696743355                       |
| Numerator – Dozen per buitendoos | 10                                  |
| EAN/UPC – Case                   | 8718696743362                       |

## Maatschets

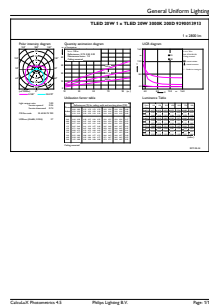


| D1     | D2      | A1     | A2     | A3     |
|--------|---------|--------|--------|--------|
| 15.5mm | 16/19mm | 1449mm | 1456mm | 1463mm |

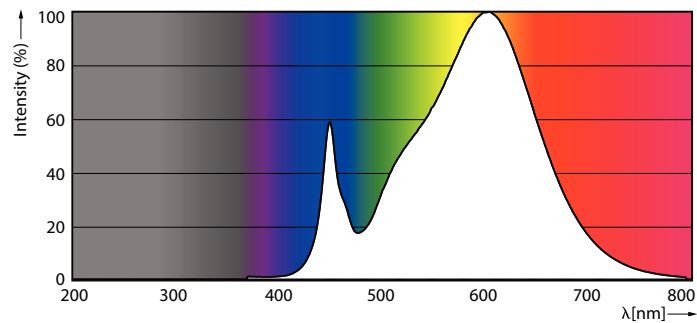
| Product                             | D1      | D2       | A1       | A2       | A3       |
|-------------------------------------|---------|----------|----------|----------|----------|
| MAS LEDtube HF 1500mm HE 20W 830 T5 | 15,5 mm | 16/19 mm | 1.449 mm | 1.456 mm | 1.463 mm |

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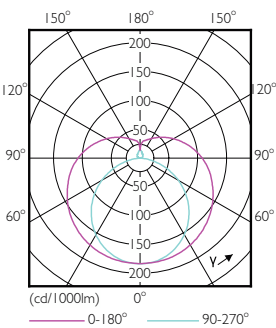
Fotometrische gegevens



General uniform lighting - MAS LEDtube HF 1500mm HE 20W 830 T5

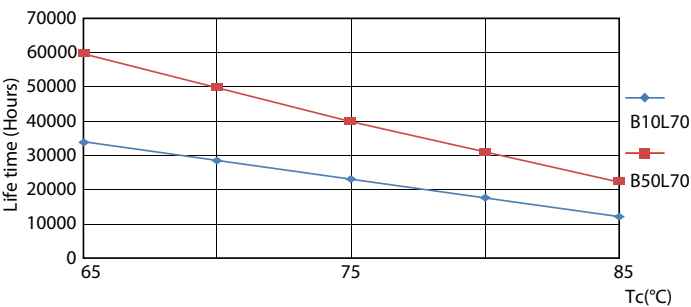


Spectral Power Distribution Colour - MAS LEDtube HF 1500mm HE 20W 830 T5

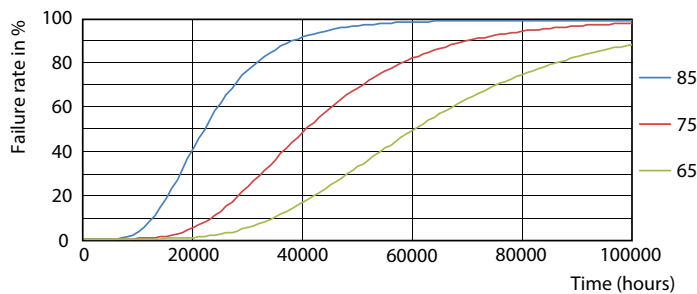


Light Distribution Diagram - MAS LEDtube HF 1500mm HE 20W 830 T5

Levensduur



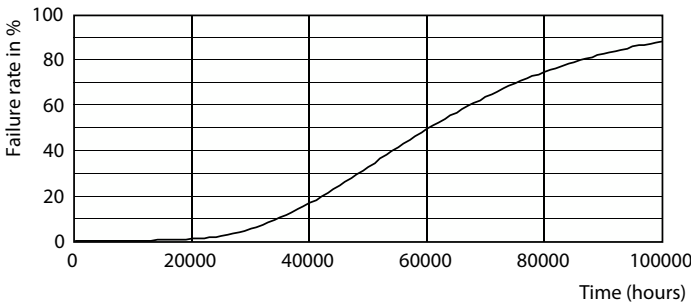
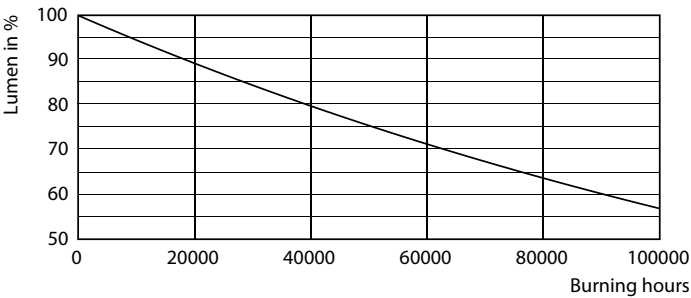
LifetimeVsTc



FailureRate

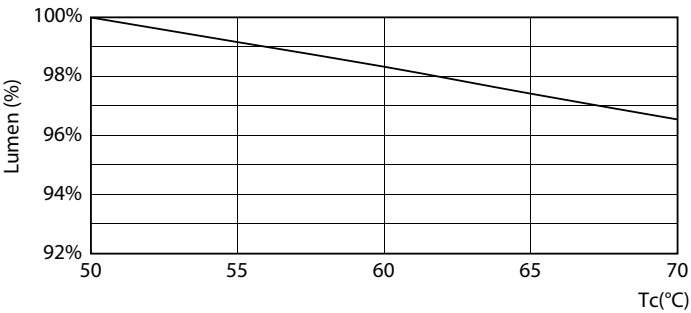
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## Levensduur



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 830 T5

Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 830 T5

