



# LED tube Connected EM/Mains T8



## LEDtube Connected IA 600mm 7.6W865 T8

Connected, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 7.6 W, 18W TL-D, 6500 K, 1150 lm, CRI 80, 75000 hour(s)

Philips LEDtube Connected - smart retrofit LED T8 lamps that give you an easy and seamless way to upgrade to connected lighting. These Interact Ready LED tubes can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy additional benefits such as remote control or a management dashboard, you can simply keep the lamps you currently have installed and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

### Product data

| General Information        |                       |
|----------------------------|-----------------------|
| Cap-Base                   | G13 Rotatable end-cap |
| Nominal lifetime           | 75,000 hour(s)        |
| Switching Cycle            | 200,000               |
| Lighting Technology        | LEDtube               |
| Flux measurement reference | Sphere                |
| Warranty period            | 5 years               |

| Light Technical   |                    |
|-------------------|--------------------|
| Color Code        | 865 [CCT of 6500K] |
| Beam Angle (Nom)  | 160 degree(s)      |
| Luminous Flux     | 1,150 lm           |
| Color Designation | Cool Daylight      |

|  |          |
|--|----------|
| Correlated Color Temperature (Nom)           | 6500 K   |
| Luminous Efficacy (rated) (Nom)              | 151 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      |

| Sustainability Data               |        |
|-----------------------------------|--------|
| Product non-virgin material ratio | 9.63 % |

| Operating and Electrical |             |
|--------------------------|-------------|
| Input Frequency          | 50 to 60 Hz |
| Power Consumption        | 7.6 W       |

## LED tube Connected EM/Mains T8

|  |           |
|--|-----------|
| Lamp Current (Nom)   | 36 mA     |
| Starting Time (Nom)  | 1 s       |
| Warm-up time to 60% light  | 0.5 s     |
| Power Factor (Fraction)  | 0.9       |
| Voltage (Nom)  | 220-240 V |
| LED alternative to fluorescent lamp power                                    | 18W TL-D  |
| Inrush current at mains  | 5.07      |
| Max. lamp no. on MCB B type 10A – Mains                                      | 235       |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 235       |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.    | 22        |
| Max. lamp no. on MCB B type 16A – Mains                                      | 376       |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 376       |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.    | 36        |
| Ballast Compatibility  | EM/Mains  |

### Temperature

|                      |       |
|----------------------|-------|
| T-Case Maximum (Nom) | 50 °C |
|----------------------|-------|

### Controls and Dimming

|              |                |
|--------------|----------------|
| Dimmable     | Wireless Dim   |
| Connectivity | Interact Ready |

### Mechanical and Housing

|                    |          |
|--------------------|----------|
| Bulb Finish        | Frosted  |
| Bulb Material      | Plastic  |
| Product Length     | 600 mm   |
| Bulb Shape         | T8       |
| Net Weight (Piece) | 0.150 kg |

### Approval and Application

|   |  |
|---|--|
| Energy Efficiency Class   | D  |
| Energy Saving Product   | Yes  |
| Approval Marks  | RoHS compliance CE marking<br>KEMA Keur certificate ENEC certificate |
| Energy Consumption kWh/1000 h                                   | 8 kWh  |
| EPREL Registration Number                                       | 2301312  |
| CE mark   | Yes  |
| EU RoHS compliant   | Yes  |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1  |
| Stroboscopic effect visibility measure (SVM)                    | 0.4  |
| Ambient temperature range                                       | -20 to +45 °C  |

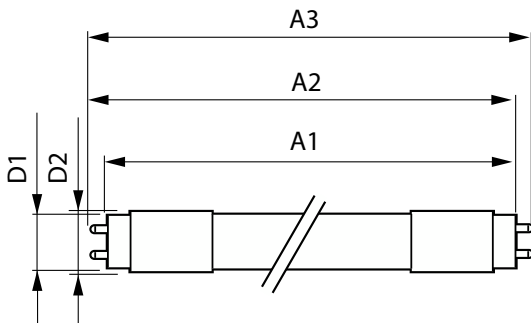
### Application Conditions

|                                     |     |
|-------------------------------------|-----|
| can it be used in closed luminaires | Yes |
|-------------------------------------|-----|

### Product Data

|                                 |  |
|---------------------------------|--|
| Order product name              | LEDtube Connected IA 600mm<br>7.6W865 T8 |
| Full product name               | LEDtube Connected IA 600mm<br>7.6W865 T8 |
| Full product code               | 872110306311300                          |
| Order code                      | 929004270602                             |
| Material Nr. (12NC)             | 929004270602                             |
| Numerator - Quantity Per Pack   | 1  |
| EAN/UPC - Product/Case          | 8721103063113                            |
| Numerator - Packs per outer box | 10                                       |
| EAN/UPC - Case                  | 8721103063120                            |

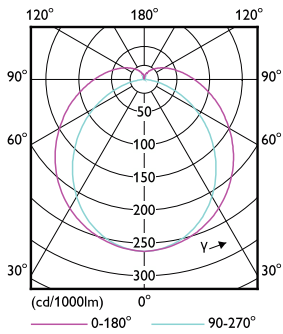
## Dimensional drawing



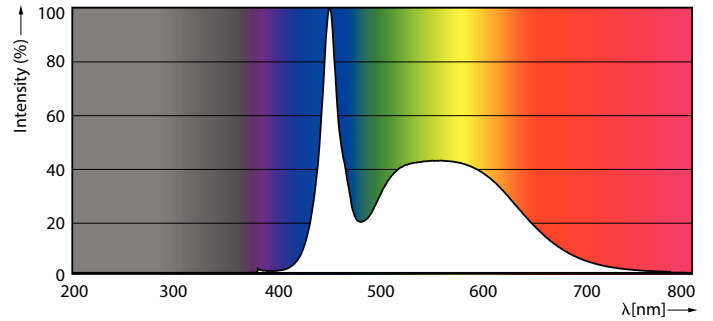
| Product                                  | D1      | D2    | A1       | A2       | A3     |
|--|---------|-------|----------|----------|--------|
| LEDtube Connected IA 600mm<br>7.6W865 T8 | 25.7 mm | 28 mm | 589.8 mm | 596.9 mm | 604 mm |

# LED tube Connected EM/Mains T8

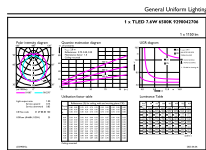
## Photometric data



Light Distribution Diagram - LEDtube Connected IA 600mm 7.6W865 T8



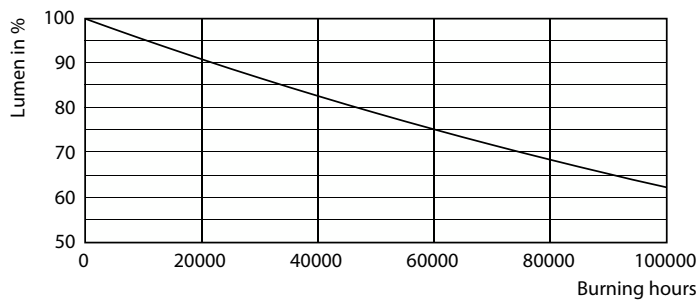
Spectral Power Distribution Colour - LEDtube Connected IA 600mm 7.6W865 T8



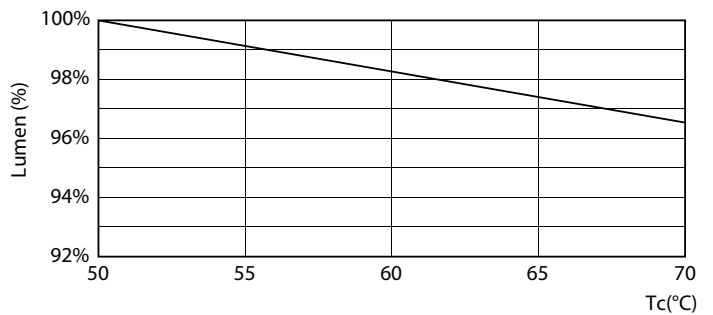
General Uniform Lighting - LEDtube Connected IA 600mm 7.6W865 T8

General uniform lighting - LEDtube Connected IA 600mm 7.6W865 T8

## Lifetime



Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W865 T8



Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W865 T8

# LED tube Connected EM/Mains T8

## Lifetime



LEDtube-75K-5070-FailureRate-LED

Life Expectancy Diagram



LifetimeVsTc

