PHILIPS

Lighting

# LED tube Connected EM/Mains T8

## LEDtube Connected IA 600mm 7.6W840 T8

Connected, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 7.6 W, 18W TL-D, 4000 K, 1150 lm, CRI 80, 75000 hour(s)

Connected, LEDtube, T8, EM/Mains, 600 mm, 220-240 V, 7.6 W, LED alternative to 18W TL-D, 4000 K, 1150 lm, CRI 80, 75000 hour(s), 151 lm/W, EEL D, G13 Rotatable end-cap, Beam angle 160 degree(s), Plastic, 600 mm, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

### 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** | 840 [CCT of 4000K] |
| **Beam Angle (Nom)** | 160 degree(s) |
| **Luminous Flux** | 1,150 lm |
| **Color Designation** | Cool White (CW) |
| **Correlated Color Temperature (Nom)** | 4000 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 |

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

# LED tube Connected EM/Mains T8

| | |
|---|---|
| **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 KEMA Keur certificate ENEC certificate |
| **Energy Consumption kWh/1000 h** | 8 kWh |

| | |
|---|---|
| **EPREL Registration Number** | 2301309 |
| **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 |
| **Wireless Technology** | Not applicable |

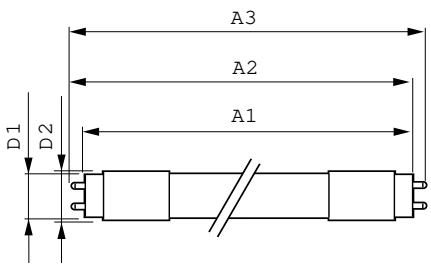
### Sustainability Data

| | |
|---|---|
| **Product non-virgin material ratio** | 9.63 % |

### Product Data

| | |
|---|---|
| **Order product name** | LEDtube Connected IA 600mm 7.6W840 T8 |
| **Full product name** | LEDtube Connected IA 600mm 7.6W840 T8 |
| **Full product code** | 872110306309000 |
| **Order code** | 929004270502 |
| **Material Nr. (12NC)** | 929004270502 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8721103063090 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 8721103063106 |

## Dimensional drawing

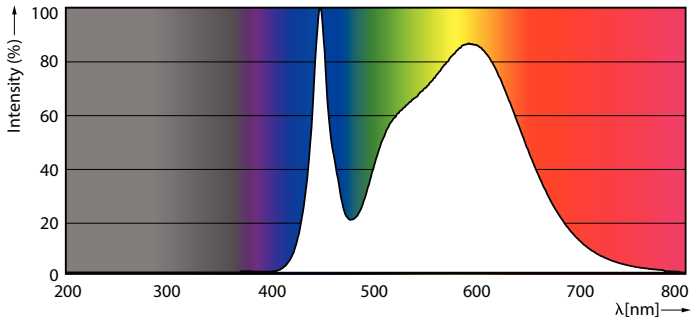



| D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|
| 25.7mm | 28mm | 589.8mm | 596.9mm | 604mm |

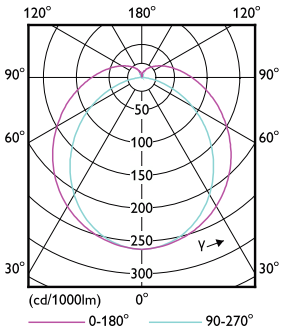
| Product | D1 | D2 | A1 | A2 | A3 |
|---|---|---|---|---|---|
| LEDtube Connected IA 600mm 7.6W840 T8 | 25.7 mm | 28 mm | 589.8 mm | 596.9 mm | 604 mm |

# LED tube Connected EM/Mains T8

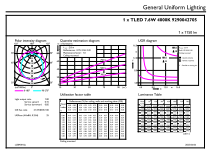
## Photometric data




Spectral Power Distribution Colour - LEDtube Connected IA 600mm 7.6W840 T8



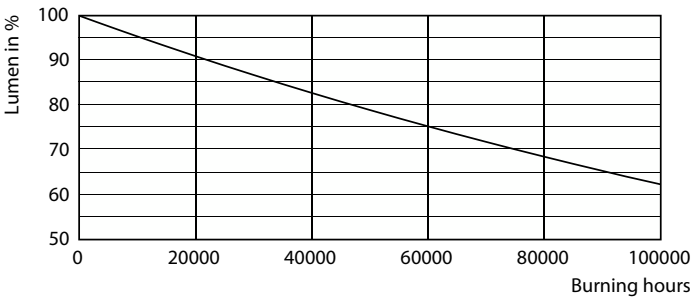

Light Distribution Diagram - LEDtube Connected IA 600mm 7.6W840 T8



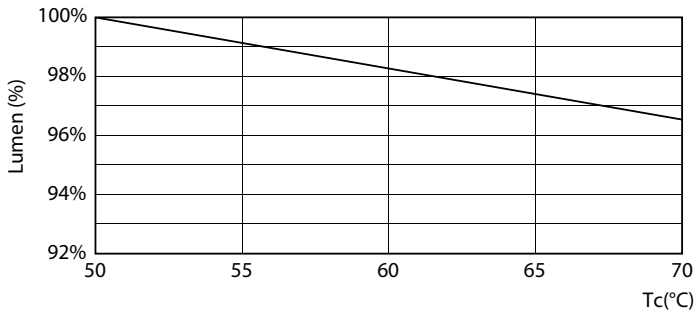


General uniform lighting - LEDtube Connected IA 600mm 7.6W840 T8

## Lifetime



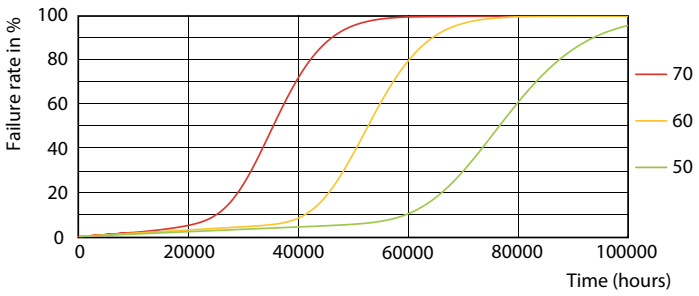

Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W840 T8



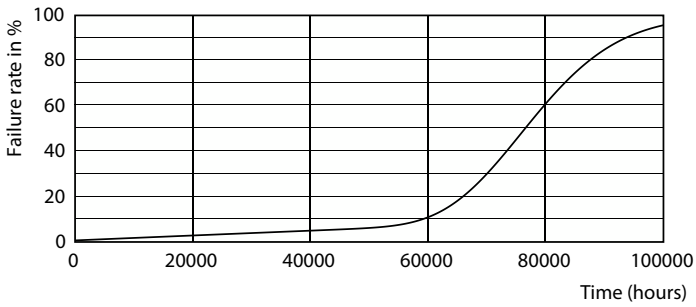

Lumen Maintenance Diagram - LEDtube Connected IA 600mm 7.6W840 T8

# LED tube Connected EM/Mains T8

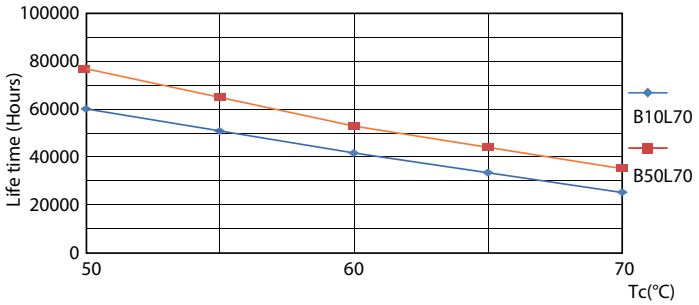
## Lifetime




LEDtube-75K-5070-FailureRate-LED




Life Expectancy Diagram




LifetimeVsTc

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