



# For an optimum combination of value and performance

## MASTER Value LEDtube T8

A high-performance LED solution, the professional MASTER Value LED tube is ideal for replacing T8 fluorescent lamps using EM ballast or installing directly on the mains. This product provides an optimal combination of value and performance – for use in all general lighting, office, industry, retail, and hospitality applications. The unique design of this LED T8 tube light offers wide compatibility, safety and fast installation, as well as instant energy savings.

### Benefits

- An easy retrofit that is easy to install
- Trusted performance and excellent value
- One for all solution: fits a wide range of applications

### Features

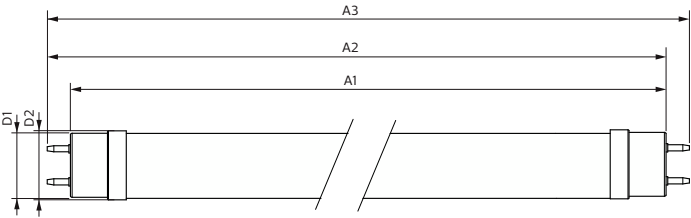
- Retrofit for existing T8 lamps on EM ballast or mains
- > 50% energy savings compared to fluorescent tubes with up to 160lm/W
- Extra-long lifetime up to 60,000 hours
- Enable implementation of HACCP, supported by product level NSF certificate
- No mercury

### Application

- Office
- Retail
- Industrial Buildings & Warehouses
- Parking

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## Dimensional drawing



| Product                                | D1      | D2    | A1         | A2         | A3         |
|----------------------------------------|---------|-------|------------|------------|------------|
| MAS LEDtube VLE 1200mm HO 14W 830 T8   | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1200mm HO 14W 840 T8   | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1200mm HO 14W 865 T8   | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1200mm UO 15.5W 830 T8 | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1200mm UO 15.5W 840 T8 | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1200mm UO 15.5W 865 T8 | 25.8 mm | 28 mm | 1,198.2 mm | 1,205.3 mm | 1,212.4 mm |
| MAS LEDtube VLE 1500mm HO 20.5W 830 T8 | 25.8 mm | 28 mm | 1,498.7 mm | 1,505.8 mm | 1,512.9 mm |
| MAS LEDtube VLE 1500mm HO 20.5W 840 T8 | 25.8 mm | 28 mm | 1,498.8 mm | 1,505.9 mm | 1,513 mm   |
| MAS LEDtube VLE 1500mm HO 20.5W 865 T8 | 25.8 mm | 28 mm | 1,498.7 mm | 1,505.8 mm | 1,512.9 mm |
| MAS LEDtube VLE 1500mm UO 23W 830 T8   | 25.8 mm | 28 mm | 1,498.8 mm | 1,505.9 mm | 1,513 mm   |
| MAS LEDtube VLE 1500mm UO 23W 840 T8   | 25.8 mm | 28 mm | 1,498.8 mm | 1,505.9 mm | 1,513 mm   |
| MAS LEDtube VLE 1500mm UO 23W 865 T8   | 25.8 mm | 28 mm | 1,498.8 mm | 1,505.9 mm | 1,513 mm   |
| MAS LEDtube VLE 600mm HO 8W 830 T8     | 25.8 mm | 28 mm | 588.5 mm   | 595.5 mm   | 602.5 mm   |
| MAS LEDtube VLE 600mm HO 8W 840 T8     | 25.8 mm | 28 mm | 588.6 mm   | 595.7 mm   | 602.8 mm   |
| MAS LEDtube VLE 600mm HO 8W 865 T8     | 25.8 mm | 28 mm | 588.5 mm   | 595.5 mm   | 602.5 mm   |

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| General Information                   |                 |
|---------------------------------------|-----------------|
| Cap-Base                              | G13             |
| Switching Cycle                       | 200,000         |
| Nominal lifetime                      | 60,000 hour(s)  |
| Light Technical                       |                 |
| Beam Angle (Nom)                      | 190 degree(s)   |
| Color rendering index (CRI)           | 80              |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %            |
| Operating and Electrical              |                 |
| Input Frequency                       | 50 to 60 Hz     |
| Line Frequency                        | 50 to 60 Hz     |
| Starting Time (Nom)                   | 0.5 s           |
| Controls and Dimming                  |                 |
| Dimmable                              | No              |
| Mechanical and Housing                |                 |
| Bulb Finish                           | Frosted         |
| Bulb Shape                            | T8              |
| Approval and Application              |                 |
| Ambient temperature range             | -20 °C to 45 °C |

Light Technical

| Order Code | Full Product Name                         | Correlated Color Temperature (Nom) | Color Code | Luminous Flux |
|------------|-------------------------------------------|------------------------------------|------------|---------------|
| 64679000   | MASTER LEDtube VLE 600mm HO 8W 830 T8     | 3000 K                             | 830        | 1,000 lm      |
| 64681300   | MASTER LEDtube VLE 600mm HO 8W 840 T8     | 4000 K                             | 840        | 1,050 lm      |
| 64683700   | MASTER LEDtube VLE 600mm HO 8W 865 T8     | 6500 K                             | 865        | 1,050 lm      |
| 64691200   | MASTER LEDtube VLE 1500mm HO 20.5W 830 T8 | 3000 K                             | 830        | 2,900 lm      |
| 64693600   | MASTER LEDtube VLE 1500mm HO 20.5W 840 T8 | 4000 K                             | 840        | 3,100 lm      |
| 64695000   | MASTER LEDtube VLE 1500mm HO 20.5W 865 T8 | 6500 K                             | 865        | 3,100 lm      |
| 64685100   | MASTER LEDtube VLE 1200mm HO 14W 830 T8   | 3000 K                             | 830        | 2,000 lm      |
| 64687500   | MASTER LEDtube VLE 1200mm HO 14W 840 T8   | 4000 K                             | 840        | 2,100 lm      |
| 64689900   | MASTER LEDtube VLE 1200mm HO 14W 865 T8   | 6500 K                             | 865        | 2,100 lm      |
| 31680500   | MASTER LEDtube VLE 1200mm UO 15.5W 830 T8 | 3000 K                             | 830        | 2,300 lm      |
| 31682900   | MASTER LEDtube VLE 1200mm UO 15.5W 840 T8 | 4000 K                             | 840        | 2,500 lm      |
| 31684300   | MASTER LEDtube VLE 1200mm UO 15.5W 865 T8 | 6500 K                             | 865        | 2,500 lm      |
| 31686700   | MASTER LEDtube VLE 1500mm UO 23W 830 T8   | 3000 K                             | 830        | 3,400 lm      |
| 31688100   | MASTER LEDtube VLE 1500mm UO 23W 840 T8   | 4000 K                             | 840        | 3,700 lm      |
| 31690400   | MASTER LEDtube VLE 1500mm UO 23W 865 T8   | 6500 K                             | 865        | 3,700 lm      |

Operating and Electrical

| Order Code | Full Product Name                         | Power Consumption |
|------------|-------------------------------------------|-------------------|
| 64679000   | MASTER LEDtube VLE 600mm HO 8W 830 T8     | 8 W               |
| 64681300   | MASTER LEDtube VLE 600mm HO 8W 840 T8     | 8 W               |
| 64683700   | MASTER LEDtube VLE 600mm HO 8W 865 T8     | 8 W               |
| 64691200   | MASTER LEDtube VLE 1500mm HO 20.5W 830 T8 | 20.5 W            |
| 64693600   | MASTER LEDtube VLE 1500mm HO 20.5W 840 T8 | 20.5 W            |
| 64695000   | MASTER LEDtube VLE 1500mm HO 20.5W 865 T8 | 20.5 W            |
| 64685100   | MASTER LEDtube VLE 1200mm HO 14W 830 T8   | 14 W              |
| 64687500   | MASTER LEDtube VLE 1200mm HO 14W 840 T8   | 14 W              |

| Order Code | Full Product Name                         | Power Consumption |
|------------|-------------------------------------------|-------------------|
| 64689900   | MASTER LEDtube VLE 1200mm HO 14W 865 T8   | 14 W              |
| 31680500   | MASTER LEDtube VLE 1200mm UO 15.5W 830 T8 | 15.5 W            |
| 31682900   | MASTER LEDtube VLE 1200mm UO 15.5W 840 T8 | 15.5 W            |
| 31684300   | MASTER LEDtube VLE 1200mm UO 15.5W 865 T8 | 15.5 W            |
| 31686700   | MASTER LEDtube VLE 1500mm UO 23W 830 T8   | 23 W              |
| 31688100   | MASTER LEDtube VLE 1500mm UO 23W 840 T8   | 23 W              |
| 31690400   | MASTER LEDtube VLE 1500mm UO 23W 865 T8   | 23 W              |

Temperature

| Order Code | Full Product Name                     | T-Case Maximum (Nom) |
|------------|---------------------------------------|----------------------|
| 64679000   | MASTER LEDtube VLE 600mm HO 8W 830 T8 | 55 °C                |
| 64681300   | MASTER LEDtube VLE 600mm HO 8W 840 T8 | 55 °C                |

| Order Code | Full Product Name                         | T-Case Maximum (Nom) |
|------------|-------------------------------------------|----------------------|
| 64683700   | MASTER LEDtube VLE 600mm HO 8W 865 T8     | 55 °C                |
| 64691200   | MASTER LEDtube VLE 1500mm HO 20.5W 830 T8 | 65 °C                |

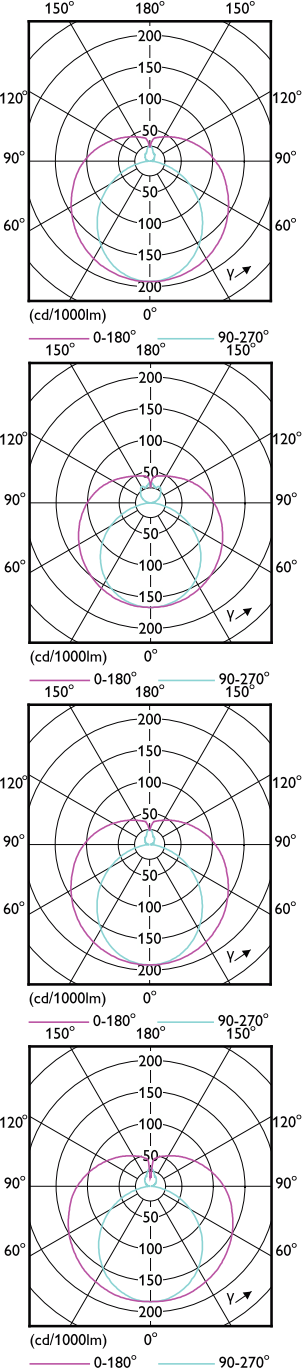
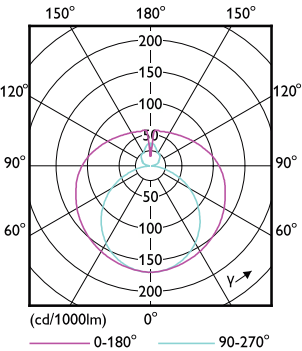
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| Order Code | Full Product Name                         | T-Case Maximum (Nom) |
|------------|-------------------------------------------|----------------------|
| 64693600   | MASTER LEDtube VLE 1500mm HO 20.5W 840 T8 | 65 °C                |
| 64695000   | MASTER LEDtube VLE 1500mm HO 20.5W 865 T8 | 65 °C                |
| 64685100   | MASTER LEDtube VLE 1200mm HO 14W 830 T8   | 60 °C                |
| 64687500   | MASTER LEDtube VLE 1200mm HO 14W 840 T8   | 60 °C                |
| 64689900   | MASTER LEDtube VLE 1200mm HO 14W 865 T8   | 60 °C                |
| 31680500   | MASTER LEDtube VLE 1200mm UO 15.5W 830 T8 | 60 °C                |

| Order Code | Full Product Name                         | T-Case Maximum (Nom) |
|------------|-------------------------------------------|----------------------|
| 31682900   | MASTER LEDtube VLE 1200mm UO 15.5W 840 T8 | 60 °C                |
| 31684300   | MASTER LEDtube VLE 1200mm UO 15.5W 865 T8 | 60 °C                |
| 31686700   | MASTER LEDtube VLE 1500mm UO 23W 830 T8   | 65 °C                |
| 31688100   | MASTER LEDtube VLE 1500mm UO 23W 840 T8   | 65 °C                |
| 31690400   | MASTER LEDtube VLE 1500mm UO 23W 865 T8   | 65 °C                |

Approval and Application

| Order Code | Full Product Name                         | Energy Consumption kWh/1000 h |
|------------|-------------------------------------------|-------------------------------|
| 64679000   | MASTER LEDtube VLE 600mm HO 8W 830 T8     | 8 kWh                         |
| 64681300   | MASTER LEDtube VLE 600mm HO 8W 840 T8     | 8 kWh                         |
| 64683700   | MASTER LEDtube VLE 600mm HO 8W 865 T8     | 8 kWh                         |
| 64691200   | MASTER LEDtube VLE 1500mm HO 20.5W 830 T8 | 21 kWh                        |
| 64693600   | MASTER LEDtube VLE 1500mm HO 20.5W 840 T8 | 21 kWh                        |
| 64695000   | MASTER LEDtube VLE 1500mm HO 20.5W 865 T8 | 21 kWh                        |
| 64685100   | MASTER LEDtube VLE 1200mm HO 14W 830 T8   | 14 kWh                        |
| 64687500   | MASTER LEDtube VLE 1200mm HO 14W 840 T8   | 14 kWh                        |
| 64689900   | MASTER LEDtube VLE 1200mm HO 14W 865 T8   | 14 kWh                        |
| 31680500   | MASTER LEDtube VLE 1200mm UO 15.5W 830 T8 | 16 kWh                        |
| 31682900   | MASTER LEDtube VLE 1200mm UO 15.5W 840 T8 | 16 kWh                        |
| 31684300   | MASTER LEDtube VLE 1200mm UO 15.5W 865 T8 | 16 kWh                        |
| 31686700   | MASTER LEDtube VLE 1500mm UO 23W 830 T8   | 23 kWh                        |
| 31688100   | MASTER LEDtube VLE 1500mm UO 23W 840 T8   | 23 kWh                        |
| 31690400   | MASTER LEDtube VLE 1500mm UO 23W 865 T8   | 23 kWh                        |



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