

LED T5 HE ECG

8W/12W/16W/20W

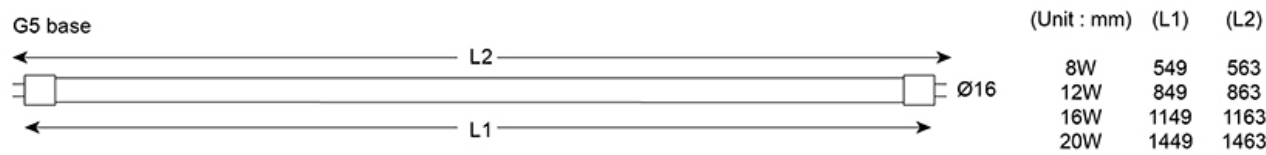
Features

- Energy saving with low power consumption
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Full glass body
- Good color rendition, Ra ≥80

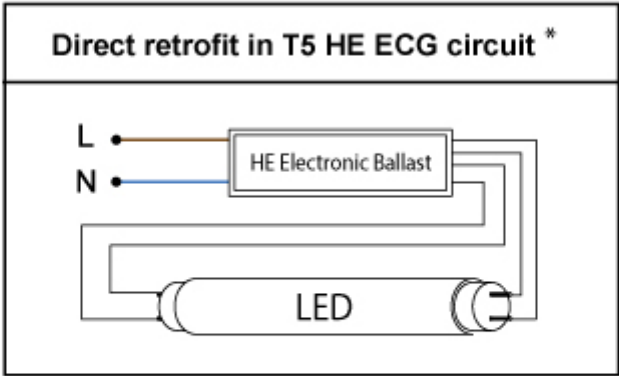


Diagrams

Dimensions:



Circuits:

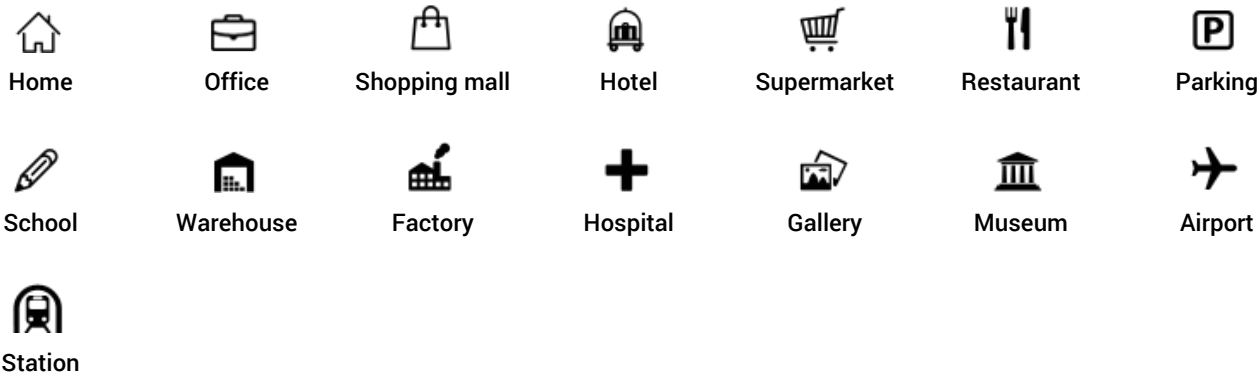


- \* Comply to EN62776
- Suitable for direct retrofit to 1x, 2x HE electronic ballast.
  - Compatible with T5 Fluorescent Emergency Kit.
  - Compatibility with 3x, 4x T5 fluo. HE electronic ballast depending on brand/model.

Standards



Applications



| Technical Data                            |      |
|-------------------------------------------|------|
| Type of Light Source                      |      |
| Lighting Technology Used                  | LED  |
| Non-directional or Directional [NDLS/DLS] | NDLS |
| Mains or Non-mains [MLS/NMLS]             | NMLS |

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Connected Light Source                    | No                                                     |
| Color tunable light source                | No                                                     |
| Envelop [No/Second/Non-Clear]             | No                                                     |
| High Luminance Light Source               | No                                                     |
| Anti-glare Shield                         | No                                                     |
| Electrical                                |                                                        |
| Rated Wattage [W]                         | 8W / 12W / 16W / 20W                                   |
| On-mode Power [W]                         | 8W / 12W / 16W / 20W                                   |
| Standby Power [W]                         | N/A                                                    |
| Networked Standby Power [W]               | N/A                                                    |
| Rated Voltage [V/Hz]                      | N/A                                                    |
| Power Factor @230V                        | 0.95                                                   |
| Input Current [mA] @230V                  | 37 / 55 / 73 / 92                                      |
| Model                                     |                                                        |
| LED F8T5/E/8XX/600                        | 8W                                                     |
| LED F12T5/E/8XX/900                       | 12W                                                    |
| LED F16T5/E/8XX/1200                      | 16W                                                    |
| LED F20T5/E/8XX/1500                      | 20W                                                    |
| Luminous Flux [lm]                        |                                                        |
| 8W                                        | 920lm @3000K                                           |
|                                           | 940lm @4000K                                           |
|                                           | 960lm @6500K                                           |
| 12W                                       | 1380lm @3000K                                          |
|                                           | 1410lm @4000K                                          |
|                                           | 1440lm @6500K                                          |
| 16W                                       | 1840lm @3000K                                          |
|                                           | 1880lm @4000K                                          |
|                                           | 1920lm @6500K                                          |
| 20W                                       | 2300lm @3000K                                          |
|                                           | 2350lm @4000K                                          |
|                                           | 2400lm @6500K                                          |
| Performance                               |                                                        |
| SDCM                                      | <6                                                     |
| Chromaticity coordinates [x, y]           | 0.44,0.403@3000K / 0.38,0.38@4000K / 0.312,0.335@6500K |
| Efficacy [lm/W]                           | 115-120                                                |
| Color Rendering Index [Ra]                | ≥80                                                    |
| R9 colour rendering index value           | 2                                                      |
| Beam Angle [°]                            | 270                                                    |
| Rated Life, Ta@25°C [hrs]                 | 40,000                                                 |
| Survival Factor                           | 0.9                                                    |
| Lumen Maintenance Factor                  | 0.96                                                   |
| Number of Switching Cycles Before Failure | >15,000                                                |
| Starting Time [S]                         | <0.5                                                   |
| Warm Up Time [S]                          | <2                                                     |

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|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Premature Failure At 1000hrs                 | <5%                                        |
| Displacement Factor [cosØ]                   | N/A                                        |
| Flicker Metric [Pst LM]                      | N/A                                        |
| Stroboscopic Effect Metric [SVM]             | N/A                                        |
| Mechanical                                   |                                            |
| Diameter D [mm]                              | Φ16                                        |
| Length L1 [mm]                               | 549 / 849 / 1149 / 1449                    |
| Length L2 [mm]                               | 563 / 863 / 1163 / 1463                    |
| Base                                         | G5                                         |
| Material                                     | Glass                                      |
| Standard Compliance                          |                                            |
| CE-LVD                                       | EN62776                                    |
| CE-EMC                                       | EN55015, EN61547, EN61000-3-2, EN61000-3-3 |
| CE-EMF                                       | EN62493                                    |
| Environment                                  | RoHS                                       |
| Mercury Content [mg]                         | 0.0                                        |
| Energy Class                                 | 3000K / 4000K / 6500K                      |
| 8W / 12W / 16W / 20W                         | F / F / E                                  |
| Other                                        |                                            |
| Dimmable [Yes/Only with specific dimmers/No] | No                                         |
| Operation Temperature                        | -20°C ~ 50°C                               |
| Storage Temperature                          | -10°C ~ 30°C                               |
| Claim of Equivalent Power, 8W [W]            | 14W                                        |
| Claim of Equivalent Power, 12W [W]           | 21W                                        |
| Claim of Equivalent Power, 16W [W]           | 28W                                        |
| Claim of Equivalent Power, 20W [W]           | 35W                                        |
| Energy Consumption in on-mode [kWh/1000h]    | 8kWh / 12kWh / 16kWh / 20kWh               |