

# LED T8 ECG

## 9W/14W/18W/24W

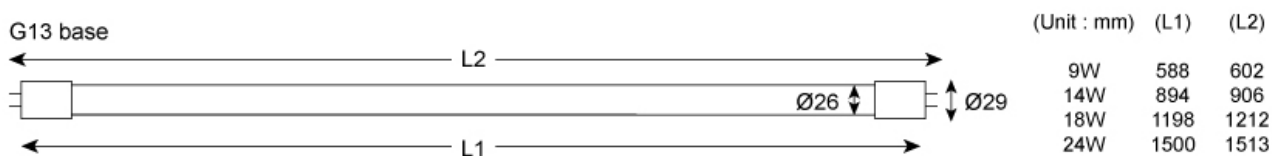
### Features

- Energy saving with low power consumption
- Perfect retrofit traditional lamps with no change on dimensions
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Direct retrofit for electronic ballast circuit
- Full glass body
- Good color rendition, Ra ≥80



### Diagrams

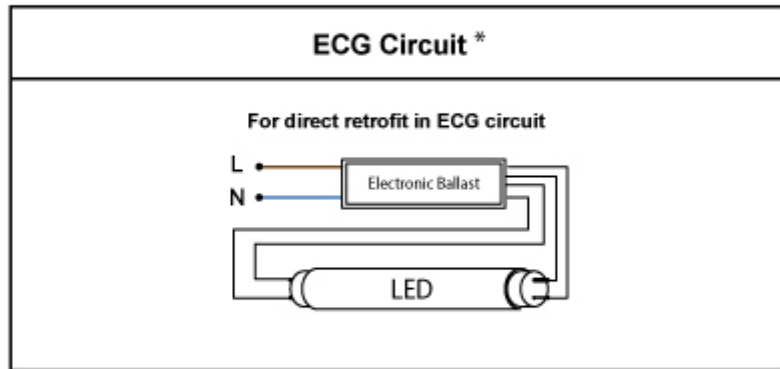
Dimensions:



Prosperity Lamps & Components Ltd.

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Circuit:



\* Comply to EN62776

## Standards



IP20



## Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant



Parking



School



Warehouse



Factory



Hospital



Gallery



Museum



Airport



Station

### Technical Data

#### Electrical

|                      |                      |
|----------------------|----------------------|
| Rated Wattage [W]    | 9W / 14W / 18W / 24W |
| Rated Voltage [V/Hz] | 220-240Vac, 50/60Hz  |
| Power Factor @230V   | 0.95                 |

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|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| Input Current [mA] @230V                  | 41 / 64 / 82 / 110                         |
| LED                                       | SMD 2835                                   |
| <b>Model</b>                              |                                            |
| LED F9T8/E/8XX/G/600                      | 9W                                         |
| LED F14T8/E/8XX/G/900                     | 14W                                        |
| LED F18T8/E/8XX/G/1200                    | 18W                                        |
| LED F24T8/E/8XX/G/1500                    | 24W                                        |
| <b>Luminous Flux [lm]</b>                 |                                            |
| 9W                                        | 1140lm @3000K                              |
|                                           | 1170lm @4000K                              |
|                                           | 1200lm @6500K                              |
| 14W                                       | 1750lm @3000K                              |
|                                           | 1800lm @4000K                              |
|                                           | 1850lm @6500K                              |
| 18W                                       | 2330lm @3000K                              |
|                                           | 2390lm @4000K                              |
|                                           | 2450lm @6500K                              |
| 24W                                       | 3040lm @3000K                              |
|                                           | 3120lm @4000K                              |
|                                           | 3200lm @6500K                              |
| <b>Performance</b>                        |                                            |
| SDCM                                      | <6                                         |
| Efficacy [lm/W]                           | 125-136                                    |
| Color Rendering Index [Ra]                | ≥80                                        |
| Beam Angle [°]                            | 280                                        |
| Rated Life, Ta@25°C [hrs]                 | 40,000                                     |
| Lamp Survival Factor at 6000hrs           | >0.9                                       |
| Lumen Maintenance at 6000hrs              | >0.8                                       |
| Number of Switching Cycles Before Failure | >15,000                                    |
| Starting Time [S]                         | <0.5                                       |
| Warm Up Time [S]                          | <2                                         |
| Premature Failure At 1000hrs              | <5%                                        |
| <b>Mechanical</b>                         |                                            |
| Diameter D [mm]                           | Φ29.5                                      |
| Length L [mm]                             | 600 / 900 / 1200 / 1500                    |
| Base                                      | G13                                        |
| Material                                  | Glass                                      |
| <b>Standard Compliance</b>                |                                            |
| 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                              | A+                                         |

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## Other

|                       |              |
|-----------------------|--------------|
| Dimmable [Y/N]        | N            |
| Operation Temperature | -20°C ~ 50°C |
| Storage Temperature   | -10°C ~ 30°C |