

LED T8 Global CC

13W/19W/31W/41W

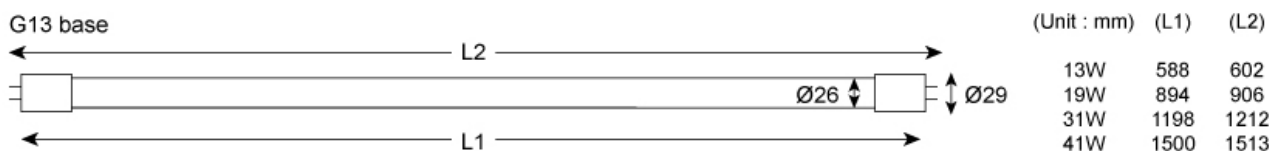
Features

- Two pins connection allows flexible wiring for light up and bi-directional tube installation
- Auto-correcting polarity protection
- 12 types of wiring combination in one tube
- External constant current driver (UL Type C)
- High efficacy up to 140lm/W
- Wattage and lumen can be adjusted by a driver with lower output current
- Suitable for LED emergency lighting
- Remote driver allows for superior heat dissipation performance and longer average lifetime
- Dimming and control system integration is possible based on selected driver model
- No mercury and hazardous substances
- Energy saving with low power consumption
- Smooth operation even at low temperatures
- Full glass body
- Good color rendition, Ra ≥80



Diagrams

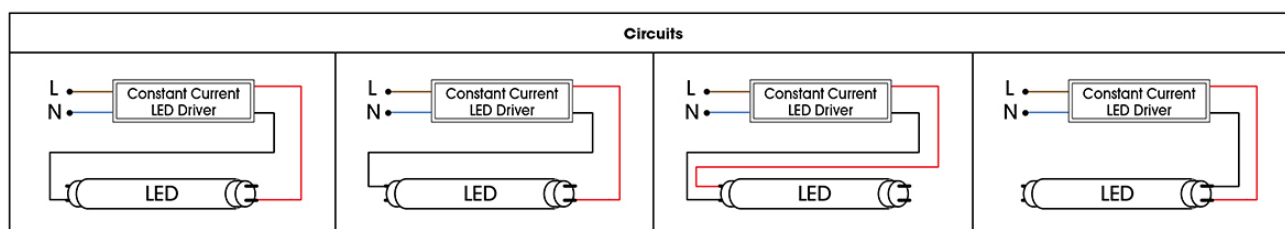
Dimensions:



Prosperity Lamps & Components Ltd.

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Circuits:



Standards



IP20

Applications



Home



Office



Shopping mall



Hotel



Supermarket



Restaurant



Parking



School



Warehouse



Factory



Hospital



Gallery



Museum



Airport



Station

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] 13W / 19W / 31W / 41W / 41W

On-mode Power [W] 13W / 19W / 31W / 41W / 41W

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Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	17-22V / 25-30V / 28-33V / 36-41V / 27-31V
Input Current [mA] @230V	700 / 700 / 1050 / 1050 / 1400
Model	
LED F13T8/8XX/G/CC/600	13W
LED F19T8/8XX/G/CC/900	19W
LED F31T8/8XX/G/CC/1200	31W
LED F41T8/8XX/G/CC/1500	41W
LED F41T8/8XX/G/CC/1500/2	41W
Luminous Flux [lm]	
13W	1755lm @3000K
	1820lm @4000K
	1820lm @5000K
	1820lm @6500K
19W	2565lm @3000K
	2660lm @4000K
	2660lm @5000K
	2660lm @6500K
31W	4185lm @3000K
	4340lm @4000K
	4340lm @5000K
	4340lm @6500K
41W	5535lm @3000K
	5740lm @4000K
	5740lm @5000K
	5740lm @6500K
Performance	
SDCM	<6
Chromaticity coordinates [x, y]	0.44, 0.403@3000K / 0.38, 0.38@4000K / 0.345, 0.356 @5000K / 0.312, 0.335@6500K
Efficacy [lm/W]	135-140
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	280
Rated Life, Ta@25°C [hrs]	50,000
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
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	N/A
Flicker Metric [Pst LM]	N/A

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Stroboscopic Effect Metric [SVM]	N/A
Mechanical	
Diameter D [mm]	Φ29
Length L [mm]	600 / 900 / 1200 / 1500
Base	G13
Material	Glass
Standard Compliance	
CE-LVD	EN60598-2-1, EN60598-1, EN62776, EN61347-2-13, EN61347-1, EN62493, EN62471, EN62031
CE-EMC	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Environment	RoHS
Mercury Content [mg]	0.0
Energy Class	E
Other	
Dimmable [Yes/Only with specific dimmers/No]	Y
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	13kWh / 19kWh / 31kWh / 41kWh