

LED T8 HO Type A / B / SE

8W/18W/22W

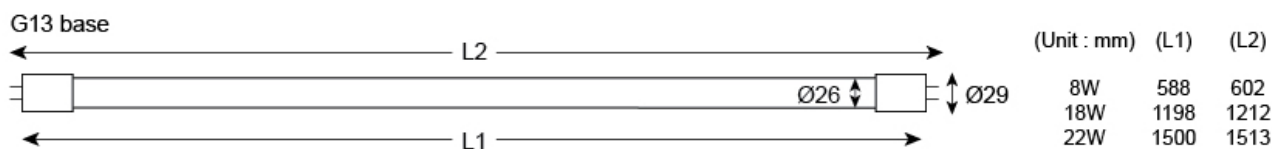
Features

- 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
- Type A/B is for direct retrofit of magnetic ballast circuit
- High efficacy up to 160lm/W
- Full glass body
- Voltage: 220-240Vac, 50/60Hz, Power Factor: 0.9
- Good color rendition, Ra ≥80

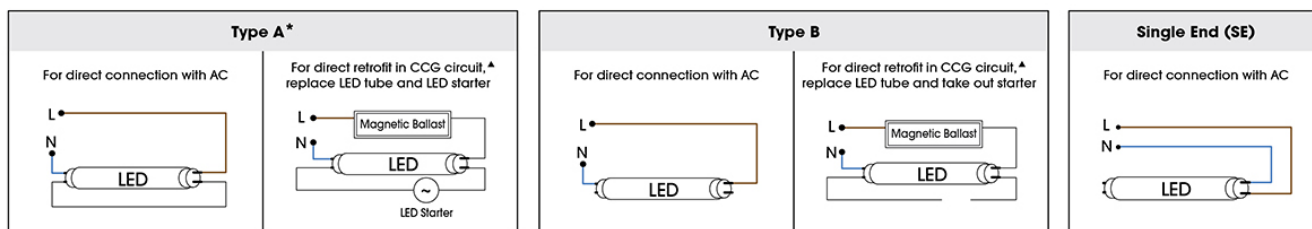


Diagrams

Dimensions:



Circuits:



* Comply to EN62776

▲ Recommend to remove the parallel capacitor (if any) to achieve HPF

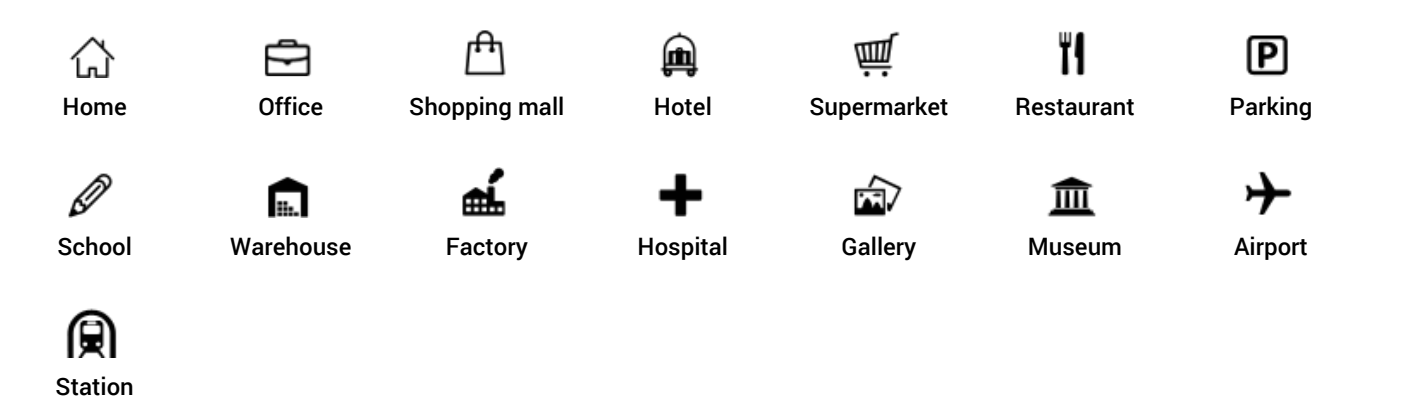
Prosperity Lamps & Components Ltd.

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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]	MLS
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 / 18W / 22W
On-mode Power [W]	8W / 18W / 22W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.85 / 0.9 / 0.9
Input Current [mA] @230V	41 / 87 / 106
Model	
LED F8T8/8XX/G/600/HO	8W
LED F18T8/8XX/G/1200/HO	18W
LED F22T8/8XX/G/1500/HO	22W

Luminous Flux [lm]	
8W	1200lm @3000K
	1280lm @4000K
	1280lm @6500K
18W	2780lm @3000K
	2880lm @4000K
	2880lm @6500K
22W	3420lm @3000K
	3520lm @4000K
	3520lm @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]	150-160
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	280
Rated Life, Ta@25°C [hrs]	40,000
Survival Factor	>0.9
Lumen Maintenance factor	>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%
Displacement Factor [cosØ]	0.5 / 0.7 / 0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	
Diameter D [mm]	Φ29
Length L1 [mm]	588 / 1198 / 1500
Length L2 [mm]	602 / 1212 / 1513
Base	G13
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	D / C / C
Other	
Dimmable [Yes/Only with specific dimmers/No]	N
Operation Temperature	-20°C ~ 50°C

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Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	8kWh / 18kWh / 22kWh