

LED T5 Global CC

4W/8W/12W/16W/20W/28W

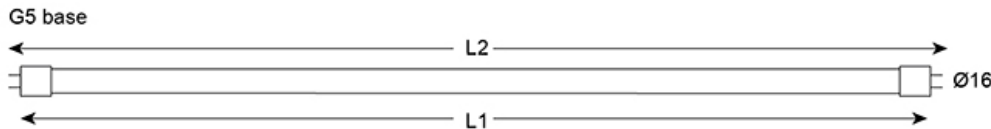
Features

- 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 150lm/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

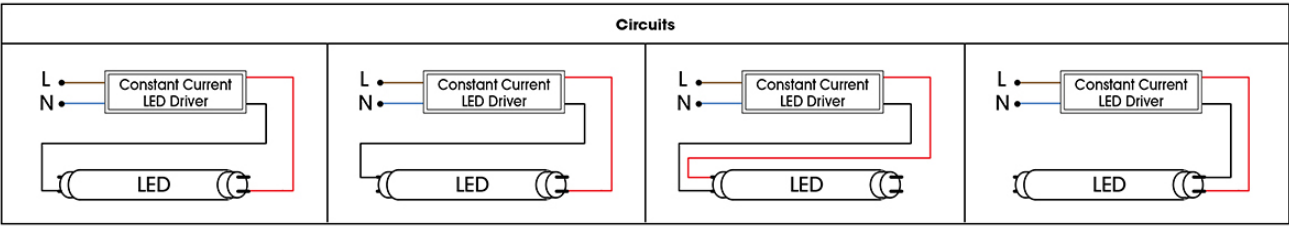
Dimensions:

		(Unit : mm)	(L1)	(L2)
	G5 base			
	L2	4W	288	302
		8W	549	563
		12W	849	863
		16W	1149	1163
	L1	20W	1449	1463
		28W	1449	1463

Prosperity Lamps & Components Ltd.

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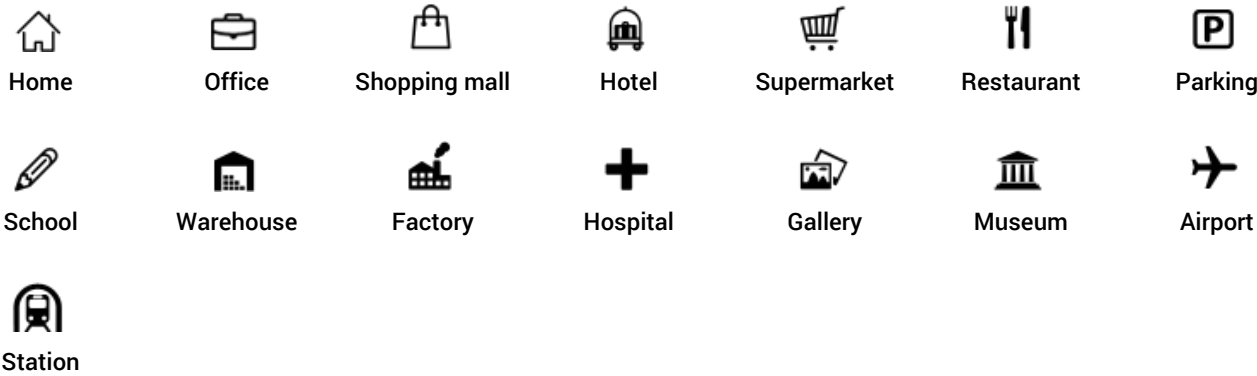
Circuits:



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]	4W / 8W / 12W / 16W / 20W / 28W
On-mode Power [W]	4W / 8W / 12W / 16W / 20W / 28W

Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	9-13V / 21-25V / 31-37V / 42-48V / 36-44V / 38-42V
Input Current [mA] @230V	350 / 350 / 350 / 350 / 500 / 700
Model	
LED F4T5/CC/8XX/300	4W
LED F8T5/CC/8XX/600	8W
LED F12T5/CC/8XX/900	12W
LED F16T5/CC/8XX/1200	16W
LED F20T5/CC/8XX/1500	20W
LED F28T5/CC/8XX/1500	28W
Luminous Flux [lm]	
4W	580lm @3000K
	590lm @4000K
	600lm @6500K
8W	1160lm @3000K
	1180lm @4000K
	1200lm @6500K
12W	1740lm @3000K
	1770lm @4000K
	1800lm @6500K
16W	2320lm @3000K
	2360lm @4000K
	2400lm @6500K
20W	2900lm @3000K
	2950lm @4000K
	3000lm @6500K
28W	4060lm @3000K
	4130lm @4000K
	4200lm @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]	145-150
Color Rendering Index [Ra]	≥80
R9 colour rendering index value	2
Beam Angle [°]	270
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

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Warm Up Time [S]	<2
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]	288 / 549 / 849 / 1149 / 1449 / 1449
Length L2 [mm]	302 / 563 / 863 / 1163 / 1463 / 1463
Base	G5
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	3000K / 4000K / 6500K
4W	E / D / D
8W	E / D / D
12W	E / D / D
16W	E / D / D
20W	E / D / D
28W	E / D / D
Other	
Dimmable [Yes/Only with specific dimmers/No]	Y
Operation Temperature	-20°C ~ 45°C
Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	4kWh / 8kWh / 12kWh / 16kWh / 20kWh / 28kWh