LED T5 AC HPF
8W/12W/14W/16W/20W/25W

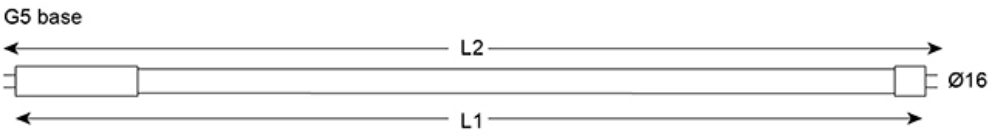
Features

· Energy saving with low power consumption
· High efficacy up to 150lm/W
· Smooth operation even at low temperatures
· No mercury and hazardous substances
· Full glass body
· Voltage: 100-277Vac, 50/60Hz, Power Factor: 0.9
· Good color rendition, Ra ≥80



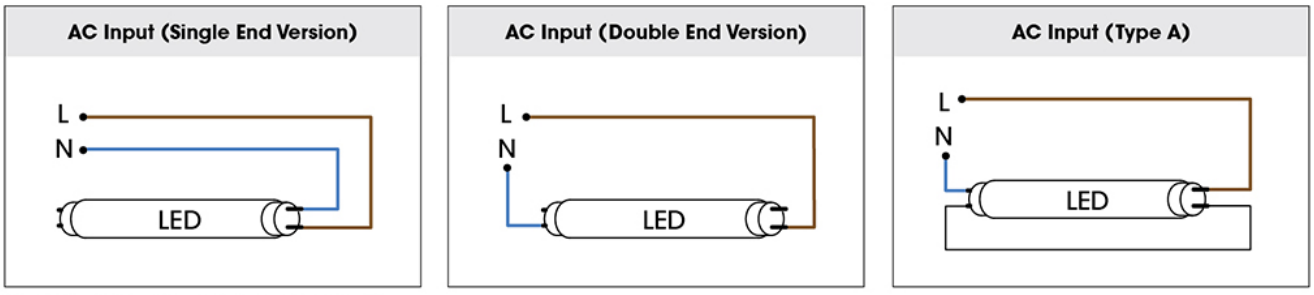
Diagrams

Dimensions:



(Unit : mm)	(L1)	(L2)
8W, 14W	549	563
12W, 20W	849	863
14W, 25W	1149	1163
20W, 25W	1449	1463

Circuits:



Direct 100 - 277Vac input. Integral LED driver

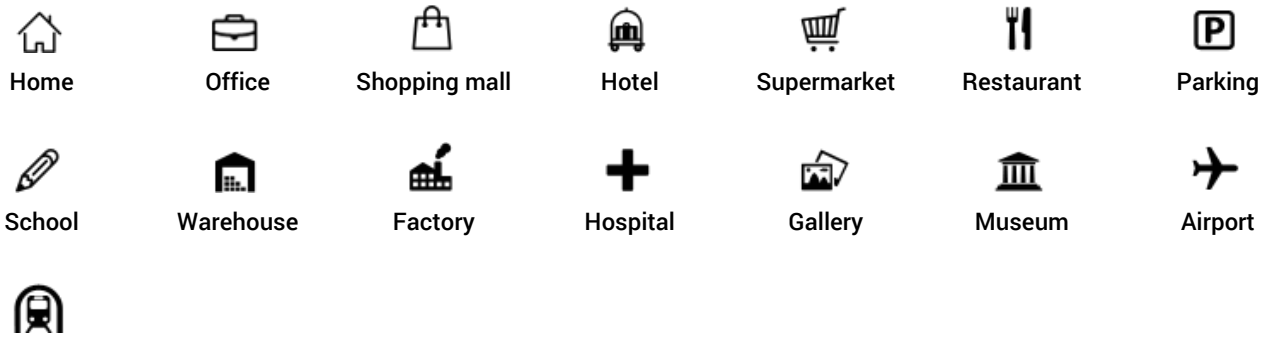
Prosperity Lamps & Components Ltd.
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Standards



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 / 12W / 14W / 16W / 20W / 25W
On-mode Power [W]	8W / 12W / 14W / 16W / 20W / 25W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	100-277Vac, 50/60Hz
Power Factor @230V	0.85 / 0.85 / 0.85 / 0.85 / 0.9 / 0.9
Input Current [mA] @230V	41 / 61 / 72 / 82 / 97 / 121
Model	
LED F8T5/AC/8XX/600/L	8W
LED F14T5/AC/8XX/600/L	14W
LED F12T5/AC/8XX/900/L	12W

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LED F20T5/AC/8XX/900/L	20W
LED F16T5/AC/8XX/1200/L	16W
LED F25T5/AC/8XX/1200/L	25W
LED F20T5/AC/8XX/1500/L	20W
LED F25T5/AC/8XX/1500/L	25W
Luminous Flux [lm]	
8W	1160lm @3000K
	1180lm @4000K
	1200lm @6500K
12W	1740lm @3000K
	1770lm @4000K
	1800lm @6500K
14W	2030lm @3000K
	2065lm @4000K
	2100lm @6500K
16W	2320lm @3000K
	2370lm @4000K
	2400lm @6500K
20W	2900lm @3000K
	2950lm @4000K
	3000lm @6500K
25W	3630lm @3000K
	3690lm @4000K
	3750lm @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]	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
Premature Failure At 1000hrs	<5%
Displacement Factor [cosØ]	0.5 - 0.9
Flicker Metric [Pst LM]	1
Stroboscopic Effect Metric [SVM]	0.4
Mechanical	

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Diameter D [mm]	Φ16
Length L1 [mm]	549 (8W,14W) / 849 (12W,20W) / 1149 (16W,25W) / 1449 (20W,25W)
Length L2 [mm]	563 (8W,14W) / 863 (12W,20W) / 1163 (16W,25W) / 1463 (20W,25W)
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	D
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-20°C ~ 45°C
Storage Temperature	-10°C ~ 30°C
Energy Consumption in on-mode [kWh/1000h]	8kWh / 12kWh / 14kWh / 16kWh / 20kWh / 25kWh

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