

LED T5 HE ECG

8W/12W/16W/20W

Features

- Energy saving with low power consumption
- Smooth operation even at low temperatures
- No mercury and hazardous substances
- Beam Angle : 270°
- Full glass body
- Good color rendition, Ra ≥80

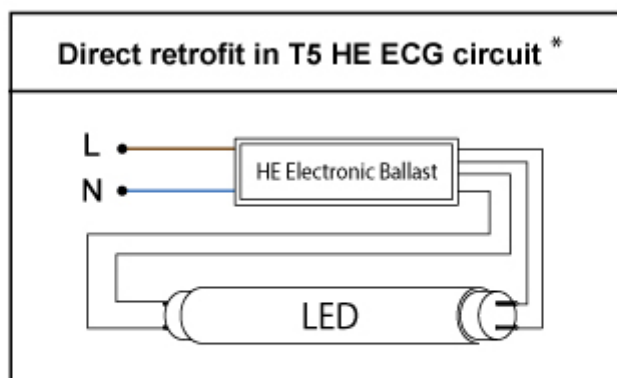


Diagrams

Dimensions:

		(Unit : mm)	(L1)	(L2)
	8W	549	563	
	12W	849	863	
	16W	1149	1163	
	20W	1449	1463	

Circuit:



* Comply to EN62776

- Suitable for direct retrofit to 1x, 2x HE electronic ballast.
- Compatible with T5 Fluorescent Emergency Kit.
- Compatibility with 3x, 4x T5 fluo. HE electronic ballast depending on brand/model.

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]	8W / 12W / 16W / 20W
Rated Voltage [V/Hz]	220-240Vac, 50/60Hz
Power Factor @230V	0.95

Prosperity Lamps & Components Ltd.

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Input Current [mA] @230V	37 / 55 / 73 / 92
LED	SMD 2835
Model	
LED F8T5/E/8XX/600	8W
LED F12T5/E/8XX/900	12W
LED F16T5/E/8XX/1200	16W
LED F20T5/E/8XX/1500	20W
Luminous Flux [lm]	
8W	880lm @3000K
	920lm @4000K
	960lm @6500K
12W	1320lm @3000K
	1380lm @4000K
	1440lm @6500K
16W	1760lm @3000K
	1840lm @4000K
	1920lm @6500K
20W	2200lm @3000K
	2300lm @4000K
	2400lm @6500K
Performance	
SDCM	<6
Efficacy [lm/W]	110-120
Color Rendering Index [Ra]	≥80
Beam Angle [°]	270
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%
Mechanical	
Diameter D [mm]	Φ16
Length L1 [mm]	549 / 849 / 1149 / 1449
Length L2 [mm]	563 / 863 / 1163 / 1463
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

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Energy Class	A+
Other	
Dimmable [Y/N]	N
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C