

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
- Full glass body
- Good color rendition, Ra ≥80

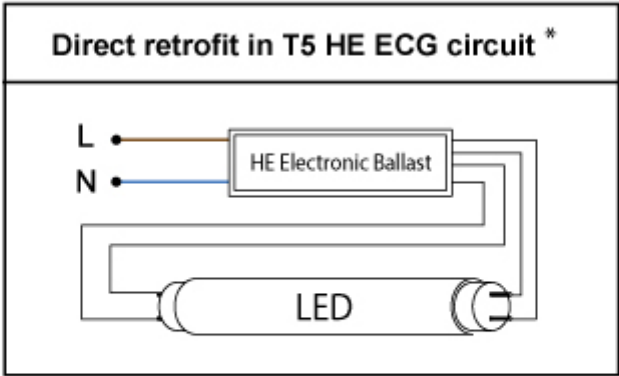


Diagrams

Dimensions:

		(Unit : mm)	(L1)	(L2)

Circuits:

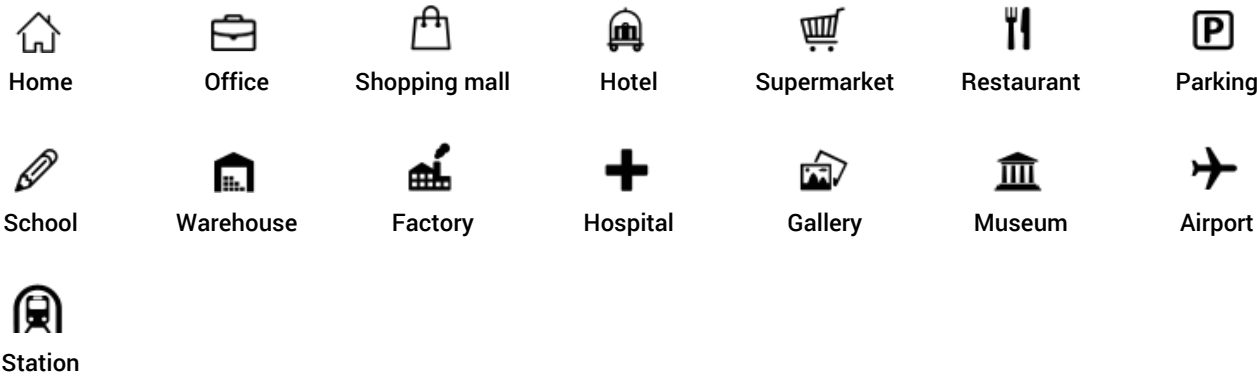


- * Comply to EN62776
- Suitable for direct retrofit to 1x, 2x HE electronic ballast.
 - Compatible with T5 Fluorescent Emergency Kit.
 - Compatibility with 3x, 4x T5 fluo. HE electronic ballast depending on brand/model.

Standards



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]	8W / 12W / 16W / 20W
On-mode Power [W]	8W / 12W / 16W / 20W
Standby Power [W]	N/A
Networked Standby Power [W]	N/A
Rated Voltage [V/Hz]	N/A
Power Factor @230V	0.95
Input Current [mA] @230V	37 / 55 / 73 / 92
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	920lm @3000K
	940lm @4000K
	960lm @6500K
12W	1380lm @3000K
	1410lm @4000K
	1440lm @6500K
16W	1840lm @3000K
	1880lm @4000K
	1920lm @6500K
20W	2300lm @3000K
	2350lm @4000K
	2400lm @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]	115-120
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

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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]	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
Energy Class	3000K / 4000K / 6500K
8W / 12W / 16W / 20W	F / F / E
Other	
Dimmable [Yes/Only with specific dimmers/No]	No
Operation Temperature	-20°C ~ 50°C
Storage Temperature	-10°C ~ 30°C
Claim of Equivalent Power, 8W [W]	14W
Claim of Equivalent Power, 12W [W]	21W
Claim of Equivalent Power, 16W [W]	28W
Claim of Equivalent Power, 20W [W]	35W
Energy Consumption in on-mode [kWh/1000h]	8kWh / 12kWh / 16kWh / 20kWh