

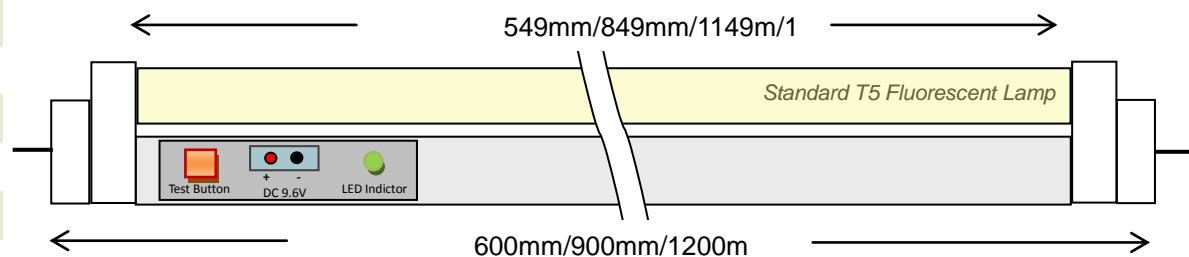
EcoLight T5 - Retrofit fixture for Emergency Lighting

Specification_V4.0 (EP Model)

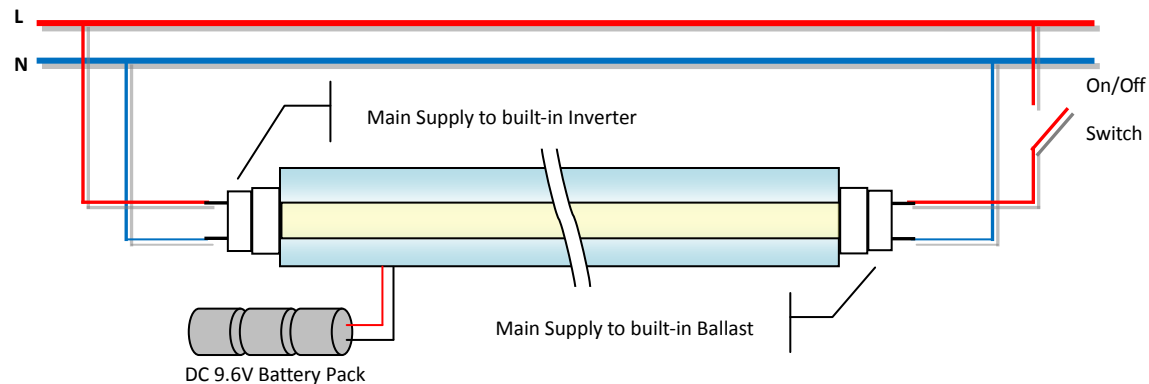
Codes:	<u>T5</u>	/	<u>28</u>	<u>F</u>	<u>S</u>	<u>E</u>	/	<u>E</u>	<u>P</u>
	Tube Size		Wattage	Design	Ballast Mode	Voltage		Type	Mode
	T5 Tube		14 = 14W	Fixture	S = Standard	A = 120V ; E = 230V		Emergency	P = Permanent Mode; Inverter + Ballast
			28 = 28W	Type	A = Advanced	I = 277V ; H = 347V		Lighting	N = Non-permanent Mode; Inverter only
			35 = 35W		N = No ballast	U = 120 ~ 277V			

Model	14/FSE/EP	28/FSE/EP	35/FSE/EP
Application			
Voltage Range (VAC)	A = 100 ~ 140 ; E = 200 ~ 250 ; I = 257 ~ 297 ; H = 327 ~ 367		
Ambient Temperature (°C)	-10 ~ +50		
Fluorescent Lamp	T5/14W	T5/28W	T5/35W
Normal Status			
Ballast	Built-in EcoLight FSE Type Ballast		
Nominal Voltage (VAC)	A = 100 ~ 140 ; E = 200 ~ 250 ; I = 257 ~ 297		
Input Frequency (Hz)	50 / 60		
Rated Voltage (V)	A = 120 ; E = 230 ; I = 277 ; H = 347		
Rated Current (A)	A=0.16; E=0.08 I=0.06; H=0.04	A=0.30; E=0.15 I=0.12; H=0.08	A=0.40; E=0.20 I = 0.16; H=0.10
Emergency Status			
Duration (hrs) / Battery Type	3hrs/A ; 1hr/B	3hrs/A ; 1hr/B	3hrs/A; 1hr/B
Output Frequency (kHz)	25 ~ 50		
Type A Ni-MH Battery	9.6v/3.0AH	9.6v/4.5AH	9.6v/5.4AH
Type B Ni-MH Battery	9.6v/1.0AH	9.6v/1.5AH	9.6v/1.8AH
Lumen Output	50%	30%	30%
Charger			
Recharge Period (hrs)	➤ 12hrs		
Charger Monitor	Φ 5mm Red / Green LED		

Layout Diagram



Circuit Diagram



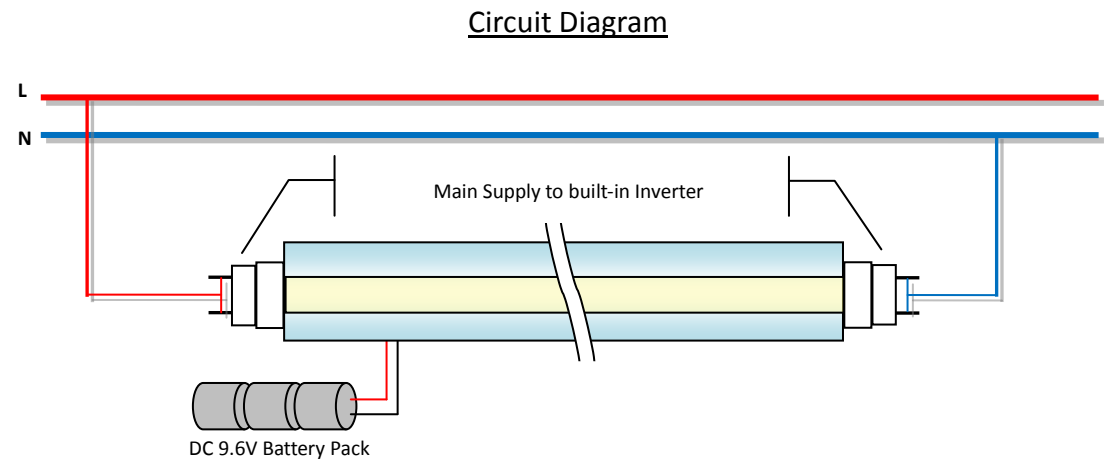
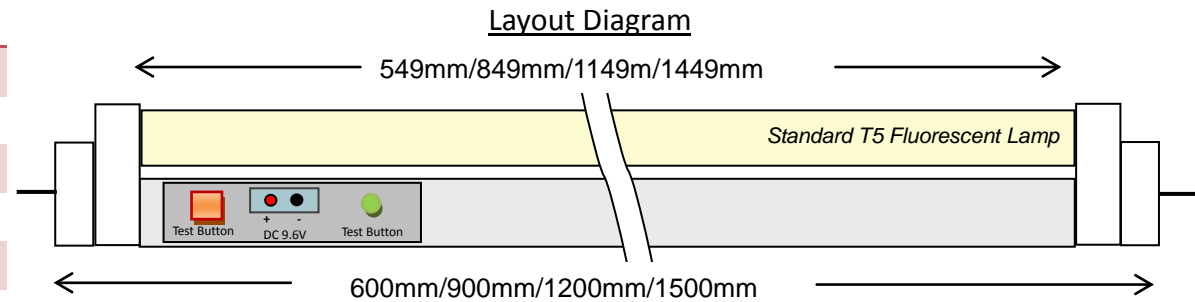
Note: **EP models** provide permanent lighting purpose, both normal lighting and emergency lighting. When there is power supply, the EP models work as lighting purpose. When the supply is interrupted, battery supports the lamp as emergency purpose.

EcoLight T5 - Retrofit fixture for Emergency Lighting

Specification_V4.0 (EN Model)

Codes:	<u>T</u> 5	/	<u>2</u> 8	<u>F</u>	<u>N</u>	/	<u>U</u>	/	<u>E</u>	<u>N</u>
	Tube Size		Wattage	Design	Ballast Mode		Voltage		Type	Mode
	T5 Tube		14 = 14W	Fixture	S = Standard		U = 120V ~277V		Emergency	P = Permanent Mode ; Inverter + Ballast
			28 =28W	Type	N = No ballast		H = 347V		Lighting	N = Non-Permanent Mode; Inverter only
			35 = 35W							

Model	14/FNU/EN	28/FNU/EN	35/FNU/EN
Application			
Voltage Range (VAC)	U = 100V~297V ; H=347V		
Ambient Temperature (°C)	-10 ~ +50		
Fluorescent Lamp	T5/14W	T5/28W	T5/35W
Normal Status			
Ballast	N/A		
Nominal Voltage (VAC)	N/A		
Input Frequency (Hz)	N/A		
Rated Voltage (V)	N/A		
Rated Current (A)	N/A		
Emergency Status			
Duration (hrs) / Battery Type	3hrs/A ; 1hr/B	3hrs/A ; 1hr/B	3hrs/A; 1hr/B
Output Frequency (kHz)	25 ~ 50		
Battery			
Type A Ni-MH	9.6v/3.0AH	9.6v/4.5AH	9.6v/5.4AH
Type B Ni-MH	9.6v/1.0AH	9.6v/1.5AH	9.6v/1.8AH
Lumen Output	50%	30%	30%
Charge & Discharge Circuit			
Charger	Constant Voltage with Current Limit		
Recharge Period (hrs)	➤ 12hrs		
Charger Monitor	⊕ 5mm Red / Green LED		



Note: **EN models** provide non-permanent lighting purpose, only for emergency lighting. When the power supply is interrupted, battery supports the lamp as emergency purpose.