



**SPECIFICATION SHEET :FHR1-UNV-218T8-L**

This Is An Original Product From Fulham Co., Ltd.

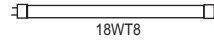
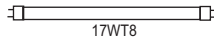
Project \_\_\_\_\_ Type \_\_\_\_\_ Model # \_\_\_\_\_

Remarks \_\_\_\_\_

**Description :**Combination AC/Emergency ballast is designed to operate one or two lamps in normal AC mode. In event of a power failure, the unit will operate one lamp at reduced illumination for a minimum of 90 minutes.

This Ballast Will Operate Following Lamps.

ONE OR TWO 17WT8 4-PIN, ONE OR TWO 18WT8



**ELECTRICAL DATA**

Input Characteristic	AC Electronic Ballast	Emergency Ballast
Input Voltage [V]	120/277	
Input Voltage Range [%]	(120V-277V) +/- 10%	
Power Line Frequency [Hz]	47-63	
AC INPUT POWER RATING [W]	39.2W@120V 38.9W@277V	2.8
AC INPUT CURRENT [mA]	330mA@120V 155mA@277V	25
Input Power Factor (PF)	>0.90	
Line Current Harmonics (THD) [%]	<20	<20
In Rush Current [A]	<50	
RECHARGE TIME [H]		24
BATTERY CHARGING CURRENT [mA]		130(MAX)
Surge Protection		Yes
Current Protection		Yes

**Output Characteristic**

Output Characteristic	AC Electronic Ballast	Emergency Ballast
Lamp Types Operated	F17T8 (US Lamp) or F18T8 (EU Lamp)	F17T8 (US Lamp) or F18T8 (EU Lamp)
Number of Lamps	one or two lamps	one
Lamp Current [mA]	290	62
output power rating [W]	35.2	4.2
Battery		Hi-Temp Ni-Cad 6.0 Volts, 2AH
minimum illumination time [minutes]		90
low voltage cut off circuit		YES (60% - 80% of normal voltage)
Ballast Factor	90~110% for F17T8	30%
initial lumen output [LM]	1 lamp: 1300 2 lamp:2600	310
Lamp Operating Frequency [KHz]	Above 40 kHz	Above 20 kHz
Ignition Method (PH, RS or IS)	PREHEAT START	INSTANT START
Output (Series or Parallel)	Series	N/A
Restart or Latching after Protection	Restart(relamp)	N/A

**Mechanical Requirements**

Case Material	PAINTED STEEL
CASE PROFILE [in]	12.5LX2.6WX1.1H
Distance between Mounting Holes [in]	12.1
CASE Weight [Lb.]	1.526

**Environmental Requirements**

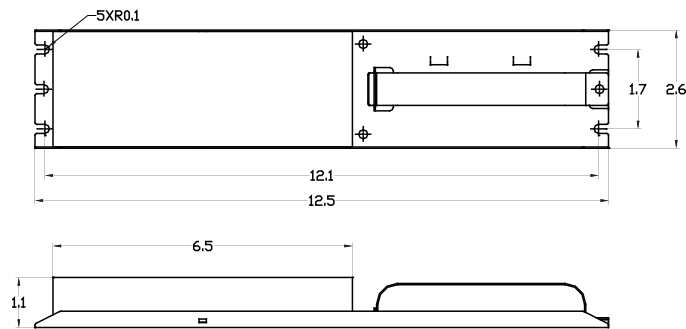
Max. Case Hot Spot Temperature [°C]	75	
Min. Starting Temperature [°C]	- 40	- 40
Min. Operating Temperature [°C]	- 40	Battery needs silicone heat pad supplied by customer
Max. Ambient Temperature [°C]	55	
Thermal Protection	Class P	

This product does not meet CEC Title 20 Code of Regulations. Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham product catalog (www.fulham.com). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.

ELECTRICAL DATA

Maintainability and Reliability	
LAMP COMPATIBILITY	FLUORESCENT BI-PIN WITHOUT STARTER
FIXTURE COMPATIBILITY	INDOOR SWITCHED AND UN-SWITCHED TYPE
WIRE CONNECTION(STANDARD)	SOLID COPPER WIRE LEADS STRIPPED TO 3/8"
TEST SWITCH	SINGLE POLE
CHARGING INDICATOR LIGHT	LED
Product Life [Years]	Battery should be replaced 5 - 7 Yrs.

MECHANICAL DATA



Where : L = Length, W = Width, H = Height all in inches