



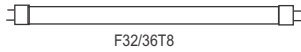
Discontinued
Contact Fulham for availability. Not for use in new designs.

SPECIFICATION SHEET : FHR2-UNV-236T8-L

This Is An Original Product From Fulham Co., Inc

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.



ELECTRICAL DATA

Input Characteristic	AC Electronic Ballast								Emergency Ballast
Input Voltage [V]	120VAC±10%, 50/60Hz				277VAC±10%, 50/60Hz				6VDC
Lamp Types Operated	F32T8		F36T8		F32T8		F36T8		F32T8 or F36T8
Number of Lamps	1	2	1	2	1	2	1	2	1
AC Input Power Rating [W]	46	82	39	71	46	79	38	69	2.8
AC Input Current [mA]	380	679	322	585	185	297	162	261	MAX. 25
Input Power Factor (PF)	>0.99	>0.99	>0.98	>0.99	>0.88	>0.95	>0.84	>0.94	
Line Current Harmonics (THD) [%]	<20								
In Rush Current [A]	<50								
Battery Charge Time [Min]	N/A								24
Battery Charging Current [mA]									MAX.130
Surge Protection									YES
Current Protection									YES

Output Characteristic	AC Electronic Ballast				Emergency Ballast
Lamp Types Operated	F32T8		F36T8		F32T8 or F36T8
Initial Lumen Output [lm]	3100	5700	2100	4000	430lm/300lm
Number of Lamps	1	2	1	2	1
Battery					Hi-Temp Ni-Cd, 6.0V 2 Ah
Minimum Illumination Time [Min]					>90Min
Ballast Factor	120%	110%	88%	85%	15%
Lamp Operating Frequency [KHz]	Above 40 kHz				Above 20 kHz
Ignition Method (PH, RS or IS)	PH				IS
Output (Series or Parallel)	Series				N/A
Restart or Latching after Protection	Restart (ReLamp)				N/A

Environmental Requirements	Value
Max. Case Hot Spot Temperature [°C]	75
Min. Starting Temperature [°C]	-40
Min. Operating Temperature [°C]	0
Sound Rating	A

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.

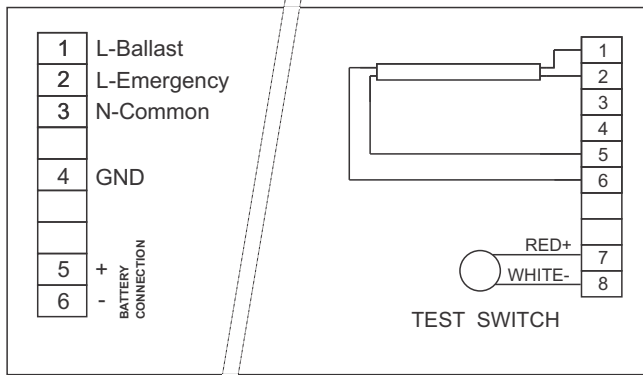
SPECIFICATION SHEET : FHR2-UNV-236T8-L

This Is An Original Product From Fulham Co., Inc

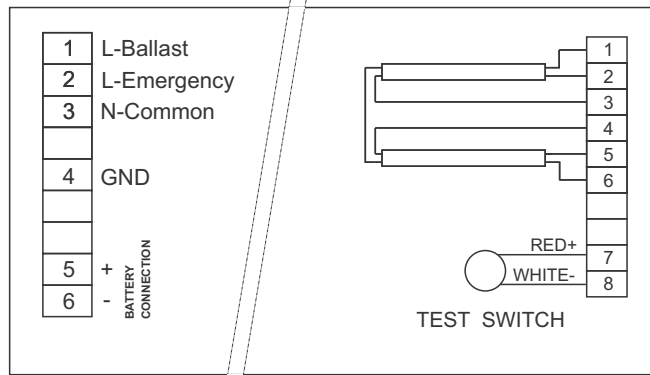
ELECTRICAL DATA (Conti.)

Maintainability and Reliability			
	AC Electronic Ballast		Emergency Ballast
Lamp Types Operated	F32T8	F36T8	F32T8 or F36T8
Potting Type / Degree Of Fill	Potting As Per ASTM D36-86 / Fully Potted		
Lamp Compatibility	Fluorescent Bi-Pin Lamps without starter		Fluorescent Bi-Pin Lamps without starter
Wire Connections	SOLID COPPER WIRE LEADS STRIPPED TO 3/9"		
Test Switch	N/A		Single Pole
Charging Indicator	N/A		LED
Product Life [Years]	50.000h		Battery should be replaced 5 - 7 Years
APPROVALS/CLASS			
APPROVALS/CLASS	UL /cUL LISTED, CLASS " P ", OUTDOOR TYPE 1, WET OR DAMP LOCATIONS; CE		

WIRING DIAGRAMS



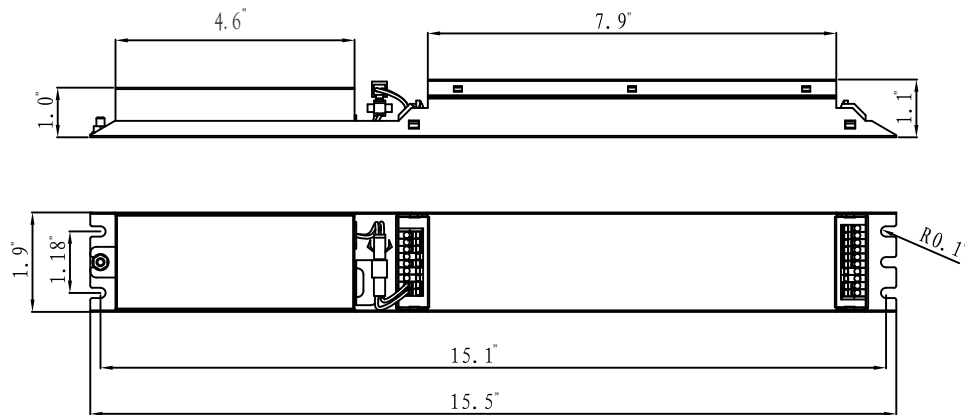
one lamp



two lamps

NOTE : This Ballast Case Must Be Grounded

MECHANICAL DATA



Where : L = Length, W = Width, H = Height, Tolerance=±0.02"

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.