

## 490-XLH-TC-P

### Application and Performance Specifications

**Description:** Electromagnetic ballast for (2) fluorescent lamps as indicated below:

- Line Voltage: 120 vac, + 5%, - 10%, 60Hz
- Series Lamp Operation
- Rapid Start
- High Power Factor (except as noted)

Typical Performance Data								
Lamp		Input Current ( Amps )	Input Power ( Watts )	Power Factor	Ballast Factor	Ballast Efficacy Factor	T.H.D. %	Crest Factor
Type	#							
<b>F72T12HO</b>	<b>2</b>	<b>1.5</b>	<b>177</b>	<b>&gt; .98</b>	<b>.92</b>	<b>0.52</b>	<b>&lt; 10</b>	<b>&lt; 1.7</b>
F96T12HO	1	1.1	124	>90	.85	0.65	<20	<2.0
F96T12HOES	1	0.94	106	>90	.81	0.76	<32	<2.0
F72T12HO	1	0.95	107	> .90	.86	0.80	> 32	< 2.0
F64T12HO	2	1.5	178	> .98	.89	0.50	< 20	< 1.9
F64T12HO	1	0.93	101	> .90	.84	0.83	> 32	< 1.9
F60T12HO	2	1.42	169	> .98	.89	0.53	< 20	< 2.0
F60T12H0	1	0.92	99	> .60	.83	0.84	> 32	< 2.0
F48T12HOES	2	1.07	124	> .90	.83	0.67	< 32	< 2.0
F48T12HOES	1	0.8	76	> .60	.78	1.03	> 32	< 2.0
F48T12HO	2	1.18	139	> .98	.87	0.63	< 20	< 2.0
F48T12HO	1	0.82	82	> .60	.81	0.99	> 32	< 2.0
F24 T12HO	2	0.95	103	> .90	.81	0.79	> 32	< 2.0

Application and Performance Specification Information Subject to Change without Notification.

**Performance:**

- Designed in accordance with ANSI C82.1
- Compatible with PLC and IR systems
- Lead type circuit

**Safety:**

- No PCB's
- UL listed (Class P, Indoor and Type 1 Outdoor, HL)
- CSA Certified
- Thermally Protected

**Application:**

- Minimum Starting Temperature: 60° F, 15° C for  
*Energy Savings lamps; -20° F, -29° C for other lamps*
- Maximum Ballast Case Temperature not to exceed 90° C
- Sound Rated: B
- Remote Mounting: 15 feet with minimum 18 AWG  
( refer to TechNote # 7b for other wire sizes/lengths )

**Mechanical:**

- Length: 11 3/4"
- Width: 3 3/16"
- Height: 2 5/8"
- Lead Length ( inches, ± 1 ):
  - White, Black 18
  - Red (2) 33
  - Blue (2) 31
  - Yellow (2) 51
- Weight: 10 lbs.

**Overall Mounting**

- 11 3/4"
- 2"
- 18
- 33
- 31
- 51
- 10 lbs.

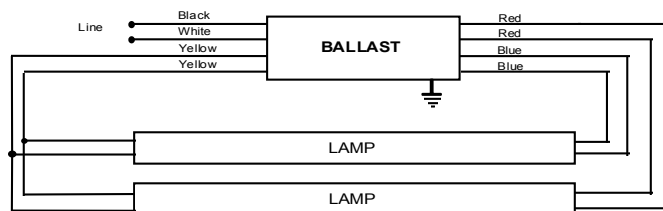
**Footnotes:**

\* This ballast can be used in any one- or two-lamp combination of listed lamps with a total maximum lamp length of 12 feet or a minimum lamp length of 4 feet. It cannot be used with (1)F24T12/HO, (2)F36T12/HO, or (1)F42T12/HO lamps.

**Warranty:**

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 24 months from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.

**Manufactured in North America**



**Ballast must be grounded. Install in accordance with National Electric Code.**