



TRIAD® B232I120RHH & B232I277RHH

APPLICATION and PERFORMANCE SPECIFICATION

Description: High frequency electronic ballast for (2) F32T8 lamps, also equivalent U-shaped lamps,
or (2) FT40W/2G11 lamps

- Line Voltage: 120vac or 277vac $\pm 10\%$, 60Hz
- Parallel Lamp Operation

- Instant Start
- Passive Power Factor Correction

Lamp	Line Volts	Lamp #	Input Watts	Nominal Line Amps	Power Factor	Ballast Factor	Ballast Efficacy Factor	Harmonic Total	Crest Factor
F32T8	120	2	76	0.66	> .98	1.18	1.55	< 20%	< 1.7
F32T8	277	2	76	0.30	> .98	1.18	1.55	< 20%	< 1.7
FT40W/2G11	120	2	85	0.73	> .97	1.15	1.35	< 20%	< 1.7
FT40W/2G11	277	2	85	0.31	> .97	1.15	1.35	< 20%	< 1.7

Application and Performance Specification Information Subject to Change without Notification.

Performance:

- Meets ANSI Standard C82.11-1993
- Meets ANSI Standard C62.41-1991
- Meets FCC Part 18 (Class A) for EMI and RFI
Non-Consumer Limits

Safety:

- No PCB's
- UL listed (Class P, Type 1, Outdoor)
- CSA Certified

Application:

- Minimum Starting Temperature: 0° F, -18° C
FT40W/2G11: 50° F, 10° C
- Maximum Ambient Temperature: 105° F, 40° C
- Sound Rated: A
- Remote Mounting: 18 ft. max. lead length, 18 AWG

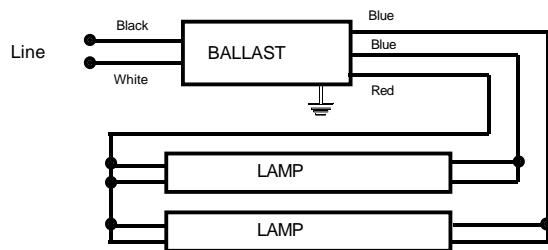
Physical Parameters

Length: 9.50"
Width: 2.40"
Height: 1.55"
Weight: 2.70 lbs.
Lead Length: White, Black 25" ($\pm 1"$)
Red 48" ($\pm 1"$)
Blue 31" ($\pm 1"$)

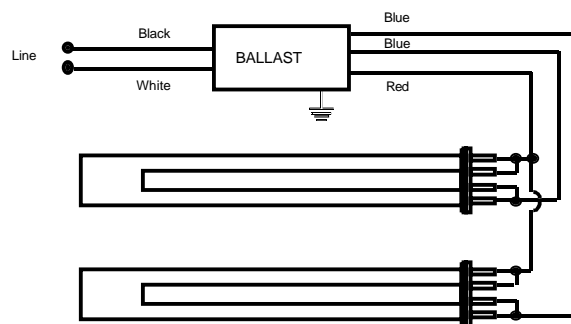
Warranty:

Universal Lighting Technologies warrants to the purchaser that each electronic ballast will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal conditions of use. Call **1-800-BALLASTx800** for technical assistance.

Manufactured in North America



For (2) F32T8 Lamps



For (2) FT40W/2G11 Lamps

Ballast Must be Grounded



B232I120RHH & B232I277RHH

The High Light Output Solution for Long Twin Tube Systems

ULT RHH Advantages:

- Operates (2) FT40W Instant Start or Rapid Start Lamps @ 265 mAmps
- Comparable Light Levels to those achieved with the FT50W systems
 - 5% Mean Lumen Difference
- Instant Start for Maximum Efficiency
- Parallel Lamp Operation
- THD Less Than 20%
- 0°F Start Temperature
- Lower Lamp and Ballast costs than FT50W or FT55W Systems
- Standardize Installations with Only FT40W lamp - Easier Maintenance and Inventory
- Eliminates Misapplications with FT50W or FT55W lamps on FT40W ballasts

ULT Wins the System Comparison!

	ULT's FT40W RHH System	FT50W System	FT55W System
Lamp Cost	Low	High	High
Lamp Configuration	Parallel	Series	Series
Min. Start Temperature	0°F	50°F	50°F
Input Watts	85W	106	110
Efficacy (Mean LPW)	76.8	65.2	72.0
Lamp Life (3 Hrs/Start)	15,000	14,000	12,000

Additional Application Comparisons

- Provides 30% More Light Than Standard Electronic ballast with FT40W lamps
- Provides **Only** 5% Less Light Than Electronic ballast with FT50W lamps
- 20% Energy Savings over Electronic ballast and FT50W lamps
- 23% Energy Savings over Electronic ballast and FT55W lamps

2 Lamp System Data

Lamp Type	Mean Lamp Lumens	Ballast Type	Input Watts	Ballast Factor	Mean System Lumens	Mean LPW
FT40W/2G11	2,840	ULT C240IxxxRH	70	0.88	4,998	71.4
FT40W/2G11	2,840	ULT B232IxxxRHH	85	1.15	6,532	76.8
FT50W/2G11	3,600	Electronic Rapid Start	106	0.96	6,912	65.2
FT55W/2G11	4,400	Electronic Rapid Start	110	0.90	7,920	72.0