CFL Biax® Ballasts

GE Product Code 10 Pack	Description	Lamps Type	Lamps #	Input Volts	Input Watts	Ballast Factor	System Lumens	System LPW	Nominal Line Amps	Power Factor	Starting Temp
75948	**GEC140MAX-A**										
		F40/30BX/2G11	1	120	38	0.90	2835	75	0.32	>0.99	0F
				277	38	0.90	2835	75	0.14	>0.95	0F
		F40/28BX/2G11	1	120	34	1.00	2800	82	0.29	>0.99	0F
				277	34	1.00	2800	82	0.13	>0.95	0F
		F40/25BX/2G11	1	120	31	1.00	2600	84	0.25	>0.99	0F
				277	31	1.00	2600	84	0.12	>0.90	0F
		F32T8	1	120	33	0.94	2632	80	0.27	>0.99	0F
				277	33	0.94	2632	80	0.13	>0.95	0F
		F28T5/HE	1	120	36	1.10	3190	89	0.30	>0.99	0F
				277	36	1.10	3190	89	0.14	>0.95	0F
71435	**GEC240MAX-A**										
		F40/30BX/2G11	2	120	69	0.90	5670	82	0.58	>0.99	0F
				277	68	0.90	5670	83	0.25	>0.95	0F
		F40/28BX/2G11	2	120	63	1.00	5600	89	0.54	>0.99	0F
				277	62	1.00	5600	90	0.23	>0.95	0F
		F40/25BX/2G11	2	120	58	1.00	5200	90	0.50	>0.99	0F
				277	57	1.00	5200	91	0.21	>0.90	0F
		F32T8	2	120	63	0.94	5264	84	0.54	>0.99	0F
				277	62	0.94	5264	85	0.23	>0.95	0F
		F28T5/HE	2	120	69	1.10	6380	92	0.59	>0.99	0F
				277	68	1.10	6380	94	0.25	>0.95	0F
71436	**GEC340MAX-A**										
		F40/30BX/2G11	3	120	100	0.90	8505	85	0.86	>0.99	0F
				277	99	0.90	8505	86	0.36	>0.99	0F
		F40/28BX/2G11	3	120	93	1.00	8400	90	0.79	>0.99	0F
				277	91	1.00	8400	92	0.33	>0.95	0F
		F40/25BX/2G11	3	120	85	1.00	7800	92	0.73	>0.99	0F
				277	84	1.00	7800	93	0.31	>0.95	0F
		F32T8	3	120	92	0.94	7896	86	0.78	>0.99	0F
				277	90	0.94	7896	88	0.33	>0.95	0F
		F28T5/HE	3	120	102	1.10	9570	94	0.87	>0.99	0F
				277	100	1.10	9570	96	0.37	>0.99	0F
71437	**GEC240MVPS-A**										
		F40/30BX/2G11	2	120	70	0.90	5670	81	0.59	>0.99	0F
				277	69	0.90	5670	82	0.25	>0.95	0F
		F40/30BX/2G11	1	120	42	1.04	3276	78	0.36	>0.99	0F
				277	42	1.04	3276	78	0.17	>0.95	0F
75950	**GEC225MVPS-A**										
		F40/28BX/2G11	2	120	62	1.00	5600	90	0.53	>0.99	0F
				277	61	1.00	5600	92	0.23	>0.95	0F
		F40/25BX/2G11	2	120	57	1.00	5200	91	0.48	>0.99	0F
				277	56	1.00	5200	93	0.21	>0.95	0F
		F40/28BX/2G11	1	120	40	1.17	3276	82	0.33	>0.99	0F
				277	40	1.17	3276	82	0.15	>0.95	0F
		F40/25BX/2G11	1	120	36	1.22	3172	88	0.30	>0.99	0F
				277	36	1.22	3172	88	0.14	>0.95	0F

*Transforming the **POWER** of Light™*

GE National Customer Service Center
1-888-GEBALLAST (432-2552)

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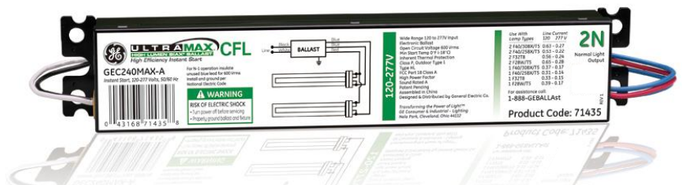
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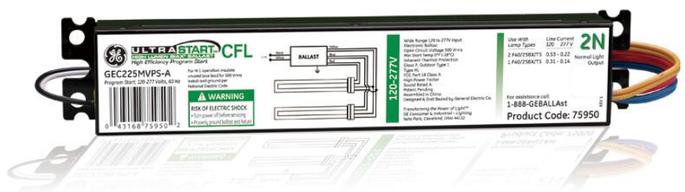
GE
Lighting

UltraMax® Instant Start & UltraStart® Programmed Start High Lumen CFL Biax® Ballasts

ULTRAMAX® CFL
HIGH LUMEN BIAX® BALLAST
High Efficiency Instant Start



ULTRASTART™ CFL
HIGH LUMEN BIAX® BALLAST
High Efficiency Program Start



Featuring the Extreme Efficiency Solution for Compact 2x2 Fixtures...

GE Ultra Watt-Miser® 25W Biax® System



imagination at work

High Lumen Biax® High Efficiency CFL Ballasts

GE has developed a line of High Lumen **Biax®** CFL ballasts that incorporate all the benefits of **GE's UltraMax®** instant start and **UltraStart®** programmed start T8 and T5 ballasts. These high efficiency (>90%) ballasts along with GE's 25W High Lumen **Biax®** 104 Lumen Per Watt Lamp are GE's highest efficient fluorescent system for compact spaces typical in 2x2 ft fixtures. 25W High Lumen **Biax®** lamps are direct replacements for F40/30 watt CFL lamps on standard instant start ballasts. These lamps can be operated on standard instant start ballasts or GE's **UltraStart®** programmed start ballast designed for the 25W.

The GE UltraStart® Watt-Miser® Biax® Lamp and Ballast System Advantage

- 14 watts, 20% lower system watts than standard 2-lamp, F40/30 watt CFL systems
- Operates lamps in parallel (which means if one lamp fails, the other lamps remain on) – Significantly reduces lamp maintenance costs.
- Extends Lamp Life to a 36,000 hours @ 12 Hr Start with an Extended 3 Year GE Express System Warranty

GE UltraStart® Biax® programmed start ballasts use a control circuit to apply very precise cathode heat to ensure lamp cathodes have reached optimum temperature during lamp starting. Precise starting reduces the amount of cathode degradation associated with each start and increases lamp life significantly. After starting the lamps, continuous cathode cutout technology (CCC) is applied - which eliminates wasted power to the lamps, resulting in high efficiencies.

GE's Highest Efficient Fluorescent System for 2x2 ft Fixtures

Standard 2 Lamp T12U	25W Watt-Miser® Lamp	UltraStart® Watt-Miser®
		
Mean Lumens = 4,791	Mean Lumens = 4,940	Mean Lumens = 4,940
Watts = 90W	Watts = 60W	Watts = 56W
Mean LPW = 53	Mean LPW = 82	Mean LPW = 88
Life = 14,000 hrs	Life = 20,000*	Life = 36,000
	Savings = $18/fixture	Savings = $20.40/fixture

Assumptions: $.10 kwh @ 12 hours starts 6000hrs Annual Operation, *Standard instant start

Environmental Awareness

ecomagination℠ is GE's commitment to create products that help our customers improve their environmental and operating performance. **GE Biax®** ballasts are high-efficiency and energy-efficient.

GE's UltraStart® Biax® programmed start and **GE UltraMax® Biax® Instant Start ballasts** are among the highest energy-efficient ballasts available and contribute to significant reductions in energy consumption and the curbing of greenhouse gas emissions.

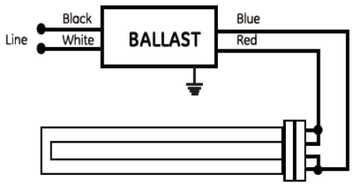


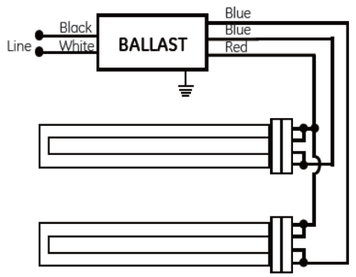
UltraMax® & UltraStart® Biax® Ballasts Features and Benefits

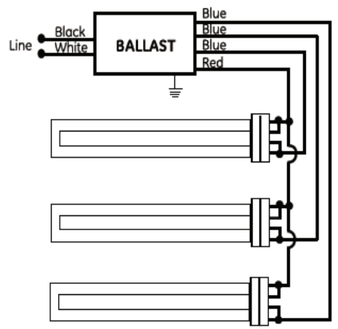
- **GE UltraStart® programmed start ballasts** for use with sensors, short burn cycles or where lamp life is a primary concern
- **GE UltraStart® instant start ballasts** for use in long (> 3 hr) lamp cycles.
- **High-Efficiency, Energy Savings**
  High efficiency components, low losses & **GE UltraStart® ballasts** complete cathode cutout maximizes energy savings.
- **Multi-Voltage Technology –** Simplify installation. Adapts automatically to any voltage from 108V to 305V
- **Anti-Striation Control** – Reduces maintenance issues caused by striating lamps
- **End of Life Lamp Protection**
- **Lower Maintenance Costs with Parallel Lamp Operation**
  If one lamp fails, the other lamps remain lit. This can reduce spot relamping by 50%, or extend group relamping by up to 15%
- **Fast Starting Time**
  GE UltraStart® ballasts start in less than 700 milliseconds compared with standard programmed start >1.1 seconds. This is an important feature when using sensors. **GE UltraStart® ballasts** fast starting time eliminate the traditional PS ballast delay of waiting for the lights to turn on.
- **Auto-Reset** – Automatically resets after lamp replacement and withstands temporary losses in power typical with backup lighting systems

Technical Specifications

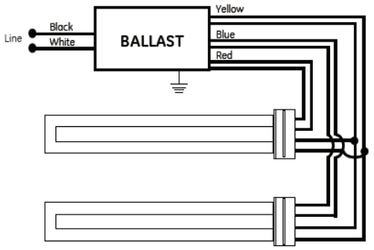
UltraMax® Instant Start







UltraStart® Programmed Start

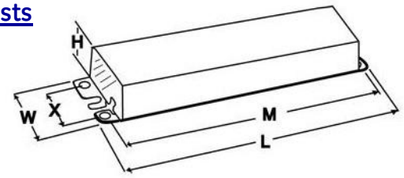


For 1-Lamp operation insulate unused blue leads for 600 Vrms

*All ballasts include lead wires

GE Biax Ballasts

Length (L)	9.5"
Mount Length (M)	8.9"
Width (W)	1.7"
Mount Width (X)	1.05"
Height (H)	1.18"



Specifications

- Lamp Frequency > 42KHz
- Lamp CCF: < 1.7
- Lamp End of Life Protection Circuit
- Re-lamp Auto-Reset
- THD: < 10%
- Power Factor: > 98%
- cUL listed, Outdoor Type 1, HL
- FCC 47CFR Part 18 Non-Consumer