

# T12 Multi-Voltage Electronic Ballasts

## New GE T12HO and 1 x 40 Watt Ballasts

GE Multi-Volt ProLine® (MVP) T12 high-performance ballasts are designed for replacement of magnetic T12 electronic ballasts during maintenance or retrofits. GE MVP T12 ballasts have the same wiring and mounting requirements as standard magnetic ballasts and provide up to 20% energy savings by simply replacing the ballast.

The DOE ballast ruling effective April 1, 2005, prevents the sale of most magnetic ballasts that operate T12 lamps and don't meet federal ballast efficiency requirements. GE MVP T12 electronic

ballasts meet the DOE minimum ballast efficiency requirements and also allow facility managers to reduce ballast maintenance inventories by consolidating the number of ballasts needed. GE MVP T12 ballasts operate both energy saving and standard wattage lamps and are also multi-voltage (120-277V). With 2 ballasts, MVP T12 can consolidate over 40 different magnetic ballasts.

You can count on GE to answer your lamp and ballast questions at **1-888-GEBALLAST**.

### Performance Features

- Multi-Voltage technology means a single ballast handles voltage from 108V to 305V.
- Same wiring and mounting magnetic ballasts.
- Consolidate maintenance ballast inventory with one SKU that operates 120 through 277 volts, operates both standard lamps and energy saving lamps as well as two-lamp or one-lamp operation.
- GE240RSMVN and GE240RS120 comply with FCC for residential use.
- Low-profile and lightweight housing simplifies installation and reduces transportation costs. (GE240 = 1.3lbs. lighter than magnetic. GE260 = 5.3lbs. lighter than magnetic).
- @ 120V <10% THO exceeds recommended utility and ANSI guidelines for lighting systems.
- Parallel operation -if one lamp fails, others remain lit.
- Significantly quieter than magnetic.
- High-frequency operation virtually eliminates lamp flickering typical in T12 electromagnetic systems
- Five-year ballast limited warranty

### Applications

- Any application currently using T12 lamps.



Also available in convenient Shrink wrapped (DIY) tray packs.

### Benefits of Electronic Systems

System 2 Lamp @ 120V, 3500K	GE Ballast	System % Savings				(W)
		BF	Lumens	Watts	LPW	
<b>4-Foot Lamps</b> F34T12 Magnetic Ballast F34T12 Multi-Volt ProLine® T12 Electronic	GEM240-R5-120	84%	4620	73	63	14%
	GE240-R5-MV-N	87%	4785	63	76	
<b>8-Foot Lamps</b> F96T12 Magnetic Ballast F96T12 Multi-Volt ProLine® T12 Electronic	GEM296-15-120	87%	11832	158	75	9%
	GE260-15-MV-N	90%	12240	144	85	
<b>4-Foot Lamps</b> F34T12 Magnetic Ballast (2) F34T12 Multi-Volt ProLine®(1) T12 Electronic	GEM240-R5-120	84%	9240	146	63	34%
	GE340-R5-MV-N	87%	7569	96	79	

GE Multi-Volt ProLine® T12 ballasts provide up to 20% energy savings versus standard magnetic ballasts. MVP T12 provides 9 to 14% energy savings versus today's energy saving magnetic ballasts by simply changing the ballast. The GE340RSMVN 3-lamp ballast is designed for 4-lamp T12 fixtures that can be retrofitted to a 3-lamp T12 fixture using F34/SPX35 lamps resulting in 34% energy savings.



# GE T12 Multi-Voltage Electronic Ballast Specifications

Product Code 10 Pack	Description	GE Lamp Designation	Number of Lamps	Line Voltage	System Wattage (watts)	Nominal Current (Amps)	Power Factor	System Ballast Factor	THD%	Ballast Efficacy Factor			
72110	GE140-RS-120	F40T12	1	120	36	0.53	>.57	0.88	<150%	2.44			
		F34T12	1	120	30	0.45	>.55	0.88	<150%	2.93			
		F40T12 (25W)	1	120	36	0.53	>.57	1.33	<150%	3.6			
		F30T12	1	120	28	0.41	>.57	0.93	<150%	3.32			
24107	GE240-IS-MV-N	F40T12	1	120	48	0.41	>.89	TBD	<10%	TBD			
			1	277	48	0.19	>.95	TBD	<17%	TBD			
			2	120	74	0.67	>.99	0.89	<7%	1.20			
			2	277	73	0.30	>.94	0.89	<14%	1.22			
		F34T12	1	120	41	0.35	>.99	TBD	<10%	TBD			
			1	277	41	0.17	>.86	TBD	<19%	TBD			
			2	120	63	0.56	>.99	0.87	<8%	1.38			
			2	277	62	0.266	>.93	0.87	<15%	1.40			
			97498	GE240-RS-120	F34T12	2	120	62	0.53	>.96	0.85	<25%	1.35
					F40T12	2	120	73	0.62	>.98	0.85	<20%	1.17
24108	GE260-IS-MV-N	F96T12/WM	1	120	72	0.59	>.99	TBD	<10%	TBD			
			1	277	71	0.27	>.95	TBD	<22%	TBD			
			2	120	115	0.95	>.99	0.90	<7%	0.78			
			2	277	113	0.41	>.97	0.90	<16%	0.80			
		F96T12	1	120	90	0.76	>.99	TBD	<9%	TBD			
			1	277	89	0.33	>.96	TBD	<20%	TBD			
			2	120	144	1.21	>.99	0.87	<6%	0.60			
			2	277	140	0.52	>.97	0.87	14%	0.62			
			72109	GE296-HO-MV-N	F96T12/HO (110W)	1	120	104	0.88	>.95	0.92	<15%	0.88
					1	277	104	0.42	>.95	0.92	<15%	0.88	
GE296-HO-MV-N	F96T12/HO (110W)	2		120	196	1.65	>.95	0.90	<10%	0.46			
		2		277	196	0.73	>.95	0.90	<10%	0.46			
24109	GE340-IS-MV-N	F40T12	2	120	86	0.74	>.99	TBD	<6%	TBD			
			2	277	85	0.33	>.96	TBD	<12%	TBD			
			3	120	114	0.98	>.99	0.89	<5%	0.78			
			3	277	111	0.43	>.97	0.89	<11%	0.88			
		F34T12	2	120	71	0.60	>.99	TBD	<7%	TBD			
			2	277	70	0.27	>.95	TBD	<13%	TBD			
			3	120	96	0.81	>.99	0.87	<6%	0.91			
			3	277	94	0.36	>.96	0.87	<12%	0.93			

## Specifications

- Line Voltage: Multi-Voltage 120 to 277 VAC, +/- 10%, 50-60Hz
- GE 240 & GE 340 Rapid Start, GE 260 Instant Start design
- >98% power factor and <10% THD @ 120V
- Active Power Factor Correction
- Parallel operation
- Class A sound rating
- Starting temperatures -0°F for F96T12, 50°F for F40T12, -20°F for GE296HOMV-N
- Remote mounting up to 18 ft./18 AWG
- UL-Listed (Class P, Type 1 Outdoor, Type HL), CuL, FCC Part 18 Class A
- GE240RSMVN complies with FCC Part 18 Class B @ 120V for residential applications
- ANSI C62.41- 1991 Cat A Transient Surge Protection
- ANSI C82.11- 1993, Consolidated 2002
- Max Ambient Temperature: 105°F, 40°C
- N-1 lamp rating

## GE240RS120 Specifications:

- UL-Listed (Class P, Type 1 Outdoor, Type HL), CuL, FCC Part 18 Class
- UL-Listed (Class P, Type 1 Outdoor, Type HL), CSA Listed
- Series Lamp Operation
- Passive Power factor Correction
- Starting temperatures - 0°F
- Meets FCC Part 18 (Class B) for EMI and RFI
- Meets CSA Start 654 for Ballast Efficiency

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

For additional product and application information, please consult GE's Website: [www.gelighting.com](http://www.gelighting.com)

## Lamp Operation

GE Multi-Volt ProLine® T12 ballasts operate the following lamp types:

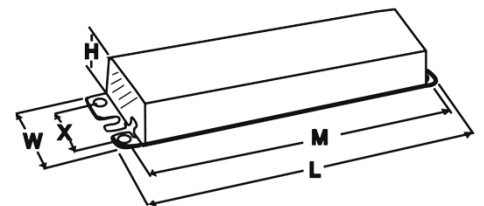
GE240-RS-MV-N	GE240-RS-120	GE260-IS-MV-N	GE296-HO-MV-N
F40T12 & U lamps	F40T12	F96T12	F96T12/HO (110W)
F34T12, F40T12/WM	F34T12	F96T12/WM	F96T12/HO/WM (95W)
F40T10	F40T12 (25W)	F96T12/WM Plus	F72T12/HO (85W)
F30T12	F30T12	F84T12	F60T12/HO (75W)
F25T12/WM	F25T12	F72T12	F48T12/HO (60W)
F20T12	FT36W	F64T12	F70T8 (70W)
	FC12T9	F60T12	
	(1)FC16T9/(1)FC12T9	F48T12	
	(1)FC16T9/(1)FC8T9	F48T12/WM	

## Packaging

10 pack  
 4 each DIY Tray Pack  
 2.4lbs each

## GE240-RS-120

10 Pack  
 12 each DIY Tray Pack  
 1.38 lbs.each



Case Dimensions (Inches)			Mounting Dimensions (Inches)			
Length (L)	Width (W)	Height (H)	Bracket Length (BL)	Mount Length (M)	Mount Width (X)	Mount Slot (MS)
<b>GE240-RS-120</b>						
9.5	2.4	1.6		8.89	1.13	0.312
9.5	1.3	1.0		8.89	N/A	0.312
<b>GE296-HO-MV</b>						
11.8	2.15	1.6	N/A	11.0	N/A	0.312
<b>GE140-RS-120</b>						
6.46	1.37	1.0	N/A	6.0	N/A	0.312

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- Same wiring and mounting magnetic ballasts.
- Consolidate maintenance ballast inventory with one SKU that operates 120 through 277 volts, operates both standard lamps and energy saving lamps as well as two-lamp or one-lamp operation.
- GE240RSMVN and GE240RS120 comply with FCC for residential use.
- Low-profile and lightweight housing simplifies installation and reduces transportation costs. (GE240 = 1.3lbs. lighter than magnetic. GE260 = 5.3lbs. lighter than magnetic).
- @ 120V <10% THO exceeds recommended utility and ANSI guidelines for lighting systems.
- Parallel operation -if one lamp fails, others remain lit.
- Significantly quieter than magnetic.
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		BF	Lumens	Watts	LPW	
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	GE240-R5-MV-N	87%	4785	63	76	
<b>8-Foot Lamps</b> F96T12 Magnetic Ballast F96T12 Multi-Volt ProLine® T12 Electronic	GEM296-15-120	87%	11832	158	75	9%
	GE260-15-MV-N	90%	12240	144	85	
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		F40T12 (25W)	1	120	36	0.53	>.57	1.33	<150%	3.6			
		F30T12	1	120	28	0.41	>.57	0.93	<150%	3.32			
24107	GE240-IS-MV-N	F40T12	1	120	48	0.41	>.89	TBD	<10%	TBD			
			1	277	48	0.19	>.95	TBD	<17%	TBD			
			2	120	74	0.67	>.99	0.89	<7%	1.20			
			2	277	73	0.30	>.94	0.89	<14%	1.22			
		F34T12	1	120	41	0.35	>.99	TBD	<10%	TBD			
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			2	120	63	0.56	>.99	0.87	<8%	1.38			
			2	277	62	0.266	>.93	0.87	<15%	1.40			
			97498	GE240-RS-120	F34T12	2	120	62	0.53	>.96	0.85	<25%	135
					F40T12	2	120	73	0.62	>.98	0.85	<20%	1.17
24108	GE260-IS-MV-N	F96T12/WM	1	120	72	0.59	>.99	TBD	<10%	TBD			
			1	277	71	0.27	>.95	TBD	<22%	TBD			
			2	120	115	0.95	>.99	0.90	<7%	0.78			
			2	277	113	0.41	>.97	0.90	<16%	0.80			
		F96T12	1	120	90	0.76	>.99	TBD	<9%	TBD			
			1	277	89	0.33	>.96	TBD	<20%	TBD			
			2	120	144	1.21	>.99	0.87	<6%	0.60			
			2	277	140	0.52	>.97	0.87	14%	0.62			
			72109	GE296-HO-MV-N	F96T12/HO (110W)	1	120	104	0.88	>.95	0.92	<15%	0.88
					1	277	104	0.42	>.95	0.92	<15%	0.88	
GE296-HO-MV-N	F96T12/HO (110W)	2		120	196	1.65	>.95	0.90	<10%	0.46			
		2		277	196	0.73	>.95	0.90	<10%	0.46			
24109	GE340-IS-MV-N	F40T12	2	120	86	0.74	>.99	TBD	<6%	TBD			
			2	277	85	0.33	>.96	TBD	<12%	TBD			
			3	120	114	0.98	>.99	0.89	<5%	0.78			
			3	277	111	0.43	>.97	0.89	<11%	0.88			
		F34T12	2	120	71	0.60	>.99	TBD	<7%	TBD			
			2	277	70	0.27	>.95	TBD	<13%	TBD			
			3	120	96	0.81	>.99	0.87	<6%	0.91			
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## Specifications

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- GE 240 & GE 340 Rapid Start, GE 260 Instant Start design
- >98% power factor and <10% THD @ 120V
- Active Power Factor Correction
- Parallel operation
- Class A sound rating
- Starting temperatures -0°F for F96T12, 50°F for F40T12, -20°F for GE296HOMV-N
- Remote mounting up to 18 ft./18 AWG
- UL-Listed (Class P, Type 1 Outdoor, Type HL), CuL, FCC Part 18 Class A
- GE240RSMVN complies with FCC Part 18 Class B @ 120V for residential applications
- ANSI C62.41- 1991 Cat A Transient Surge Protection
- ANSI C82.11- 1993, Consolidated 2002
- Max Ambient Temperature: 105°F, 40°C
- N-1 lamp rating

## GE240RS120 Specifications:

- UL-Listed (Class P, Type 1 Outdoor, Type HL), CuL, FCC Part 18 Class
- UL-Listed (Class P, Type 1 Outdoor, Type HL), CSA Listed
- Series Lamp Operation
- Passive Power factor Correction
- Starting temperatures - 0°F
- Meets FCC Part 18 (Class B) for EMI and RFI
- Meets CSA Start 654 for Ballast Efficiency

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## Lamp Operation

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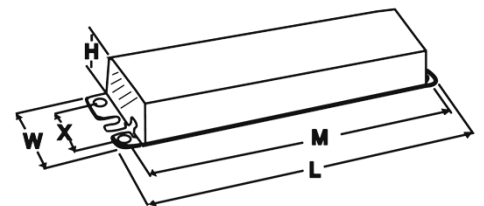
GE240-RS-MV-N	GE240-RS-120	GE260-IS-MV-N	GE296-HO-MV-N
F40T12 & U lamps	F40T12	F96T12	F96T12/HO (110W)
F34T12, F40T12/WM	F34T12	F96T12/WM	F96T12/HO/WM (95W)
F40T10	F40T12 (25W)	F96T12/WM Plus	F72T12/HO (85W)
F30T12	F30T12	F84T12	F60T12/HO (75W)
F25T12/WM	F25T12	F72T12	F48T12/HO (60W)
F20T12	FT36W	F64T12	F70T8 (70W)
	FC12T9	F60T12	
	(1)FC16T9/(1)FC12T9	F48T12	
	(1)FC16T9/(1)FC8T9	F48T12/WM	

## Packaging

10 pack  
 4 each DIY Tray Pack  
 2.4lbs each

## GE240-RS-120

10 Pack  
 12 each DIY Tray Pack  
 1.38 lbs.each



Case Dimensions (Inches)			Mounting Dimensions (Inches)			
Length (L)	Width (W)	Height (H)	Bracket Length (BL)	Mount Length (M)	Mount Width (X)	Mount Slot (MS)
<b>GE240-RS-120</b>						
9.5	2.4	1.6		8.89	1.13	0.312
9.5	1.3	1.0		8.89	N/A	0.312
<b>GE296-HO-MV</b>						
11.8	2.15	1.6	N/A	11.0	N/A	0.312
<b>GE140-RS-120</b>						
6.46	1.37	1.0	N/A	6.0	N/A	0.312

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