

Standard Power T5 High Output 90°C

PRECISION POWER

MULTI-VOLTAGE - PROGRAMMED RAPID START

EP2/54HO/PRS/MV/90C

Two Lamp Operation, 120V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.87	0.71	1.01	0.94	1.00
Input Watts (ANSI)	106	89	118	112	120
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.81	1.30	0.95	0.82	0.83

One Lamp Operation, 120V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.45	0.38	0.52	0.51	0.54
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77

Two Lamp Operation, 230V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.42	0.35	0.51	0.48	0.52
Input Watts (ANSI)	103	86	115	109	117
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.83	1.35	0.97	0.84	0.85

One Lamp Operation, 230V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.24	0.21	0.28	0.27	0.29
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77

Two Lamp Operation, 277V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.37	0.31	0.43	0.40	0.43
Input Watts (ANSI)	103	86	115	109	117
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.83	1.35	0.97	0.84	0.85

One Lamp Operation, 277V

	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.20	0.18	0.23	0.22	0.23
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77



**BALLAST
PRODUCTS
DIVISION**

P.O. Box 1590

Laurel, MS 39441

(601) 422-0033 or

1-800-956-3456

Fax (601) 422-1652

[http://www.](http://www.howard-ballast.com)

[howard-ballast.com](http://www.howard-ballast.com)

Standard Power 2-Lamp T5 High Output 90°C

PRECISION POWER

MULTI-VOLTAGE - PROGRAMMED RAPID START

SPECIFICATIONS

EP2/54HO/PRS/MV/90C

Current Crest Factor: Ballast shall have a Lamp Current Crest Factor of <1.7.

Transient Protection: Ballast shall meet ANSI C62.41 category A.

End-of-Life Protection: Ballast shall have end-of-life detection.

EMI and RFI Limits: Ballast shall comply with the limits of FCC Part 18C for Non-Consumer equipment.

UL, Canadian UL, CSA: Ballast shall be UL, Canadian UL and CSA Certified, Type HL, Class P, Type 1, outdoor, type CC.

Operating Frequency: Ballast shall have a frequency of 40kHz.

Starting Temperature: Ballast shall have a 0°F minimum starting temperature.

Made in U.S.A.: Ballast shall be manufactured in the U.S.A. by Howard Industries, Inc.

Wiring: Ballast shall have plug-in connectors.

Circuit Configuration: Ballast shall be Programmed Rapid Start with Series circuit configuration.

Sound Rating: Ballast shall be sound rated Class A.

Power Factor: Ballast shall have minimum Power Factor of 98% on primary lamp configuration.

Remote Mounting: Ballast shall operate at a maximum of 18 feet at 0°C.

Voltage Range: Ballast shall operate over the extended input voltage range of +/- 10%.

Warranty: Ballast shall have a three-year warranty.

Maximum Case Temperature: Ballast shall operate at a maximum case temperature of 90°C.

Ballast Dimensions: 16.7”L x 1.18”W x 1.0” H.



BALLAST PRODUCTS DIVISION

P.O. Box 1590

Laurel, MS 39441

(601) 422-0033 or

1-800-956-3456

Fax (601) 422-1652

<http://www.>

[howard-ballast.com](http://www.howard-ballast.com)



UL, Canadian UL and
CSA Certified

Standard Power T5 High Output 75°C

PRECISION POWER

MULTI-VOLTAGE - PROGRAMMED RAPID START

EP2/54HO/PRS/MV/75C

Two Lamp Operation, 120V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.87	0.71	1.01	0.94	1.00
Input Watts (ANSI)	106	89	118	112	120
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.81	1.30	0.95	0.82	0.83

One Lamp Operation, 120V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.45	0.38	0.52	0.51	0.54
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77

Two Lamp Operation, 230V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.42	0.35	0.51	0.48	0.52
Input Watts (ANSI)	103	86	115	109	117
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.83	1.35	0.97	0.84	0.85

One Lamp Operation, 230V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.24	0.21	0.28	0.27	0.29
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77

Two Lamp Operation, 277V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.37	0.31	0.43	0.40	0.43
Input Watts (ANSI)	103	86	115	109	117
Power Factor	>0.99	>0.98	>0.99	>0.99	>0.99
Total Harmonic Distortion Rating	<15%	<15%	<10%	<10%	<10%
Ballast Factor	86%	116%	112%	92%	100%
Ballast Efficacy Factor	0.83	1.35	0.97	0.84	0.85

One Lamp Operation, 277V

Lamp Type	FC12T5HO	FT36W/2G11	FT50W/2G11	F55W/2G11	F54T5HO
Lamp Length (Inches)	12 (diam.)	16.5	22.5	21	45
Lamp Watts	55	36/39	50	55	54
Line Current (Amps)	0.20	0.18	0.23	0.22	0.23
Input Watts (ANSI)	55	46	61	58	62
Power Factor	>0.97	>0.95	>0.97	>0.96	>0.97
Total Harmonic Distortion Rating	<20%	<20%	<20%	<20%	<20%
Ballast Factor	88%	118%	115%	96%	110%
Ballast Efficacy Factor	1.60	2.57	1.89	1.66	1.77



**BALLAST
PRODUCTS
DIVISION**

P.O. Box 1590

Laurel, MS 39441

(601) 422-0033 or

1-800-956-3456

Fax (601) 422-1652

[http://www.](http://www.howard-ballast.com)

[howard-ballast.com](http://www.howard-ballast.com)

Standard Power 2-Lamp T5 High Output 75°C

PRECISION POWER

MULTI-VOLTAGE - PROGRAMMED RAPID START

SPECIFICATIONS

EP2/54HO/PRS/MV/75C

Current Crest Factor: Ballast shall have a Lamp Current Crest Factor of <1.7.

Transient Protection: Ballast shall meet ANSI C62.41 category A.

End-of-Life Protection: Ballast shall have end-of-life detection.

EMI and RFI Limits: Ballast shall comply with the limits of FCC Part 18C for Non-Consumer equipment.

UL, Canadian UL, CSA: Ballast shall be UL, Canadian UL and CSA Certified, Type HL, Class P, Type 1, outdoor, type CC.

Operating Frequency: Ballast shall have a frequency of 40kHz.

Starting Temperature: Ballast shall have a 0°F minimum starting temperature.

Made in U.S.A.: Ballast shall be manufactured in the U.S.A. by Howard Industries, Inc.

Wiring: Ballast shall have plug-in connectors.

Circuit Configuration: Ballast shall be Programmed Rapid Start with Series circuit configuration.

Sound Rating: Ballast shall be sound rated Class A.

Power Factor: Ballast shall have minimum Power Factor of 98% on primary lamp configuration.

Remote Mounting: Ballast shall operate at a maximum of 18 feet at 0°C.

Voltage Range: Ballast shall operate over the extended input voltage range of +/- 10%.

Warranty: Ballast shall have a five-year warranty.

Maximum Case Temperature: Ballast shall operate at a maximum case temperature of 75°C.

Ballast Dimensions: 16.7”L x 1.18”W x 1.0” H.



BALLAST PRODUCTS DIVISION

P.O. Box 1590

Laurel, MS 39441

(601) 422-0033 or

1-800-956-3456

Fax (601) 422-1652

<http://www.>

[howard-ballast.com](http://www.howard-ballast.com)



UL, Canadian UL and
CSA Certified