

Standard Power 1-Lamp-T8

STANDARD ELECTRONIC

F96T8 - INSTANT START

FEB 2001

E1/59IS-120

One Lamp Operation, 120 V

Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.49
Input Watts (ANSI)	58
Power Factor	>98%
Total Harmonic Distortion Rating	<10%
Ballast Factor	87%
Ballast Efficacy Factor	1.50
System Lumens Per Watt	86
Initial System Lumens (1)	5000

E1/59IS-277

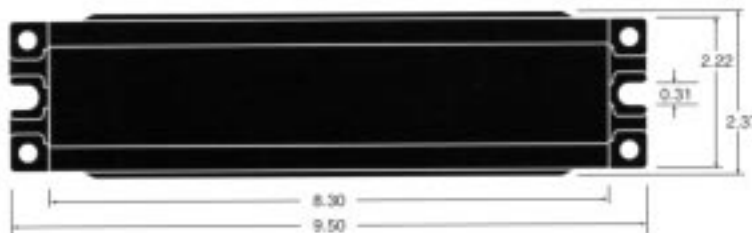
One Lamp Operation, 277V

Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.21
Input Watts (ANSI)	58
Power Factor	>98%
Total Harmonic Distortion Rating	<10%
Ballast Factor	87%
Ballast Efficacy Factor	1.50
System Lumens Per Watt	86
Initial System Lumens (1)	5000

(1) Based on premium 4', T8 lamp initial lumen ratings, produced by the GE, OSRAM/SYLVANIA, or PHILIPS lamp divisions. Shaded area indicates primary lamp design. Actual Initial Lumens produced will be determined by the specific lamp manufacturer and the rated initial lumens for the lamp selected.

BALLAST DIMENSIONS

TOP VIEW



END VIEW



**HOWARD
INDUSTRIES, INC.**



**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-T8

STANDARD ELECTRONIC

F96T8 - INSTANT START

E2/59IS-120

Two Lamp Operation, 120 V

	F96T8
Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.95
Input Watts (ANSI)	112
Power Factor	>98%
Total Harmonic Distortion Rating	<16%
Ballast Factor	87%
Ballast Efficacy Factor	0.78
System Lumens Per Watt	90
Initial System Lumens (1)	10100

One Lamp Operation, 120V

	F96T8
Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.62
Input Watts (ANSI)	73
Power Factor	>98%
Total Harmonic Distortion Rating	<30%
Ballast Factor	113%
Ballast Efficacy Factor	1.55
System Lumens Per Watt	90
Initial System Lumens (1)	6600

E2/59IS-277

Two Lamp Operation, 277 V

	F96T8
Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.41
Input Watts (ANSI)	112
Power Factor	>98%
Total Harmonic Distortion Rating	<16%
Ballast Factor	87%
Ballast Efficacy Factor	0.78
System Lumens Per Watt	90
Initial System Lumens (1)	10100

One Lamp Operation, 277V

	F96T8
Lamp Type	F96T8
Lamp Length (inches)	96
Lamp Watts	59
Line Current (amps)	0.27
Input Watts (ANSI)	73
Power Factor	>98%
Total Harmonic Distortion Rating	<30%
Ballast Factor	113%
Ballast Efficacy Factor	1.55
System Lumens Per Watt	90
Initial System Lumens (1)	6600

(1) Based on premium 4', T8 lamp initial lumen ratings, produced by the GE, OSRAM/SYLVANIA, or PHILIPS lamp divisions. Shaded area indicates primary lamp design. Actual Initial Lumens produced will be determined by the specific lamp manufacturer and the rated initial lumens for the lamp selected.

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Standard Power T8

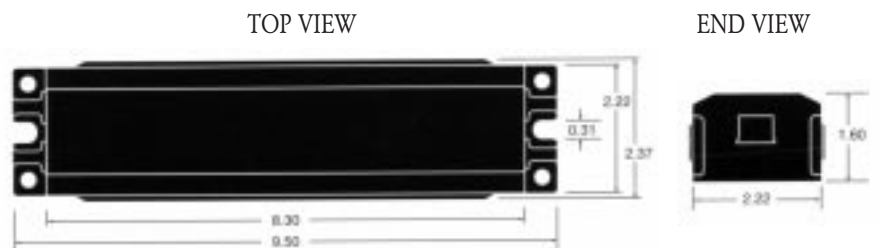
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F96T8 - INSTANT START

SPECIFICATIONS

- Current Crest Factor:** Ballast shall have a Lamp Current Crest Factor of <1.7 .
- Transient Protection:** Ballast shall withstand line voltage transients and surges as specified in ANSI C62.41-1991. Ballast will withstand 6,000 volt Ring Wave standard for location category B3 and 6,000 volt Combination Wave standard for location category C1.
- 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, Class P, Type 1, outdoor.
- Operating Frequency:** Ballast shall have a frequency of 20-27kHz.
- 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.
- Potting:** Ballast shall contain potting compound for proper dissipation of heat, mechanical stability, and moisture protection.
- Lamp Lead Orientation:** Ballast shall have lamp leads exiting both ends of housing.
- Circuit Configuration:** Ballast shall be Instant Start with Parallel 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 20 feet at 0°C.
- Voltage Range:** Ballast shall operate within an input voltage range of $\pm 10\%$.
- Inrush Current:** Ballast shall have an inrush current not greater than 15 times operating current.
- Warranty:** Ballast shall have a five-year warranty.

BALLAST DIMENSIONS



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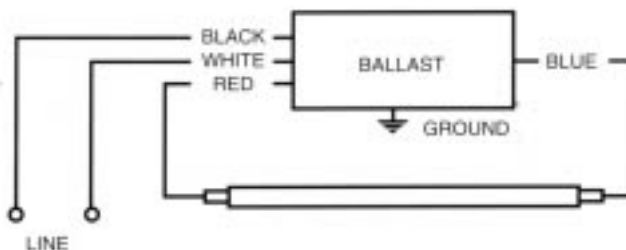
UL, Canadian UL and
CSA Certified

Standard Power T8

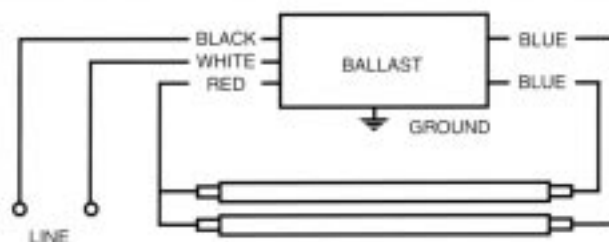
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F96T8 - INSTANT START

1 Lamp Wiring Diagram



2 Lamp Wiring Diagram



For 1-lamp operation cap one blue lead.

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