

QUICKTRONIC® T8 8' Instant Start Universal Voltage

Normal Ballast Factor

Professional Series

Lamp/Ballast Guide

59W T8 8-Foot - OCTRON®
2-lamp QTP2x59T8 UNV ISN SC

Primary Lamp Type:
F096T8 (59W Lamp)

Also operates:
F096T8/SS (55W Lamp)
F072T8
F048T8

SYLVANIA QUICKTRONIC SYSTEM 59 ISN UNV electronic T8 ballasts offer several advantages:

1. Operate OCTRON T8 lamps with maximum efficacy and high lumen output
 - Over 30% energy savings when compared to F96T12 magnetically ballasted systems
2. Longer Lamp Life: provides 50% longer lamp life compared to standard magnetic T12 slimline systems
3. Parallel Circuitry: keeps remaining lamp lit if one goes out
4. Small Can Enclosure for:
 - low profile fixture design
 - transportation, inventory and ergonomic benefits
5. New Banded Packaging
 - Distributor-friendly for easy stocking and individual ballast sales
 - Reduced waste
 - Easy removable bands
 - No tangled wires



Setting the standard for quality, SYSTEM 59 ISN UNV is also covered by our QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

Key System Features

- Over 30% Energy savings
- Provides 50% longer lamp life than standard magnetic T12 slimline lamps
- 88% Ballast factor
- Min. Starting Temp:
 - 0°F (-18°C) for T8 lamps
 - 60°F (16°C) for Energy Saving T8 lamps
- Universal voltage (120-277V)
- <10% THD
- Virtually eliminates lamp flicker

System Information

SYLVANIA QUICKTRONIC SYSTEM 59 ISN UNV advantages:

- Operate from 120V through 277V
 - Eliminates “wrong voltage” errors
 - Reduces inventory by 50%
- Utilizes Instant Start operation for
 - Highest System Efficacy
 - Low temperature starting capability
- Very low harmonic distortion (<10%)THD
- Operate at >40kHz to reduce potential interference with infrared control systems

A complete OSRAM SYLVANIA System Performance Guide showing performance characteristics for all combinations of lamps and ballasts is available upon request.

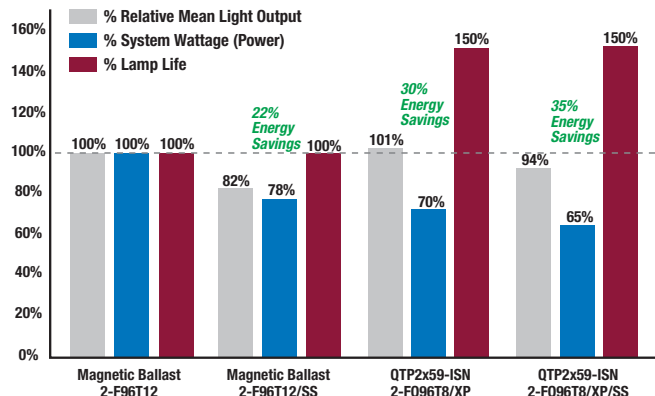
Application Information

SYLVANIA QUICKTRONIC 59 ISN is ideally suited for:

- Commercial
- Retail
- New construction
- Industrial
- Schools
- Retrofit

System Type	Input Power (W)	Initial System Lumens	System Efficacy (LPW)	Mean System Lumens	Relative Mean Light Output	Energy Savings	Lamp Life (%*)
Magnetic Ballast 2-F96T12	160	11,345	71	9985	100%	0%	Baseline
Magnetic Ballast 2-F96T12/SS	125	9330	75	8210	82%	22%	100%
QTP2x59-ISN 2-F096T8/XP (59W)	112	10,735	96	10,090	101%	30%	150%
QTP2x59-ISN F096T8/XP/SS (55W)	104	10,030	96	9430	94%	35%	150%

*3 hours/start



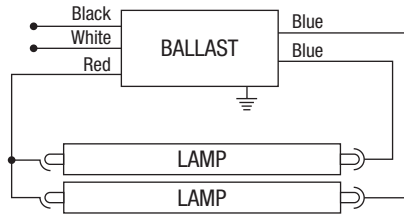
SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

Electronic T8 8-foot Fluorescent Systems Universal Voltage (120-277V)

Item Number	OSRAM SYLVANIA Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF ¹
49590 49598 49599	QTP 2x59T8/UNV ISN-SC <i>Banded Pack</i> <i>10-Pack</i> <i>Pallet Pack</i>	0.93/0.40	F096T8/700 (59W)	5700	2	0.88	10,030	9030	112/110	90/91	0.80
		0.93/0.40	F096T8/XP (59W)	6100	2	0.88	10,735	10,090	112/110	96/98	0.80
		0.85/0.36	F096T8/XP/SS (55W)	5700	2	0.88	10,030	9430	104/102	96/98	0.86
		0.70/0.31	F072T8/XP	4650	2	0.89	8275	7780	86/85	96/97	1.05
		0.47/0.21	F048T8/XP	2850	2	0.89	5075	4770	58	88	1.53
		0.56/0.25	F096T8/XP (59W)	6100	1	1.02	6220	5850	67	93	1.52
		0.51/0.22	F096T8/XP/SS (55W)	5700	1	1.02	5815	5465	62	94	1.65
		0.43/0.20	F072T8/XP	4650	1	1.02	4745	4460	51	93	2.00
		0.30/0.14	F048T8/XP	2850	1	1.03	2935	2760	36	82	2.86

Banded Pack, (add "-B" to Description). Banded Pack and 10-Pack contain 10 pieces each. Pallet Pack contains 840 pieces, (add "-PAL" to Description).
 1: Ballast Efficiency Factor (BEF) shown = (Ballast Factor X 100) divided by Input Power (Note: calculation based on lowest wattage value).



Note: For one lamp application, cap any unused blue lead. Insulate to 600 volts.

QUICKTRONIC 2x59

Dimensions "SC" Small Enclosure:

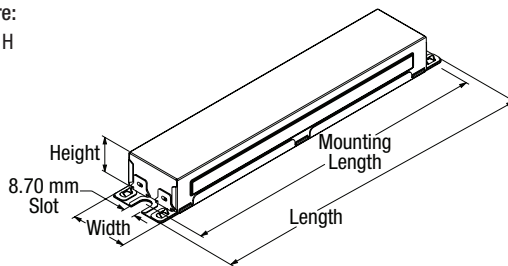
Overall: 9.5" L x 1.68" W x 1.18" H
 Mounting: 8.90"

Product Weight:

1.6 lbs ea. (approx.)

Wiring:

Leads only,
 no connectors provided



Item Number	49598 QTP 2 x 59T8 / UNV ISN SC	Case Size
QUICKTRONIC PROFESSIONAL		Starting/Ballast Factor
Number of Lamps		Line Voltage (120-277V)
Primary Lamp Type (59W F096T8)		

Normal Ballast Factor

59 T8 INSTANT START

Professional Series

Performance Guide

Data based upon SYLVANIA OCTRON® lamps shown. QUICKTRONIC® 59 ISN-SC is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

Specifications

Data based on F096T8

- Starting Method:** Instant Start
- Ballast Factor:** 0.88
- Circuit Type:** Parallel
- Lamp Frequency:** >40kHz
- Lamp CCF:** Less than 1.7
- Starting Temp:²**
 0°F (-18°C) for OCTRON® 96T8 lamps
 60°F (16°C) for SUPERSAVER® lamps
- Input Frequency:** 50/60Hz
- Low THD:** <10%
- Power Factor:** >98%
- Voltage Range:** ±10% of 120-277V
 rated line (108-305V)

- UL Listed Class P, Type 1 Outdoor
- CSA Certified
- 70°C Max Case Temperature
- FCC 47CFR Part 18 Non-Consumer
- Class A Sound Rating
- ANSI C62.41 Cat A. Transient Protection
- GFCI compatible
- Emergency ballast compatible
- Remote Mounting (Max. wire length from ballast case to lampholder):
 - 20 ft: full wattage T8s
 - 10 ft: energy saving T8s

² Operation below 50°F (10°C) may affect light output or lamp operation – see "Low Temp. Starting" definition.

System Life / Warranty

QUICKTRONIC products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

OSRAM SYLVANIA
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 1-800-LIGHTBULB
 (1-800-544-4828)
 www.sylvania.com

Specifications subject to change without notice.