QUICKTRONIC® T8 8-Foot Instant Start UNV Systems

RoHS compliant

Normal Ballast Factor

Professional Series

QTP T8 8FT

Lamp / Ballast Guide

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

Primary Lamp Type:
FO96T8 (59W Lamp)

Also operates:
FO96T8/SS (54W Lamp)
FO72T8
FO48T8

Key System Features

- Over 30% Energy savings
- Provides 50% longer lamp life than standard magnetic T12 slimline lamps
- 0.88 Ballast factor (see table)
- 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
- RoHS compliant
- Lead-free solder and manufacturing process

Application Information

SYLVANIA QUICKTRONIC 59 ISN ballasts
are ideally suited for:

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

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

- **Operate OCTRON T8 lamps** with maximum efficacy and high lumen output
  - Over 30% energy savings when compared to F96T12 magnetically ballasted systems
- **Longer Lamp Life:** provides 50% longer lamp life compared to standard magetic T12 slimline systems
- **Parallel Circuitry:** keeps remaining lamp lit if one goes out
- **Small Can Enclosure for:**
  - low profile fixture design
  - transportation, inventory and ergonomic benefits
- **New Banded Packaging**
- Distributor-friendly for easy stocking and individual ballast sales

- Reduced waste
- Easy removable bands
- No tangled wires

These ballasts are also RoHS compliant and feature lead-free solder and manufacturing process.

Setting the standard for quality, QUICKTRONIC T8 8-foot Instant Start 59 ISN UNV systems are covered by the QUICK 60+® warranty, the first and most comprehensive lamp & ballast system warranty in the industry.

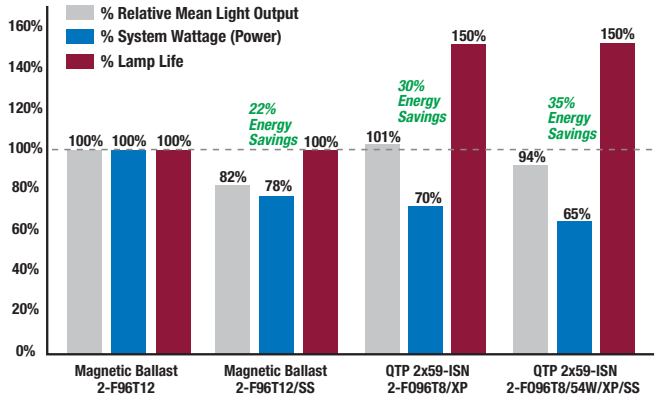
System Information

SYLVANIA QUICKTRONIC SYSTEM 59 ISN UNV ballast 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 >42 kHz to reduce potential interference with infrared control systems
- Customers should always consider upgrading to our High Efficiency Systems to maximize energy savings.

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 F096T8/54W/XP/SS	104	10,030	96	9430	94%	35%	150%

*3 hours/start



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SPECIFICATION DATA

Catalog #	Date	Type
Project	Prepared by	
Comments		

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

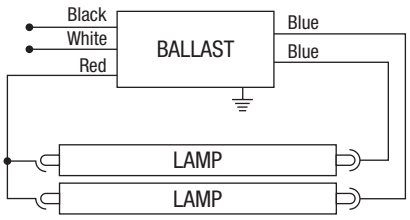
RoHS compliant

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]
	QTP2x59T8/UNV ISN-SC	0.93/0.40	FO96T8/700 (59W)	5700	2	0.88	10,030	9030	112/110	90/91	0.80
49590	*Banded Pack*	0.93/0.40	FO96T8/XP® (59W)	6100	2	0.88	10,735	10,090	112/110	96/98	0.80
49598	*10-Pack*	0.85/0.36	**FO96T8/54W/XP/SS**	**5700**	**2**	**0.88**	**10,030**	**9430**	**104/102**	**96/98**	**0.86**
		0.70/0.31	FO72T8/XP	4650	2	0.89	8275	7780	86/85	96/97	1.05
		0.47/0.21	FO48T8/XP	2850	2	0.89	5075	4770	58	88	1.53
		0.56/0.25	FO96T8/XP (59W)	6100	1	1.02	6220	5850	67	93	1.52
		0.51/0.22	FO96T8/54W/XP/SS	5700	1	1.02	5815	5465	62	94	1.65
		0.43/0.20	FO72T8/XP	4650	1	1.02	4745	4460	51	93	2.00
		0.30/0.14	FO48T8/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.

F096T8/XP/SS (55W) has been re-rated to F096/54W/XP/SS.

1 Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).



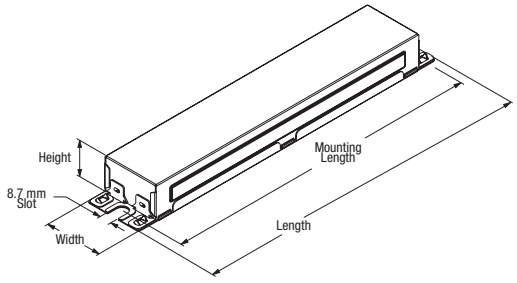
Note: For one lamp application, cap any unused blue lead. Insulate to 600 volts.

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 FO96T8)

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 Ballast Technology & Specification Guide.

Specifications

Data based on F32T8

Starting Method: Instant Start
Ballast Factor: 0.88 - 1.03
Circuit Type: Parallel
Lamp Frequency: >42 kHz
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: 50/60 Hz
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
RoHS Compliant[3]
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 50ºF (10°C) may affect light output or lamp operation – see "Low Temp. Starting" definition.

3 Complies with European Union Restriction of Hazardous Substances Directive (Directive EC 2002/95)

System Life / Warranty

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

OSRAM SYLVANIA
National Customer Service and Sales Center
1-800-LIGHTBULB
(1-800-544-4828)
www.sylvania.com

Specifications subject to change without notice.

QTP T8 8FT