

QUICKTRONIC® T8 8-Foot Instant Start UNV Systems



Normal Ballast Factor

Professional Series

QTP T8 8 FT

Lamp / Ballast Guide

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

Primary Lamp Type:
F096T8 (59W Lamp)

Also operates:
F096T8/SS (54W Lamp)
F072T8
F048T8

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 magnetic 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

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.



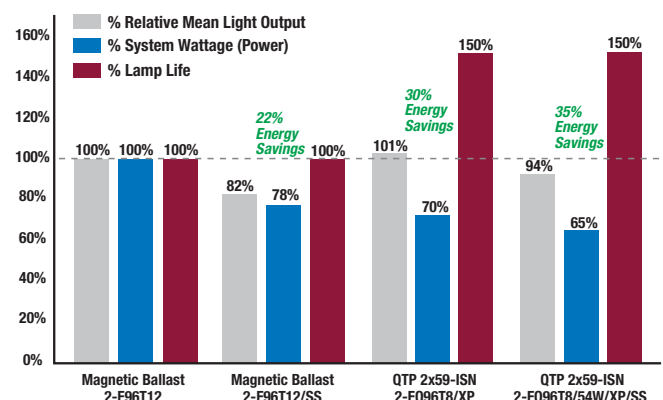
- Reduced waste
- Easy removable bands
- No tangled wires

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 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



SPECIFICATION DATA

| | | |
|-----------|-------------|------|
| Catalog # | Date | Type |
| Project | Prepared by | |
| Comments | | |

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

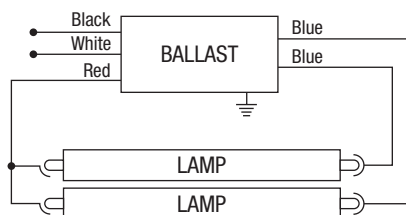


| Item Number | OSRAM SYLVANIA Description | Input Current (AMPS) | Lamp Type | Rated Lumens (lm) | No. of Lamps | Ballast Factor (BF) | System Lumens | Mean Lumens | Input Power (W) | System Efficacy (lm/W) | BEF ¹ |
|-------------|----------------------------|----------------------|------------------|-------------------|--------------|---------------------|---------------|-------------|-----------------|------------------------|------------------|
| 49590 | QTP2x59T8/UNV ISN-SC | 0.93/0.40 | F096T8/700 (59W) | 5700 | 2 | 0.88 | 10,030 | 9030 | 112/110 | 90/91 | 0.80 |
| 49598 | Banded Pack | 0.93/0.40 | F096T8/XP® (59W) | 6100 | 2 | 0.88 | 10,735 | 10,090 | 112/110 | 96/98 | 0.80 |
| | 10-Pack | 0.85/0.36 | F096T8/54W/XP/SS | 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 | F096T8/54W/XP/SS | 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.

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

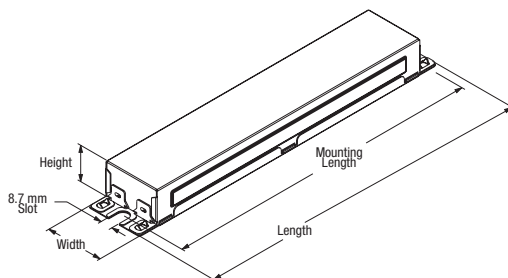
Mounting: 8.90"

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 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 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 Compliant³

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.

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
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 1-800-LIGHTBULB
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Specifications subject to change without notice.