

# **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.



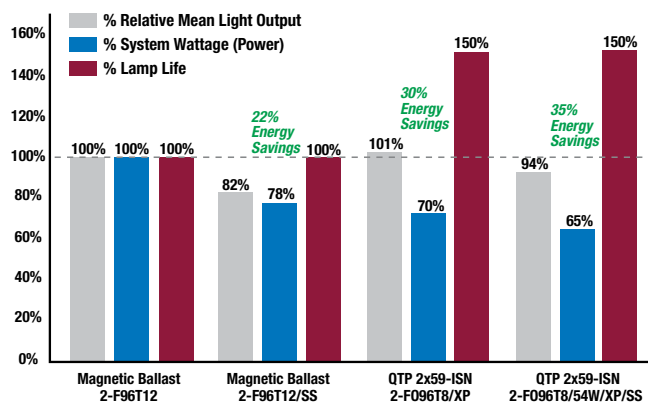
- Reduced waste
- Easy removable bands
- No tangled wires

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)

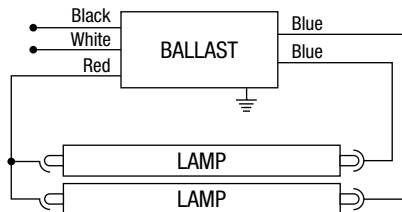


Item Number	OSRAM SYLVANIA Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Mean Lumens	Input Power (W)	System Efficacy (lm/W)	BEF <sup>1</sup>
49590	QTP2x59T8/UNV ISN-SC	0.93/0.40	F096T8/700 (59W)	5700	2	0.88	10,030	9030	112/110	90/91	0.80
49590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

<sup>1</sup> 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

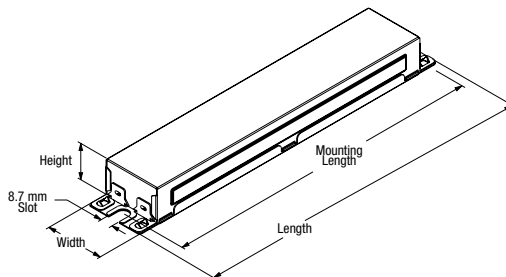
Mounting: 8.90"

#### 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 F096T8

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:<sup>2</sup>

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<sup>3</sup>

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

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

<sup>3</sup> 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.

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