

**SPECIFICATION DATA**

Catalog #	Date	Type
Project	Prepared by	
Comments		

**Normal Ballast Factor**

**96 T12HO UNV**

**Professional Series**

**Performance Guide**



**Specifications**  
Data based on F96T12HO

**Starting Method:** Rapid Start  
**Circuit Type:** Series  
**Starting Temp:** -20°F (-29°C) for F96T12HO; 60°F (16°C) for SUPERSAVER F96T12HO/SS  
**Lamp CCF:** Less than 1.7  
**Lamp Frequency:** >20kHz  
**Low THD:** <10%  
**Voltage Range:** ±10% of Rated Input  
**Input Frequency:** 50/60 Hz  
**Power Factor:** >98%  
 cUL Listed Class P, Type 1 Outdoor  
 75°C Max Case Temperature  
 FCC 47CFR Part 18 Non-Consumer  
 ANSI C62.41 Cat A. Transient Protection  
 Remote Mounting: Contact OSI for remote mounting options.  
 Class A Sound Rating  
 4 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 the QUICK 60+® warranty, a comprehensive 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](http://www.sylvania.com)

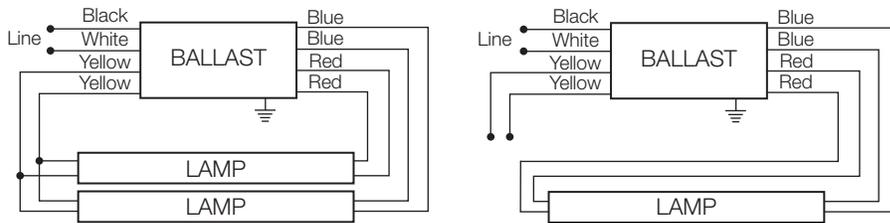
*Specifications subject to change without notice.*

**T12HO SYSTEMS**

**QUICKTRONIC® T12HO Rapid Start Electronic Fluorescent Ballasts Universal Voltage (120-277V)**

Item Number	OSRAM SYLVANIA Description	Input Current (AMPS) @120/277V	Lamp <sup>1</sup> Type	Rated <sup>2</sup> Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (W) @120/277V	System Efficacy (lm/W) @120/277V	BEF <sup>3</sup>
50319	QTP2x96T12HO/UNV	1.65/0.71	F96T12HO	9050	2	0.85	15,385	196	78	0.43
		1.38/0.60	F96T12HO/SS	8000	2	0.90	14,400	164	88	0.55
		1.30/0.56	F72T12HO	6250	2	0.90	11,250	154	73	0.58
		1.10/0.47	F60T12HO	5200	2	0.90	9360	132	71	0.68
		0.88/0.38	F48T12HO	4050	2	0.90	7290	104	70	0.87
		0.88/0.38	F96T12HO	9050	1	0.92	8325	104	80	0.88

1: Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards. ⊗ New Product.  
 2: 96T12HO rated lamp lumens and performance data based on F96T12CW/HO/SS and F96T12/D41/HO series lamps.  
 3: Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).  
 50319 replaces discontinued item numbers 49883 QT2x96/120 HO and 49884 QT 2x96/277HO



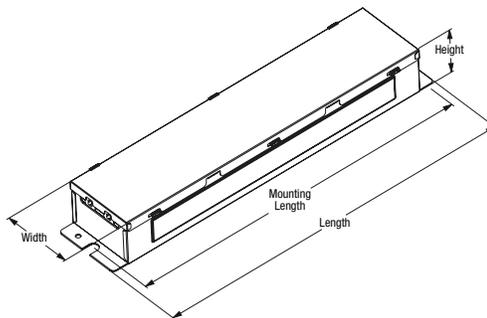
Note: For one lamp application, individually cap each yellow lead. Insulate to 600 volts.

**QUICKTRONIC 2x96T12HO**

**Dimensions:**  
 Overall: 11.8" L x 2.15" W x 1.61" H  
 Mounting: 11.0"

**Packaging:**  
 Quantity: 6 pieces  
 Weight: 2.77 lbs ea. (1260 grams)

**Wiring:**  
 Leads



Item Number \_\_\_\_\_ 50319 QTP 2 x 96T12 / HO / UNV \_\_\_\_\_ Line Voltage (120-277V)  
 QUICKTRONIC \_\_\_\_\_ System Type  
 Number of Lamps \_\_\_\_\_ Primary Lamp Type

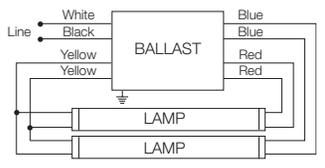
**SPECIFICATION DATA**

Catalog #	Date	Type
Project	Prepared by	
Comments		

**QUICKTRONIC® T12 Electronic Fluorescent Ballasts  
40T12RS & 96T12IS Universal Voltage (120-277V)**

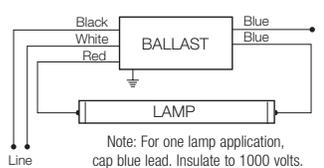
Item Number	OSRAM SYLVANIA Description	Input Current (AMPS) @120/277V	Lamp' Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (W) @120/277V	System Efficacy <sup>2</sup> (lm/W) @120/277V	BEF <sup>1</sup>
50314	QTP2x40T12/UNV/RS/SC	0.62/0.27	F40T12/D30/ECO	3200	2	0.88	5630	74/74	76	1.19
		0.53/0.23	F34/D830/SS	2900	2	0.85	4930	63/63	78	1.35
50308	QTP2x96T12/UNV/IS	1.12/0.50	F96T12/D41/ECO	6420	2	0.86	11,040	134/130	82/85	0.66
		0.91/0.40	F96T12/CW/SS	5300	2	0.87	9220	108/106	85/87	0.82
		0.88/0.40	F72T12/CW	4500	2	0.92	8280	105/103	79/80	0.89
		0.62/0.28	F48T12/CW	2820	2	0.92	5190	73/71	71/73	1.30
		0.52/0.24	F48T12/SS/CW	2450	2	0.92	4510	62/61	73/74	1.51
		0.69/0.31	F96T12/D41/ECO	6420	1	1.01	6485	82/81	79/80	1.25
		0.56/0.27	F96T12/CW/SS	5300	1	1.10	5830	67/66	87/88	1.67
		0.55/0.26	F72T12/CW	4500	1	1.07	4815	65/64	74/75	1.67

New 50308 QTP2x96T12/UNV/IS model replaces 50318 that is discontinued.  
 Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards.  
 1: Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).  
 2: System Efficacy calculation based on lowest input power value unless otherwise noted.

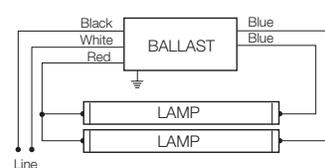


Ground Ballast and mount lamps within 1/2" of grounded metal reflector

**QTP 2x40T12 RS**



Note: For one lamp application, cap blue lead. Insulate to 1000 volts.

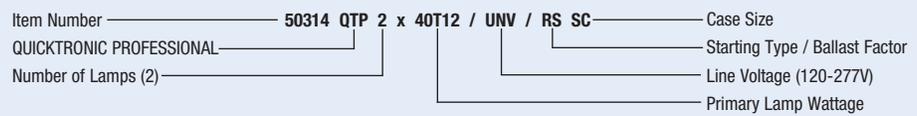


Ground Ballast and mount lamps within 1/2" of grounded metal reflector

**QTP 2x96T12 IS**

**Dimensions:**  
 Model QTP2x40T12/UNV/RS/SC enclosure size  
 Overall: 9.5" L x 1.38" W x 1.18" H  
 Mounting: 8.9"  
 Weight: 1.25 lbs ea. (approx.)

**Dimensions:**  
 Model QTP2x96T12/UNV/IS enclosure size  
 Overall: 11.75" L x 2.15" W x 1.61" H  
 Mounting: 11"  
 Weight: 4.67 lbs ea. (approx.)



**Normal Ballast Factor**

**T12 UNV**

**Professional Series**

**Performance Guide**



**T12 SYSTEMS**

**Specifications**

Data based on F40T12 for RS, F96T12 for IS

**Starting Method:**  
 RS - Rapid Start  
 IS - Instant Start

**Circuit Type:** RS - Parallel;  
 IS - Parallel;

**Starting Temp:** 0°F (-18°C)  
 SUPERSAVER® Lamps: 60°F(16°C)

**Input Frequency:** 60 Hz  
 THD: QTP40T12/UNV RS: <10%;  
 QTP2x96T12 IS: <15%

**Power Factor:** QTP40T12/UNV RS: >97%  
 QTP2x96T12 IS >0.96 (for F96T12);  
 >0.91(for other lamps)

**Input Voltage:** ±10% of Rated Input  
**Lamp Crest Factor:** <1.8  
**Lamp Frequency:** >20kHz

UL Listed Class P, Type 1 Outdoor  
 CSA or CUL Certified  
 70°C Max. Case Temp.  
 FCC 47CFR Part 18 Non-Consumer  
 Class A Sound Rating  
 ANSI C62.41 Cat A. Transient Protection

**System Life / Warranty**

QUICKTRONIC products are covered by the QUICK 60+® 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.

