

# QUICKTRONIC® T12HO Rapid Start

Electronic Fluorescent Ballasts

Universal Voltage (120-277V)

Normal Ballast Factor

**96 T12HO**

Professional Series

Performance Guide

T12HO SYSTEMS

Item Number (NAED)	Description	Input Current (AMPS)	Lamp <sup>1</sup> Type	Rated <sup>2</sup> Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (W)	System Efficacy (lm/W)	BEF <sup>3</sup>
*270KFU (75303)	QTP 2x96T12HO UNV IS SC EB	1.57/0.67	F96	9050	2	0.89	15385	189	81	0.47
		1.27/0.55	F96T12HO/ES	8000	2	0.85	14400	152	94	0.56
		1.19/0.51	F72T12HO	6250	2	0.90	11250	138	81	0.64
		0.98/0.42	F60T12HO	5200	2	1.00	9360	116	80	0.86
		0.82/0.35	F48T12HO	4050	2	0.90	7290	93	79	0.97
		0.88/0.35	F96T12HO	9050	1	0.91	8325	100	83	0.91

NAED in parentheses is provided as a cross reference for the new item number.

<sup>1</sup> Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards.

<sup>2</sup> 96T12HO rated lamp lumens and performance data based on F96T12CW/HO/ES and F96T12/D41/HO series lamps.

<sup>3</sup> Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).



## Specifications

Data based on F96T12HO

Starting Method: Rapid Start

Circuit Type: Series

Starting Temp:<sup>4</sup> -20°F (-29°C) for F96T12HO; 60°F (16°C) for energy-saving F96T12HO/ES

Lamp CCF: Less than 1.7

Lamp Frequency: >20 kHz

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

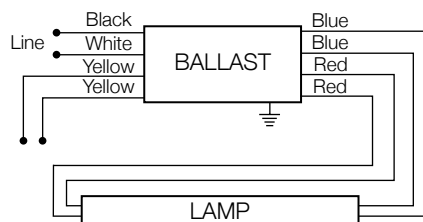
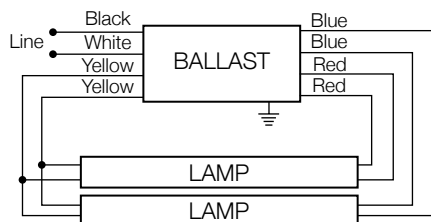
ANSI C62.41 Cat A. Transient Protection

Remote Mounting: Contact OSI for remote mounting options.

Class A Sound Rating

<sup>4</sup> Operation below 50°F (10°C) may affect light output or lamp operation – see "Low Temperature Starting" definition.

### QUICKTRONIC 2x96T12HO UNV IS SC EB



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

#### Dimensions:

Overall: 9.5" L x 1.7" W x 1.18" H

Mounting: 8.9"

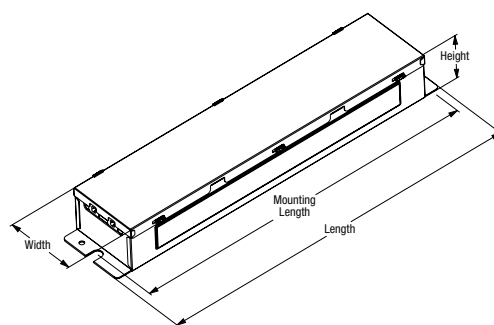
#### Packaging:

Quantity: 4 pieces

Weight: 1.38 lbs ea. (626 grams)

#### Wiring:

Leads



Item Number \_\_\_\_\_ \*280KFU QTP 2 x 96T12 HO UNV EB \_\_\_\_\_ Electrical Ballast  
 QUICKTRONIC \_\_\_\_\_ Line Voltage (120-277V)  
 Number of Lamps \_\_\_\_\_ System Type  
 Primary Lamp Type \_\_\_\_\_

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# QUICKTRONIC® T12

## Electronic Fluorescent Ballasts

### 40T12RS & 96T12IS Universal Voltage (120-277V)

## Normal Ballast Factor

# T12

## Professional Series

### Specifications

Data based on F40T12 for RS, F96T12 for IS

Item Number (NAED)	Description	Input Current (AMPS)	Lamp <sup>1</sup> Type	Rated <sup>2</sup> Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (W)		System Efficacy <sup>2</sup> (lm/W)		BEF <sup>1</sup>
								120V	277V	120V	277V	
*280KFP (75304)	QTP 2x40T12 UNV RS SC EB	0.56/0.24	F40T12/D30/ECO	3200	2	0.91	5630	67	67	76	1.36	
		0.45/0.20	F34/D830/ES	2900	2	0.91	4930	54	54	78	1.69	
		0.29/0.13	F40T12/D30/ECO	3200	1	0.91	2815	35	35	80	2.6	
		0.24/0.11	F34/D830/ES	2900	1	0.91	2456	28	28	88	3.21	
*280KFT (75305)	QTP 2x96T12 UNV RS SC EB	1.13/0.48	F96T12/D41/ECO	6420	2	0.88	11040	135	132	82	0.65	
		0.90/0.39	F96T12/CW/ES	5300	2	0.87	9220	108	106	85	0.81	
		0.91/0.40	F72T12/CW	4500	2	0.92	8280	108	107	77	0.85	
		0.55/0.25	F96T12/D41/ECO	6420	1	1.04	6485	84	82	77	1.24	
		0.53/0.24	F96T12/CW/ES	5300	1	1.04	5830	70	68	83	1.49	
		0.70/0.31	F72T12/CW	4500	1	1.05	4815	68	67	70	1.54	

NAED in parentheses is provided as a cross reference for the new item number.

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

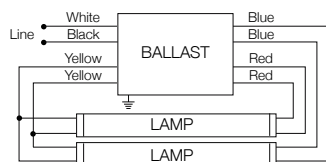
2 System Efficacy calculation based on lowest input power value unless otherwise noted.

Also compatible with other manufacturer's equivalent lamp types that meet ANSI standards.

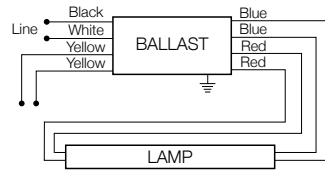


T12 SYSTEMS

#### QTP 2x40T12 RS SC EB

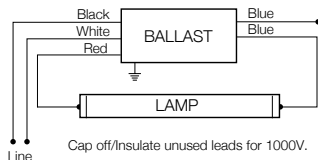


Ground Ballast and mount lamps within 1/2" of grounded metal reflecto



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

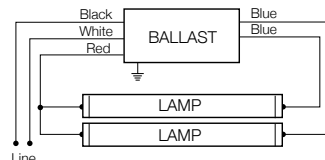
#### QTP 2x96T12 IS SC EB



Cap off/Insulate unused leads for 1000V.

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

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



Starting Method: RS - Rapid Start  
IS - Instant Start

Circuit Type: RS - Parallel  
IS - Parallel

Starting Temp: 5 0°F (10°C)

Energy-saving 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: <1.6

Lamp Frequency: >20 kHz

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

#### Dimensions:

Model QTP 2x40T12 UNV RS SC enclosure size

Overall: 9.5" L x 1.3" W x 1.0" H

Mounting: 8.9"

Weight: 1.25 lbs ea. (approx.)

#### Dimensions:

Model QTP 2x96 T12 UNV IS enclosure size

Overall: 9.5" L x 1.3" W x 1.0" H

Mounting: 8.9"

Weight: 4.67 lbs ea. (approx.)

## Warranty

QUICKTRONIC® Ballasts have a 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

Item Number	*280KFP	QTP	2	x	40T12	UNV	RS	SC	EB	Electrical Ballast
QUICKTRONIC PROFESSIONAL										Case Size
Number of Lamps (2)										Starting Type / Ballast Factor
Primary Lamp Wattage										Line Voltage (120-277V)

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