

QUICKTRONIC® Residential T8

Instant Start Systems

Residential Series



For Residential Use Only

Normal Power Factor

Residential Series

Lamp / Ballast Guide

32W T8 - fluorescent lamps
2 or 1 lamp QTR2x32T8120ISNSC
4 or 3 lamp QTR4x32T8120ISNSC

Also operates:

FB32,FB31,F25,FB24,F17,FB16,
F30/SS,FB30/SS (30W),
FB29/SS (29W),F28/SS (28W) &
F25/SS (25W)

F40T8 operation:

1 lamp on 2L ballast
3 lamp on 4L ballast

QUICKTRONIC RESIDENTIAL ballasts bring all the energy saving features from standard commercial grade ballasts to an economical design acceptable for residential fixtures. These ballasts comply with FCC Part18 Consumer requirements thereby making them a perfect complement for ENERGY STAR® rated fixtures. QTR ballasts are for residential use only.

QUICKTRONIC RESIDENTIAL T8 electronic ballasts operate fluorescent T8 lamps with maximum efficacy, high lumen output, and provide up to 30-40% energy savings when compared to F40T12 magnetic systems.

Small can enclosure allows for low profile fixture design and application.

Parallel circuitry is utilized to keep the remaining lamps lit if one or more should go out.

QUICKTRONIC RESIDENTIAL T8 is available in two and four lamp models in 120V to cover a wide range of applications.

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

Key System Features

- RESIDENTIAL USE ONLY
 - Normal power factor (>0.50)
 - High THD (<200%)
- FCC Consumer Compliant
- Small can housing (SC)
- Normal ballast factor
- 30-40% Energy savings
- 0°F (-18°C) min. starting temp. for fluorescent T8 lamps
- 60°F (16°C) min. starting temperature with energy saving T8 lamps
- High luminous efficacy
- Virtually eliminates lamp flicker
- Quiet operation
- Lightweight
- RoHS compliant
- Lead-free solder and manufacturing process

System Information

QUICKTRONIC RESIDENTIAL T8 uses instant start operation to provide the highest system efficacy and to assure low temperature starting capability. Instant start also provides for maximum remote wiring distances.



System Type 2-lamp ISN-SC		Input Power (W)	Initial Lumens	System LPW
F40T12	Std. Magnetic Ballast	96	5795	60
	E.S. Magnetic Ballast	86	5795	67
F34T12	Std. Magnetic Ballast	82	4750	58
	E.S. Magnetic Ballast	72	4750	66
F32T8/700	Magnetic	71	5320	75
F032/800XP	QTR 2x32T8 120 ISN SC	55	5220	95
System Type 4-lamp ISN		Input Power (W)	Initial Lumens	System LPW
F40T12	Std. Magnetic Ballast	192	11,590	60
	E.S. Magnetic Ballast	172	11,590	67
F34T12	Std. Magnetic Ballast	164	9500	58
	E.S. Magnetic Ballast	144	9500	66
F32T8/700	Magnetic	142	10,640	75
F032/800XP	QTR 4x32T8 120 ISN SC	110	10,080	92

Application Information

QUICKTRONIC Residential Ballasts

are ideally suited for Residential Fixtures:

- ENERGY STAR® fixture
- New residential construction
- Suspended luminaires
- Surface mount
- Cove lighting

SPECIFICATION DATA

Catalog # _____ Date _____ Type _____

Project _____ Prepared by _____

Comments _____

Residential Series (Residential Use Only), Fluorescent Electronic T8 Systems 120V



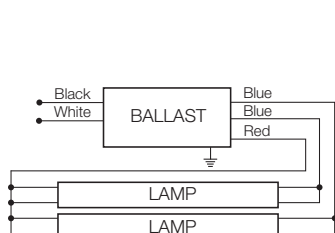
Item Number (NAED)	Description	Input Current (AMPS)	Lamp Type	Rated Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Power (W)	System Efficacy (lm/W)	BEF ¹
*2746AT (50984)	QTR 2x32T8 120 ISN SC J4 - 4-Pack	0.89	F32/XP	3000	2	0.87	5220	55	95	1.58
		0.56		3000	1	1.03	3090	34	91	3.03
*280KFN	QTR 2X32T8 120 ISN SC EB J4	0.74	F25/XP	2175	2	0.90	3915	45	87	2.00
		0.49		2175	1	1.05	2285	28	82	3.75
		0.54	F17/XP	1375	2	0.93	2560	30	85	3.10
		0.36		1375	1	1.07	1470	19	77	5.63
		0.89	FB32/XP	2900	2	0.87	5045	55	92	1.58
		0.56		2900	1	1.03	2985	34	88	3.03
		0.85	FB31/XP	2775	2	0.88	4885	54	90	1.63
		0.56		2775	1	1.03	2860	33	87	3.12
*2746AU (50985)	QTR 4x32T8 120 ISN SC J4 - 4-Pack	1.70	F32/XP	3000	4	0.84	10,080	110	92	0.76
		1.46		3000	3	0.96	8640	92	94	1.04
*280KFF	QTR 4X32T8 120 ISN SC EB J4	1.38	F25/XP	2175	4	0.88	7655	86	89	1.02
		1.18		2175	3	1.00	6525	72	91	1.39
		1.00	F17/XP	1375	4	0.92	5060	60	84	1.53
		0.87		1375	3	1.03	4250	51	83	2.02
		1.71	F40/XP	3750	3	0.91	10,235	112	91	0.81
		1.36		3750	2	1.09	8175	86	95	1.27

NAED in parentheses is provided as a cross reference for the new item number.
¹ Ballast Efficiency Factor (BEF) = (Ballast Factor x 100) divided by Input Power

Installation Notes

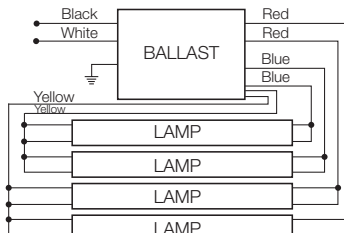
RESIDENTIAL USE ONLY – QTR electronic ballasts meet FCC consumer limits, have high THD (<200%) and normal power factor (>0.50), therefore are for residential use only and cannot

be used in commercial applications. (RESIDENTIAL ONLY: Do not use in commercial/three phase applications, neutral wire/overheating can occur due to high harmonic currents).



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

QUICKTRONIC RESIDENTIAL 2x32



Note: For three lamp application, cap blue lead.
 Insulate to 600 volts.

QUICKTRONIC RESIDENTIAL 4x32

For two lamp application, cap both unused blue leads & one yellow lead individually. Insulate to 600 volts.

Dimensions:

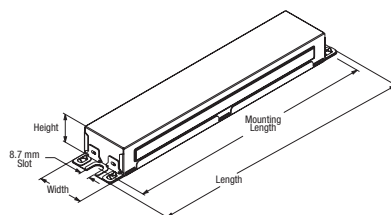
Overall: 9.5" L x 1.68" W x 1.18" H
 Mounting: 8.90"

Product Weight:

1.6 lbs each (approx.)

Wiring:

Leads only
 (no connectors provided)



Item Number ————— *2746AT QTR 2 x 32T8 120 ISN SC ————— Case Size
 QUICKTRONIC RESIDENTIAL ————— Starting/Ballast Factor
 Number of Lamps ————— Line Voltage
 Primary Lamp Wattage

Normal Ballast Factor

T8 Instant Start

120V Residential Series

Performance Guide

QUICKTRONIC® RESIDENTIAL T8 ballasts are also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

All models will also operate F17, F25 and F32 (and the U-Bend equivalent) T8 lamps.

Specification

Data based on F32T8 lamp

RESIDENTIAL USE ONLY

Starting Method: Instant Start

Ballast Factor: Normal

Circuit Type: Parallel

Lamp Frequency: >42 kHz

Lamp CCF: Less than 1.7

Starting Temp:²

0°F for T8 lamps; 60°F for energy-saving T8 lamps

Input Frequency: 60 Hz

THD: <200%

Normal Power Factor: >0.50

Voltage Range: ±10% of Rated Input

UL Listed Class P, Type 1 Outdoor
 CSA Certified (4L only)

70°C Max Case Temperature

FCC 47CFR Part 18 Consumer

Class A Sound Rating

RoHS Compliant³

ANSI C62.41 Cat. A Transient Protection

Remote Mounting (Max. wire length from ballast case to lampholder):
 up to 18 feet

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)

Warranty

QUICKTRONIC® Ballasts have a 2 year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

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