

# Electronic Sign Ballasts



Cat. No.: EESB-1048-26L-120-277V

**Electronic Fluorescent Lamp Ballast**  
 For use with 2 to 6 HO T12 (T8 / Slimline) fluorescent lamps 1' to 4'.

Single lamp per circuit: 8' max up to 6 circuit or 10' max up to 4 circuit.  
 Multiple lamps per circuit: 1' max up to 6 circuit.  
 Nominal Input: 120 to 277V and 50/60 Hz.  
 Open Circuit Voltage: 900 Volts.  
 Voltage to ground: less than 60V.  
 Minimum starting temperature: 20°F/-30°C.  
 HIGH POWER FACTOR: Thermally protected.  
 Sound rating A, Class P, No PCB's. For type 2 Outdoor, Non-weatherproof.

Lamp Specification	Input Current @ 120V
1' (1) T12 (1) HO	0.35A
2' (2) T12 (2) HO	0.70A
3' (3) T12 (3) HO	1.05A
4' (4) T12 (4) HO	1.40A
5' (5) T12 (5) HO	1.75A
6' (6) T12 (6) HO	2.10A
8' (8) T12 (8) HO	2.80A
10' (10) T12 (10) HO	3.50A



Cat. No.: RSS696AT

**High Output Electronic Fluorescent Ballast**  
 For any 4 to 6 lamp combination of T12 / T8 HO/RS lamps.  
 Lamp group "A" consists of lamps 1, 2, 3 and "B" consists of lamps 4, 5 & 6.  
 Total lamp length for each group "A" or "B" is not less than 12' (T12) / 18' (T8).  
 Input Voltage: 120 V, 50/60 Hz. Input Current: 4.15 Amps.  
 Open Circuit Voltage: 950 Volts.  
 Voltage to ground: less than 60V.  
 Minimum starting temperature: 20°F/-30°C.  
 HIGH POWER FACTOR: Thermally protected.  
 Sound rating A, Class P, No PCB's. For type 2 Outdoor, Non-weatherproof.

Lamp Specification	Input Current @ 120V
4' (1) T12 (1) HO / 1' (1) T8 (1) HO	4.15A
5' (2) T12 (2) HO / 1' (1) T8 (1) HO	5.50A
6' (3) T12 (3) HO / 1' (1) T8 (1) HO	6.85A
7' (4) T12 (4) HO / 1' (1) T8 (1) HO	8.20A
8' (5) T12 (5) HO / 1' (1) T8 (1) HO	9.55A
9' (6) T12 (6) HO / 1' (1) T8 (1) HO	10.90A
10' (7) T12 (7) HO / 1' (1) T8 (1) HO	12.25A
11' (8) T12 (8) HO / 1' (1) T8 (1) HO	13.60A
12' (9) T12 (9) HO / 1' (1) T8 (1) HO	14.95A
13' (10) T12 (10) HO / 1' (1) T8 (1) HO	16.30A



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## DOE Federal Ballast Ruling

The U.S. Department of Energy sets forth a regulation that creates a new metric for measuring ballast efficiency and establishes a higher standard that will impact many of today's fluorescent T8, T5 and T12 ballasts. Effective November 14, 2014 ballasts that do not comply with the DOE Energy Conservation Standards for Fluorescent Lamp Ballasts will be prohibited from manufacture and import in the U.S., but existing inventories can be sold until they are exhausted.

## Electronic vs Ferromagnetic Ballasts

DOE certified Electronic Ballasts are much lighter than their Ferromagnetic Ballast counterparts. These Electronic Ballasts are now much more energy efficient and reduce consumption by as much as 25 -35 percent. This is a huge savings opportunity for sign users, especially when they start seeing a faster return on investment. ROI doesn't stop here.

The total number of ballast types required to stock will be reduced, since each ballast will now operate on a wider range of lamp footages and input voltages. In addition, Electronic Ballasts do not generate excessive heat, in turn keeping your signs cool.

## Fluorescent H.O. Lamp Holders

- 12" lead length
- Special thermoplastic flexible sealing material
- Expands and contracts with temperature changes
- Electrical connection protected from moisture
- Self extinguishing sealer adhesive
- Will not crack or deteriorate like clay-based sealers
- Electrical contacts remain rigid when expanded
- Electrical contact with lamp remains strong even after hundreds of relampings
- Complies with U.L. 48, U.L. 879
- Available in Tombstone and Flush Mount versions





# We Have the Solution

## RSS Series Wired Electronic Ballasts

- Direct replacement for ferromagnetic ballasts (no rewiring required)
- 3 RSS Ballasts replace 15 existing models for less inventory and increased savings
- For use with T8 and T12 HO Lamps (2' to 10' in length)
- New smaller profile allows for greater adaptability for low profile signage menu board applications
- Quiet operation in all installation conditions, sound rated 'A'
- Conventional series wiring
- Cold weather start at -20° F (-30° C)
- Meets FCC Rating, low RFI and EMI ensures no interference issues
- Meets ANSI C82.11 Standards
- Less than 8% THD for installation confidence
- Thermal protection
- Increased lamp life



## EESB Parallel Wired Electronic Ballasts

- Ease of wiring for new installations
- Instant start, easy to use red/blue parallel wiring, which reduces wiring time
- Rewiring of the lamp sockets required when used as a replacement for ferromagnetic ballasts (rewiring diagrams provided)
- 5 models replace 26 magnetic ballasts for less inventory and increased savings
- Available in 120 volt and multi-voltage (120V - 277V)
- For use with T12 HO, T8 HO and Slimline Lamps
- Runs cooler than conventional magnetic ballasts; adds life to ballasts and lamps
- Each lamp is on its own circuit and will stay on if other lamps go out
- Operates at a low line voltage; brown-outs don't effect it
- Minimum starting temp -20° F (-30° C)
- Light weight - from 2 to 9.5 lbs
- Title 24 Compliant



Watch our *Magnetic to Electronic Replacement Video* at [www.allanson.com](http://www.allanson.com)

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## Warranty

Allanson Lighting Components provides a 4 year warranty on Electronic Sign Ballasts. For more information, please contact customer service.

## Customer Service



[cservice@allanson.com](mailto:cservice@allanson.com)



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Information is subject to change without notice.

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