



Antron Electronics Co.,LTD  
安雄電子股份有限公司

# T8 Step Dimming Fluorescent Ballast



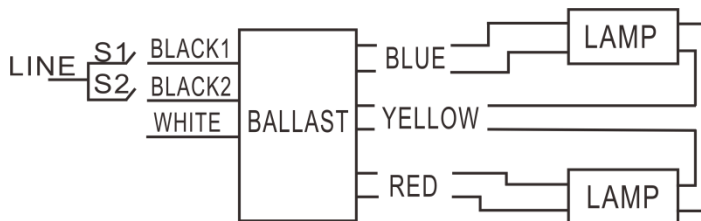
|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Model Name      | TSD-332T8MS-SD                                                                  |
| Ballast Type    | Electronic                                                                      |
| Starting Method | Program Start                                                                   |
| Lamp connection | Series                                                                          |
| Input Voltage   | 347V                                                                            |
| Input Frequency | 50/60 Hz                                                                        |
| Warranty        | 5 Years $TC \leq 75^{\circ}C$<br>3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$ |

## Safety & Performance



- Two lamps
- UL/cUL Listed
- UL Type 1 Outdoor
- FCC part 18 Class A
- Sound Rated Class A
- Class P Thermally Protected
- High Power Factor
- Surge Protected
- Auto Restart
- No PCBs
- Type CC & Type HL
- Class P

## Wire Diagram



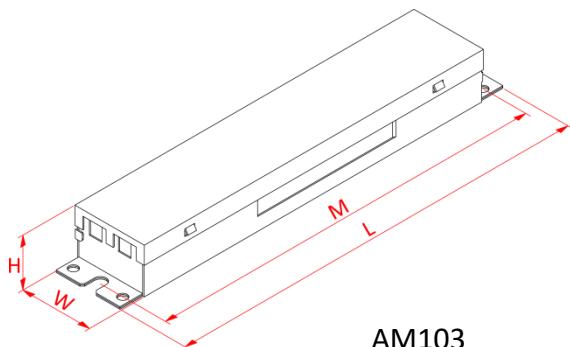
Full light(full power) S1&S2 closed(on)  
Bi-level mode S1orS2 open(off)

Maximum Wiring Distance (at full load) is 18AWG/18Feet

Case must be grounded

| Lead Length | Inch | Cm   |
|-------------|------|------|
| Black       | 18.8 | 48   |
| White       | 18.8 | 48   |
| Red         | 30.9 | 78.5 |
| Blue        | 30.9 | 78.5 |
| Yellow      | 46.4 | 118  |

## Enclosure



AM103

| Enclosure   | Inch | Cm   |
|-------------|------|------|
| Length(L)   | 9.5  | 24.1 |
| Width(W)    | 1.7  | 4.3  |
| Height(H)   | 1.2  | 3.05 |
| Mounting(M) | 8.9  | 22.6 |



## Electrical Specification with Different Lamps

| Lamp Type          | No. of Lamps | Input Voltage (V) | Rated Lamp Watts | Min Start Temp (°F/°C) | Input Current (Amps) | Input Power (W) (Min/Max) | Ballast Factor (Min/Max) | MAX THD (%) | Power Factor  | MAX Lamp Current Crest Factor | BEF           |
|--------------------|--------------|-------------------|------------------|------------------------|----------------------|---------------------------|--------------------------|-------------|---------------|-------------------------------|---------------|
| 32W T8             | 2            | 347               | 32               | 32/0                   | 0.19/<br>0.17        | 29/59                     | 0.37/<br>0.88            | 15/<br>10   | 0.98/<br>0.99 | 1.7                           | 1.23/<br>1.46 |
| 25W T8             | 2            | 347               | 25               | 32/0                   | 0.08/<br>0.14        | 28/48                     | 0.37/<br>0.88            | 15/<br>10   | 0.98/<br>0.98 | 1.7                           | 1.32/<br>1.83 |
| 17W T8             | 2            | 347               | 17               | 32/0                   | 0.06/<br>0.10        | 20/34                     | 0.37/<br>0.88            | 15/<br>15   | 0.97/<br>0.98 | 1.7                           | 2.58/<br>1.46 |
| 32W T8/<br>ES(30W) | 2            | 347               | 30               | 32/0                   | 0.09/<br>0.16        | 30/54                     | 0.37/<br>0.88            | 15/<br>10   | 0.98/<br>0.99 | 1.7                           | 1.23/<br>1.63 |
| 32W T8/<br>ES(28W) | 2            | 347               | 28               | 32/0                   | 0.09/<br>0.15        | 29/52                     | 0.37/<br>0.88            | 15/<br>10   | 0.97/<br>0.99 | 1.7                           | 1.28/<br>1.69 |
| 32W T8/<br>ES(25W) | 2            | 347               | 25               | 32/0                   | 0.08/<br>0.14        | 28/48                     | 0.37/<br>0.88            | 15/<br>15   | 0.97/<br>0.98 | 1.7                           | 1.32/<br>1.83 |