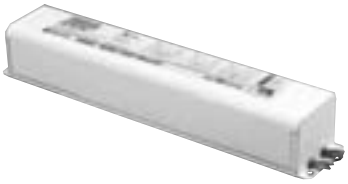
# HIGH OUTPUT BALLASTS



- Provide ultra-reliable low-temperature starting (as low as –20°F)
- Support 1 to 6 lamps
- Ideal for rugged outdoor sign cabinet applications
- Class P thermally protected

# STANDARD HIGH OUTPUT SIGN BALLASTS

| Catalog Number | Total Lamp Footage | Start Temp (°F) | Max. Line Cur. | Max. Input Watts | Open Circuit Volt. | Wiring Diagram | Dimen. Chart Ref. | Weight (lbs.) |
|---|---|---|---|---|---|---|---|---|
| **PLASTIC SIGN BALLASTS - HIGH OUTPUT 800mA RS LAMPS - 120 Volts - 60 Hz** | | | | | | | | |
| **TWO LAMP BALLASTS** | | | | | | | | |
| USB-0412-12 | 4´ min. - 12´ max. | -20 | 1.35 | 160 | 500 | 1a, 2a | 1 | 8 |
| **FOUR LAMP BALLASTS** | | | | | | | | |
| USB-0816-14 | 8´ min. - 16´ max. | -20 | 1.90 | 220 | 590 | 4a, 6a, 9, 1b | 2 | 12 |
| USB-1024-14 | 10´ min. - 24´ max. | -20 | 2.70 | 325 | 720 | 4a, 6a, 9, 1b | 3 | 14 |
| USB-1632-24 | 16´ min. - 32´ max. | -20 | 3.50 | 420 | 950 | 4a, 6a, 9 | 4 | 16 |
| **SIX LAMP BALLASTS** | | | | | | | | |
| USB-2036-46 | 20´ min. - 36´ max. | -20 | 4.00 | 480 | 600 | 5a, 7, 7a | 4 | 18 |
| USB-2048-46 | 20´ min. - 48´ max. | -20 | 5.00 | 600 | 720 | 5a, 7, 7a | 4 | 18 |

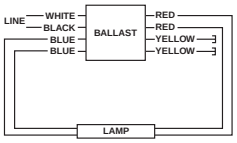



Diagram 1a

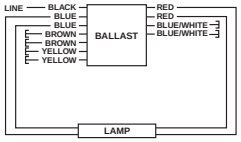



Diagram 1b

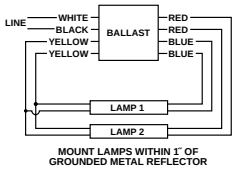



Diagram 2a

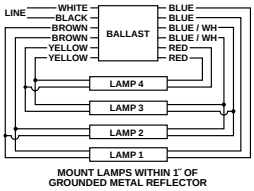



Diagram 4a

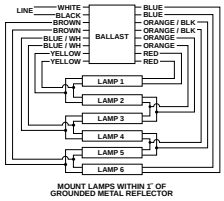



Diagram 5a

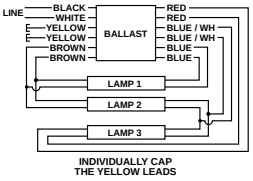



Diagram 6a

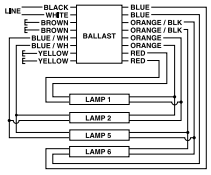



Diagram 7

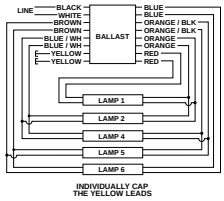



Diagram 7a

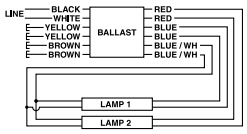
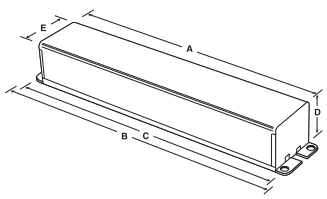



Diagram 9




## PLASTIC SIGN FLUORESCENT BALLASTS DIMENSION CHART - STANDARD CASE (INCHES)

| Ref. # | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | 10 3/64˝ | 11 45/64˝ | 11 9/64˝ | 1 1/4˝ | 3 3/16˝ |
| 2 | 10 3/64˝ | 11 45/64˝ | 11 9/64˝ | 2 43/64˝ | 3 3/16˝ |
| 3 | 13 3/16˝ | 14 5/16˝ | 13 3/4˝ | 2 43/64˝ | 3 3/16˝ |
| 4 | 15 9/16˝ | 16 11/16˝ | 16 1/8˝ | 2 43/64˝ | 3 3/16˝ |

**Diagrams Notes:**

Note 1: When operating a two-lamp ballast on one lamp insulate each yellow lead.

Note 3: When operating a four-lamp ballast on three lamps insulate each yellow blue/white, and brown lead.