

You don't need a warehouse full of inventory to service your ballast requirements! Universal Lighting Technologies brings you the new **Signa® MSB-3** fluorescent sign ballasts, which replace more than 100 conventional ballasts with just three models. Stock just three ballasts for any sign repair or fabrication. From 1 to 6 lamps, 2 to 48 feet in total length, the **Signa® MSB-3** has it covered!



Now you can easily put your signs back in business on the first service call 100% of the time! No more waiting for the right ballast for the job. The **Signa® MSB-3** puts it right in your hands. Reduce downtime for your customers, slash your ballast inventory and light up your bottom line!

Features & Benefits

- Minimize inventory. Only 3 ballasts to order and stock; operate 1–6 lamps, 2–48 feet in total length.
- Full three-year warranty. Date coding stamped clearly on ballast label.
- Ballasts are UL-listed and CSA-approved.
- Packaged individually in strong, durable cartons to protect your investments.
- Capacitor for power factor correction contains no PCBs.
- Superior fill material coats all components and fills all voids to dissipate heat for cooler operation, longer life.
- Grommet seals eliminate wicking of moisture through lead openings.
- Integral mounting brackets.
- Low-watt-loss steel lamination and all-copper coils assure optimum performance. This translates into cooler, more efficient operation and longer life.

| MSB-3 SIGN BALLASTS | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|------------------------------------|---|---|---|--------------|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| No. of Lamps Per Ballasts | TOTAL LAMP FOOTAGE FOR T12HO LAMPS | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 |
| 1-6 | MSB-218-816 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | MSB-1232-816 | | | | | | | | | | | | | | | | | |
| | | | | | MSB-1048-816 | | | | | | | | | | | | | | | | | | |

MSB-3 BALLASTS

- 3 ballasts replace existing sign ballast inventory
- Cover most applications (1 to 6 lamps, 2 to 48 feet)
- Same wiring in existing magnetic sign ballasts.
- Low-watt-loss steel lamination and all-copper coils for high performance
- Ideal for sign maintenance
- UL Class P thermally protected, Type 2 Outdoor, Hazardous Location Rated

| DIMENSION CHART | | | | | |
|------------------------|-------------|----------------|-----------------|---------|--------|
| Standard Case (Inches) | | | | | |
| | Case Length | Overall Length | Mounting Length | Height | Width |
| 1 | 13 3/16 | 14 5/16 | 13 3/4 | 2 43/64 | 3 3/16 |
| 2 | 15 9/16 | 16 11/16 | 16 1/8 | 2 43/64 | 3 3/16 |

| Catalog Number | Total Lamp Footage | Start Temp (°F) | Max. Line Cur. | Max. Input Watts | Open Circuit Volt. | Wiring Diagram | Dimen. Chart | Weight (lbs.) |
|----------------|--------------------|-----------------|----------------|------------------|--------------------|----------------|--------------|---------------|
|----------------|--------------------|-----------------|----------------|------------------|--------------------|----------------|--------------|---------------|

MSB - PLASTIC SIGN FLUORESCENT BALLASTS - HIGH OUTPUT 800mA RS LAMPS - 120 Volts - 60 Hz

SIX LAMP BALLASTS

| | | | | | | | | |
|--------------|---------------------|-----|------|-----|-----|------------------|---|----|
| MSB-218-816 | 2' min. - 18' max. | -20 | 2.00 | 240 | 625 | 3, 4, 5, 6, 7, 8 | 1 | 15 |
| MSB-1232-816 | 12' min. - 32' max. | -20 | 3.50 | 410 | 970 | 3, 4, 5, 6, 7, 8 | 2 | 16 |
| MSB-1048-816 | 10' min. - 48' max. | -20 | 4.80 | 570 | 800 | 1, 2, 3, 4, 7, 8 | 2 | 18 |

Lead Lengths (Inches)

| Catalog Number | White | Black | Blues | Reds | Yellows | Browns | Oranges | Orange Blacks | Blue Whites |
|----------------|-------|-------|-------|------|---------|--------|---------|---------------|-------------|
|----------------|-------|-------|-------|------|---------|--------|---------|---------------|-------------|

MSB - PLASTIC SIGN FLUORESCENT BALLASTS - HIGH OUTPUT 800mA RS LAMPS - 120 Volts - 60 Hz

SIX LAMP BALLASTS

| | | | | | | | | | |
|--------------|----|----|----|----|----|----|----|----|----|
| MSB-218-816 | 24 | 24 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| MSB-1232-816 | 24 | 24 | 80 | 60 | 60 | 80 | 60 | 60 | 72 |
| MSB-1048-816 | 24 | 24 | 80 | 80 | 70 | 50 | 60 | 60 | 50 |

WIRING DIAGRAMS FOR PLASTIC SIGN FLUORESCENT BALLASTS

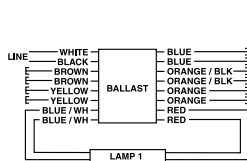


Diagram 1

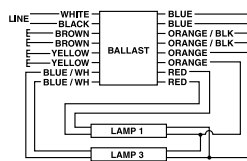


Diagram 2

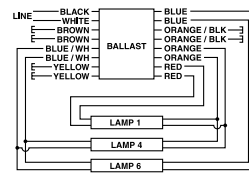


Diagram 3

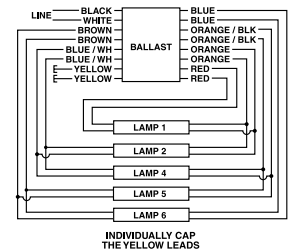


Diagram 4

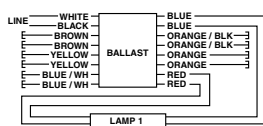


Diagram 5

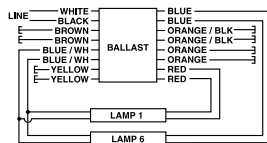


Diagram 6

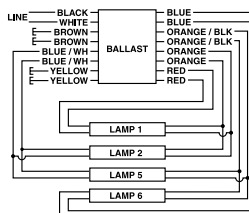


Diagram 7

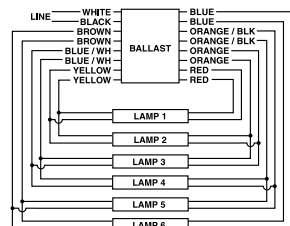


Diagram 8

All specification information is subject to change without notification.
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