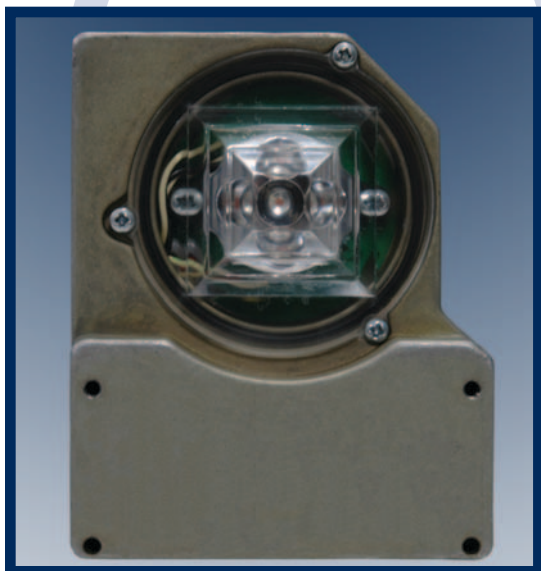




## 892 Series LED

### 8<sup>3</sup>/<sub>8</sub>" WAYSIDE SIGNAL LAMP MODULE



#### FEATURES / BENEFITS

- ▲ Features hi-flux LEDs to simulate point light source for enhanced optical performance
  - Faster on/off response time than incandescent lamps improves safety
  - Flicker resistance & reduced current draw
  - 5+ year life reduces maintenance costs
- ▲ L.O.D compliant (vital relay)
- ▲ Prevents sun phantom effects by eliminating use of colored inner filter lenses
- ▲ Designed to fit Safetran, US&S, GRS, and other 8<sup>3</sup>/<sub>8</sub> inch diameter transit wayside signal heads
- ▲ Uses existing signal head outer lens
- ▲ 12 volt DC
- ▲ Power factor correction & reduced THD
- ▲ Certified for rail environment

#### APPLICATION

▲ The 892 Series LED Wayside Signal Lamp Modules were developed by Dialight specifically for use in Class 1 Railroad, 8<sup>3</sup>/<sub>8</sub>" signals in retrofit applications where replacement of existing incandescent light bulbs is desired. This installation approach provides all the benefits of LEDs without the complex retrofit of the entire lens and housing assemblies. Installation is nearly as simple as replacement of the incandescent bulb. Dialight lamp modules have been fully qualified for the Rail environment and incorporate power factor correction and total harmonic distortion reduction circuitry.

▲ Dialight is the recognized leader in LED applications for transportation signaling, and has worked cooperatively with leading transit rail customers to develop this unique solution to wayside signal applications for LEDs. It is proven to be a preferred product over traditional 5mm LED distributed array solutions.



A4703



ISO 9001

#### Dialight Corporation

1501 Route 34 South • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • [www.dialight.com](http://www.dialight.com)



a Roxboro Group Company

MDTR892X001\_A



# 892 Series LED 8<sup>3</sup>/<sub>8</sub>" Wayside Signal Lamp Module

## ELECTRICAL CHARACTERISTICS @ 25°C

### USA

| Part Number         | Color  | Description                                                       | Operating Voltage |
|---------------------|--------|-------------------------------------------------------------------|-------------------|
| 892-1G06-231-RA-003 | Green  | Ring lug, 12" leads, w/LOD, w/out hardware*, AREMA Specifications | 12 VDC            |
| 892-1R06-231-RA-003 | Red    | Ring lug, 12" leads, w/LOD, w/out hardware*, AREMA Specifications | 12 VDC            |
| 892-1Y06-231-RA-003 | Yellow | Ring lug, 12" leads, w/LOD, w/out hardware*, AREMA Specifications | 12 VDC            |
| 892-1W06-231-RA-003 | Lunar  | Ring lug, 12" leads, w/LOD, w/out hardware*, AREMA Specifications | 12 VDC            |
| 892-1B06-231-RA-003 | Blue   | Ring lug, 12" leads, w/LOD, w/out hardware*, AREMA Specifications | 12 VDC            |

### CHINA

| Part Number         | Color  | Description                                                                      | Operating Voltage |
|---------------------|--------|----------------------------------------------------------------------------------|-------------------|
| 891-1G05-131-RC-000 | Green  | Dwarf, Ring lug, 12" leads, w/out hardware*, China Specifications                | 12 VAC            |
| 891-1R05-131-RC-000 | Red    | Dwarf, Ring lug, 12" leads, w/out hardware*, China Specifications                | 12 VAC            |
| 891-1Y05-131-RC-000 | Yellow | Dwarf, Ring lug, 12" leads, w/out hardware*, China Specifications                | 12 VAC            |
| 891-1W05-131-RC-000 | Lunar  | Dwarf, Ring lug, 12" leads, w/out hardware*, China Specifications                | 12 VAC            |
| 891-1B05-131-RC-000 | Blue   | Dwarf, Ring lug, 12" leads, w/out hardware*, China Specifications                | 12 VAC            |
| 892-1G05-231-RC-004 | Green  | Ring lug, 12" leads, redundant LED string, w/out hardware*, China Specifications | 12 VAC            |
| 892-1R05-231-RC-004 | Red    | Ring lug, 12" leads, redundant LED string, w/out hardware*, China Specifications | 12 VAC            |
| 892-1Y05-231-RC-004 | Yellow | Ring lug, 12" leads, redundant LED string, w/out hardware*, China Specifications | 12 VAC            |
| 892-1W05-231-RC-004 | Lunar  | Ring lug, 12" leads, redundant LED string, w/out hardware*, China Specifications | 12 VAC            |
| 892-1B05-231-RC-004 | Blue   | Ring lug, 12" leads, redundant LED string, w/out hardware*, China Specifications | 12 VAC            |

\* Requires hardware kit

## OPTICAL PERFORMANCE @ 25°C

| 892 SERIES | Description           | Minimum Initial Light Output | Beam Angles         |
|------------|-----------------------|------------------------------|---------------------|
|            |                       | On-axis Intensity (cd)       |                     |
|            | Red Wayside Signal    | 2100                         | 2°12'(H) x 1°10'(V) |
|            | Yellow Wayside Signal | 3900                         | 2°12'(H) x 1°10'(V) |
|            | Green Wayside Signal  | 2800                         | 2°12'(H) x 1°10'(V) |
|            | White Wayside Signal  | 3200                         | 2°12'(H) x 1°10'(V) |
|            | Blue Wayside Signal   | 400                          | 2°12'(H) x 1°10'(V) |



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