StreetSENSE™ RS Series
LED Roadway Sign Light

Certifications & Ratings:
- Compliant to IES RP-19-01 Roadway Sign Lighting
- Retrofit Cover Assemblies Recognized to UL-1598 Wet Locations
- Complete Fixture Listed to UL-1598 Wet Locations
- CSA 22.2
- ANSI C136.31-2001 (vibration)
- MIL STD 810F (salt / fog)

Features & Benefits:
- Mercury free
- Long lasting / low maintenance
- Low power consumption offers 60-70% energy savings vs. 250W MV
- Superior color rendition index compared to HPS, LPS, MH, MV
- Instant on/off operation - no cool down or warm up time required for full illumination
- Resistant to roadway vibration and shock
- Universal input (120-277 VAC)
- Weather/corrosion resistant lamp assembly and housing
- >70% lumen maintenance after 60,000 operating hours

Application:
Dialight introduces the state-of-the-art StreetSENSE LED fixtures designed specifically for “new” and “retrofit” installations of Roadway Sign Lights.

All of Dialight’s long life LED luminaires are designed to meet the most demanding specification criteria while offering maximum energy savings, reduced maintenance costs, and a superior quality of light.

Mechanical Information:
- Fixture Weight: 25 lbs - Retrofit cover assembly, Halophane 25 lbs - Retrofit cover assembly, GE 32 lbs - Complete fixture
- Mounting: Retrofit to Halophane SIGN-VUE enclosure Retrofit to GE VERSAFLOOD SIGNLIGHTER® Plate mounting of complete fixture Pole mounting of complete fixture (For inverted over head installations, please consult factory)
- Mounting Accessories: Pole mount clamp

Electrical Specifications:
- System Power Consumption: 70W and 100W versions available
- Operating Input Voltage: 120-277 VAC, 50/60 Hz
- EMI/RFI (Noise Suppression): FCC Title 47, Subpart B, Section 15, class A devices.
- Power Factor: > 0.90
- THD (typ): < 5% @ 120 Vac < 10% @ 230/240 Vac < 15% @ 277 Vac
- Minimal Operating Temp: -40°F

Construction:
- Body: Powder coated aluminum
- Lens: High impact polycarbonate with UV stabilizer and “hard coat” for abrasion resistance
- Cover: Powder coated aluminum

Photometric Information:
- CCT: 5300K (cool white) 4100K (neutral white)
- CRI (typ): 70

Table 1

<table>
<thead>
<tr>
<th>Description</th>
<th>Power (typ)</th>
<th>Color</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialight Complete Fixture &amp; Box and cover assembly includes wiring box and light engine for mounting on a flat plate</td>
<td>70W</td>
<td>Cool White</td>
<td>RSC4IF-C</td>
</tr>
<tr>
<td></td>
<td>70W</td>
<td>Neutral White</td>
<td>RSC4NF-C</td>
</tr>
<tr>
<td></td>
<td>100W</td>
<td>Cool White</td>
<td>RSC4K-C</td>
</tr>
<tr>
<td></td>
<td>100W</td>
<td>Neutral White</td>
<td>RSC4NK-C</td>
</tr>
<tr>
<td>Saddle Mounting Clamp For mounting complete fixture to pipe (conduit)</td>
<td>70W</td>
<td>Cool White</td>
<td>RSC4IF-H</td>
</tr>
<tr>
<td></td>
<td>70W</td>
<td>Neutral White</td>
<td>RSC4NF-H</td>
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<tr>
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<td>100W</td>
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<tr>
<td></td>
<td>100W</td>
<td>Neutral White</td>
<td>RSC4NK-H</td>
</tr>
<tr>
<td>Dialight Retrofit Cover Assembly (only) For use on Halophane SIGN-VUE enclosures</td>
<td>70W</td>
<td>Cool White</td>
<td>RSC4IF-G</td>
</tr>
<tr>
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<tr>
<td></td>
<td>100W</td>
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<td>RSC4NK-G</td>
</tr>
</tbody>
</table>

*Fixture mounting plate & mounting bolts provided by others.

Patents Pending

Dialight reserves the right to make changes at any time in order to supply the best product possible. Please refer to www.dialight.com for the most current information.
StreetSENSE™ RS Series LED Roadway Sign Light Mounting Configuration

Dialight Complete Fixture

Dialight Retrofit Cover Assembly

Complete fixture illustrating cover assembly and enclosure.

Retrofit assembly showing lid and light engine.

Side View - Complete Fixture

Side View - All Units

Designs shown are for reference only.

Inside box of Dialight Complete Unit

Pipe Clamp and Typical Mount

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Dialight reserves the right to make changes at any time in order to supply the best product possible. Please reference www.dialight.com for the most current literature.
DOTs and other agencies must now choose alternative lamp sources for the replacement of these fixtures and for new construction or additions. Under the Federal Energy Policy Act (EPACT 2005) and the Energy Independence and Security Act, conventional mercury vapor lamps and all 150-500 watt metal halide probe start ballasts were mandated to be substituted with more energy efficient alternatives.

**Going GREEN**

The 70 or 100W StreetSENSE RS series LED fixture can typically replace a 250W or higher mercury vapor / metal halide unit while still meeting or exceeding the Roadway Sign Light Specifications, so it delivers CO2 reduction and energy savings of 60-70% over conventional lights. This efficiency is further enhanced by its instant-on/off ability with no necessary warm up to achieve full illumination. In addition its ‘green’ credentials are assured by the fact that it is 100% mercury free and dark skies friendly; this is assured by its highly efficient optics that focus the light just where it’s needed, avoiding light spill.

**Maintenance Free**

The rugged, solid state StreetSENSE RS series fixture is not only an energy efficient alternative, but its projected fixture service life of ten years (50% on-time, >70% lumen maintenance after 60K hours) also brings other significant benefits. These include the elimination of frequent lamp changes and reduction of overall maintenance costs as well as reducing exposure of maintenance workers to dangerous highway traffic. For road users they deliver added safety by producing a quality of light that is vastly superior to conventional sources and by eliminating dark road signs resulting from burned out conventional lamps.

**Ease of installation**

Dialight offers complete fixture assemblies for new, retrofit or complete replacement applications including a unique LED retrofit cover assembly kit option that will adapt to most installed conventional fixture boxes. The retrofit involves only the removal of the existing fixture’s cover, lamp and reflector which is then replaced with the Dialight LED cover assembly, leaving most of the existing wiring connections untouched, so the conversion is simple and easy, saving both time and money.