LED SEALED BEAM REPLACEMENT HEADLAMP BULBS

FEATURES & BENEFITS

- Designed to swap into existing housings that H6024 (90941-5) and H6054 (90951-5) currently fit into.
- Designed for a standard H4 connection, no additional wiring needed for vehicles featuring standard H4 wiring.
- Long lasting LEDs and impact resistant polycarbonate lens outperform OEM halogen and incandescent bulbs in longevity, light output and pattern.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>FMVSS/SAE</th>
<th>Product Description</th>
<th>Low Beam Watt</th>
<th>High Beam Watt</th>
<th>Voltage (V)</th>
<th>Amperage (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90941-5</td>
<td>2D-1</td>
<td>Grote 7 LED Head Lamp</td>
<td>15</td>
<td>27</td>
<td>9-32</td>
<td>1.4 @12.8 low 2.13 @12.8 low</td>
</tr>
<tr>
<td>90951-5</td>
<td>2B-1</td>
<td>Grote 5/7 LED Head Lamp</td>
<td>21</td>
<td>33</td>
<td>9-32</td>
<td>1.59 @12.8 low 2.54 @12.8 high</td>
</tr>
<tr>
<td>94401-5</td>
<td>2A-1</td>
<td>Grote 4x6 LED Head Lamp Combination</td>
<td>18.84@12V 18.84@24V</td>
<td>18.84@12V 18.84@24V</td>
<td>9-32</td>
<td>1.57 @12V 0.77 @24V</td>
</tr>
<tr>
<td>94411-5</td>
<td>1A-1</td>
<td>Grote 4x6 LED Head Lamp High Beam</td>
<td>N/A</td>
<td>17.16@12V 16.08@24V</td>
<td>9-32</td>
<td>1.43 @12V 0.67 @24V</td>
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<tr>
<td>94421-5</td>
<td>2A-1</td>
<td>Grote 4x6 LED Head Lamp Low Beam</td>
<td>13.08@12V 12.72@24V</td>
<td>N/A</td>
<td>9-32</td>
<td>1.09 @12V 0.53 @12V</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>68630</td>
<td>self-addressable pigtail for vehicles with non-standard H4 wiring</td>
</tr>
</tbody>
</table>

Materials

- Housing anodized aluminum, Lens uv-coated polycarbonate

Certifications

- 7” lamp meets DOT, FMVSS, SAE standards for 2D-1
- 5x7 lamp meets DOT, FMVSS, SAE standards for 2B-1
**PER-LUX® SNOWPLOW LAMPS**

Resilient, polycarbonate housing and halogen sealed beam withstands hours of use at sub-zero temperatures • Features integrated parking and turn signal lights • Rubber shock mount and center mounting stud absorbs road shock • Optional 5-way Packard® Connector

<table>
<thead>
<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>64261-4</td>
<td>Pair Pack</td>
</tr>
<tr>
<td>64241</td>
<td>LH</td>
</tr>
<tr>
<td>64251</td>
<td>RH</td>
</tr>
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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>64291-4</td>
<td>Pair Pack</td>
</tr>
<tr>
<td>64271</td>
<td>LH</td>
</tr>
<tr>
<td>64281</td>
<td>RH</td>
</tr>
</tbody>
</table>

Material: Polycarbonate
FMVSS: H, I2, P
Finish: Black
Bulb: H6545, Major - 65 Watt, 40,000 C.P./Minor - 45 Watt, 25,000 CP
Volts / Amps: 12V / 5.0/3.5A
Bulb: 1157, 32/3 CP; Volts / Amps: 12V / 2.1/.59A; Pigtail: 68680 (64291-4)
Lens: Yellow 90483

**SNOWPLOW LAMP KIT WITH UNIVERSAL WIRING HARNESS**

Integrated turn signal/parking lamp lens • Vibration-dampening mounting system prolongs bulb life • Kit includes left and right side lamps, heavy-duty selector switch, wiring connectors, mounting hardware, and easy installation instructions

<table>
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<th>Part Number</th>
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<tbody>
<tr>
<td>63451-4</td>
<td>Pair Pack</td>
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<table>
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<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>63381</td>
<td>LH</td>
</tr>
<tr>
<td>63391</td>
<td>RH</td>
</tr>
</tbody>
</table>

Material: Polycarbonate
FMVSS: H, I2, P
Finish: Black
Bulb: H6054, Major - 65 Watt/Minor - 35 Watt; Volts / Amps: 12V / 5/2.7A
Bulb: 1157, 32/2 CP; Volts / Amps: 12V / 2.1A
Bulb: 1156, 32 CP; Volts / Amps: 12V / 2.1A
Lens: Yellow 93163

**SLIM-LINE HALOGEN FOG LIGHTS**

Housing made of die-cast aluminum • Ion coated lens • Kit includes lamps, switch, wiring, and instructions • Not compliant for FMCSA 393.24(b) applications

<table>
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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>64371-5</td>
<td>Clear, Fog Lamp Kit</td>
</tr>
</tbody>
</table>

Material: Die-Cast Aluminum
FMVSS: F
Finish: Black
Bulb: H3, 55 Watt, 121 CP; Volts / Amps: 12V / 4.7A
Accessory: Bulb: 90861-5/90971-5
Lens: Clear 93131
MINI HALOGEN FOG AND DRIVING LAMP KIT

Low-profile styling • High-impact nylon housing • Kit includes lamps, rocker switch and installation kit • Not compliant for FMCSA 393.24(b) applications

64061-5 Clear, Driving Lamp Kit
Material: Nylon
Finish: Black
Bulb: H3, 55 Watt, 121 CP
Volts / Amps: 12V / 4.7A
Accessory: Bulb: 90861-5/90971-5

HALOGEN FOG LAMP

Glass lens resists hazing • Aluminized reflector for increased brightness • Black powder coated hardware • Industry-standard electrical connector • Watertight design on the front of the lamp • Meets FMSCA 393.25(b)

63531 Black
Material: Glass/Plastic Housing
FMVSS: F
Finish: Black
Bulb: H3, 55 Watt, 121 CP
Volts / Amps: 12V / 4.7A

SPORT AND UTILITY LAMP KIT

Rugged, high-impact plastic construction • Hardened glass lens • Mounts above or below bumper • Kit includes lamps, rocker switch and installation kit • Meets FMCSA 393.25(b) applications

64351-5 Clear, Fog Lamp Kit
64401-5 Clear, Driving Lamp Kit
Material: ABS
Finish: Clear
Bulb: H3, 55 Watt, 121 CP
Volts / Amps: 12V / 4.7A
Accessory: Bulb: 90861-5/90971-5

PAR 56 7” HEADLAMP

7-inch headlamp • Includes sealed beam #6014 for 12-volt systems • Ideal for many trucks, road maintenance vehicles, off-road equipment, in-plant vehicles, material handling trucks, mine cars, dune buggies, etc.

64071 Black, Powder Coated
Material: Steel
Finish: Black
Bulb: 6014, PAR 56, 50 Watt/60 Watt, 25,000/32,000 CP
Volts / Amps: 12V / 4.7/3.9A

ROUND OFF-ROAD LAMP

Rugged steel housing • Universal-swivel, rubber-cushioned mounting pedestal

64481-5 Black
64501-5 Chrome
Material: Steel
FMVSS: O
Finish: Chrome, Black
Bulb: H3, 100 Watt, 192 CP; Volts / Amps: 12V / 8.33A
Accessory: Bulb: 92701-5
Lens: Clear 93171
**PER-LUX® 200 SERIES FOG AND DRIVING LAMPS**

Louvers direct the beam low to the road so reflected glare from fog, rain, or snow is safely avoided  •  Pierces 100 feet through the densest fog  •  Rugged stainless steel housing

### HALOGEN:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Halogen</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>02001-4</td>
<td>Clear, Fog / Driving Lamp, Swivel Mount, Pair Pack</td>
<td>FOG</td>
<td>138</td>
</tr>
</tbody>
</table>

- **Material:** Stainless-Steel
- **Finish:** Stainless
- **Bulb:** H7621-1, 20,000 CP
- **Volts / Amps:** 12V / 3.9A; 50 Watt
- **Accessory:** Springs for Sealed Beam Ret. For Swivel Mount Lamps 09510 (pair pack);
- **Lens:** Clear Glass 09561

**PER-LUX® 500 SERIES FOG AND DRIVING LAMPS**

Pair Packs include wiring kits  •  All lamps come with swivel mount  •  Fog lamp beam pattern pierces through fog, rain, snow, or dust effectively, focused ahead and low to the road, and giving a side-to-side as well as forward illumination

### HALOGEN:

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<tbody>
<tr>
<td>05001-5</td>
<td>All Weather Louvered, H9421, Pair Pack, Stainless Steel</td>
<td>FOG</td>
<td>138</td>
</tr>
<tr>
<td>05151</td>
<td>All Weather Louvered, H9421, Single, Stainless Steel</td>
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<tr>
<td>05301-5</td>
<td>All Weather Louvered, H9421, Pair Pack, Powder Coated</td>
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<tr>
<td>05041-5</td>
<td>Driving Lights, H9420, Pair Pack, Stainless Steel</td>
<td>FOG</td>
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<tr>
<td>05051-5</td>
<td>Fog Lamps, H9415, Pair Pack, Stainless Steel</td>
<td>FOG</td>
<td></td>
</tr>
</tbody>
</table>

- **Material:** Stainless Steel
- **Finish:** Stainless / Powder Coat
- **Bulb:** H9421- 14,000 CP; Volts / Amps: 12V / 3.9A; 50 Watt
- **Bulb:** H9420 - 47,000 CP; Volts / Amps: 12V / 3.9A; 50 Watt
- **Bulb:** H9415 - 12,000 CP; Volts / Amps: 12V / 2.9A; 37.5 Watt
- **Accessory:** Springs for Sealed Beam 09510; Black Louver 09712
- **Lens:** Glass Lens Clear 09681
- **Sealed Beam:** All-Weather, Halogen, Sealed Beam Clear H9421 Fog Lamp, Halogen, Sealed Beam Clear H9415

**PER-LUX® 600 SERIES FOG AND DRIVING LAMPS**

Louvers direct the beam low to the road so reflected glare from fog, rain or snow is safely avoided  •  Pierces 100 feet through the densest fog  •  Rugged stainless steel housing  •  Pair packs come with wiring kits  •  Meets FMCSA 393.25(b) applications (except 06001-4 & 06013-4)

### INCANDESCENT:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Halogen</th>
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</thead>
<tbody>
<tr>
<td>06021-4</td>
<td>Clear, All-Weather Lamp, Swivel Mount, Pair Pack</td>
<td>FOG</td>
<td>138</td>
</tr>
</tbody>
</table>

- **Material:** Stainless Steel
- **Finish:** Stainless
- **Bulb:** #H7921-1, 23,900 CP; Volts / Amps: 12V / 3.9A; 50 Watt
- **Bulb:** #4921-1, 25,000 CP; Volts / Amps: 12V / 7.7A; 100 Watt
- **Accessory:** Black Louver 09802
- **Lens:** Clear, Glass 09781; Yellow, Glass 09793
- **Sealed Beam:** Clear, All-Weather, Incandescent 4921-1; Clear, All-Weather, Halogen 6006H
**PER-LUX® 700 SERIES FOG AND DRIVING LAMPS**

Fog lamp beam pattern pierces through fog, rain, snow or dust effectively, focused ahead and low to the road giving side-to-side as well as forward illumination.  • Off-road spot lamps provide pure focused light that pierces far into the night for long distance viewing of a specific area, great for off-road and 4-wheel-drive applications  • Off-road wide flood lamp applications provide wide illumination for RVs, motor-homes, tractors, utility, and off-road construction great for backing, loading, fueling, or troubleshooting  • Rugged stainless steel housing  • Pair packs come with wiring kit  • Meets FMCSA 393.25(b)- (except 07021-4 & 07031-4)

<table>
<thead>
<tr>
<th>INCANDESCENT</th>
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<tbody>
<tr>
<td>07001-4 Clear, All-Weather Lamp, Swivel Mount, Pair Pack</td>
<td>FOG</td>
<td>07401 Clear, Fog Lamp, Rigid Mount</td>
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</tbody>
</table>

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<thead>
<tr>
<th>HALOGEN:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>07021-4 Clear, Spot Lamp, Swivel Mount, Pair Pack</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INCANDESCENT**

| 07001-4 | Clear, All-Weather Lamp, Swivel Mount, Pair Pack | FOG |
| 07401   | Clear, Fog Lamp, Rigid Mount                    |     |

**HALOGEN:**

| 07021-4 | Clear, Spot Lamp, Swivel Mount, Pair Pack |

Material: Stainless Steel  
FMVSS: Street Legal (except for 07021-4, 07031-4)  
Finish: Stainless  
Bulb: #4912-1, 14,000 CP; Volts / Amps: 12V / 3.9A; 50 Watt  
Bulb: #H7955-1, 175,000 CP; Volts / Amps: 12V / 3.9A; 50 Watt  
Bulb: #H7921-1, 23,900 CP; Volts / Amps: 12V / 3.9A; 50 Watt  
Sealed Beam: Clear, Fog, Incandescent 4912-1; Clear, Spot, Halogen H7955-1

**PER-LUX® DOCKING LIGHT**

Flush mounted • Multi-purpose docking/utility light

<table>
<thead>
<tr>
<th>HALOGEN:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>07803 Lamp w/ Stainless Steel Bezel</td>
<td></td>
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</tr>
</tbody>
</table>

Material: Stainless Steel  
Finish: Stainless  
Bulb: H9406, 1,350CP  
Volts / Amps: 12V / 3.9A; 50 Watt
FOG AND DRIVING LAMP RELAY

30 AMP relay • Guards against arcing and overloads

44840-5

Volts / Amps: 12 V / 30A max

REPLACEMENT 12-VOLT HALOGEN BULBS

Replacement bulb for auxiliary lights

90861-5 55 Watt, Bullet Terminal
90971-5 55 Watt, Spade Terminal
92701-5 100 Watt, Spade Terminal
90620 55 Watt, High Output

Bulb: 90861-5, 90971-5 - H3, 55 Watt, 121 CP; Volts / Amps: 12V / 4.7A
Bulb: 92701-5 - H3, 100 Watt, 187 CP; Volts / Amps: 12V / 7A
Bulb: 90620- H1, 55 Watt, 121 CP; Volts / Amps: 12V / 5.2A

REPLACEMENT 24-VOLT HALOGEN BULBS

91051 70 Watt, Spade Terminal
90901 50 Watt, Standard Socket

Bulb: 91051 - H3, 70 Watt, 135 CP; Volts / Amps: 24V / 2.7A
Bulb: 90901 - 50 Watt; Volts / Amps: 24V / 2A

Electronic Characteristics
12/24 Volts, 1.5/0.75 Amps, 16 Watts
Overvoltage Protection