Dialight

# LED Vehicle Lighting Selector Guide

www.dialight.com

# Lighting technology

In business since 1938, Dialight continues to pioneer some of the most innovative applications in LED technology since the development of the LED in the early 1970s.

Our LED products for the electronics industry have given engineers better ways to indicate status on all kinds of equipment. Dialight LED traffic signals have saved municipalities millions of dollars in energy costs and maintenance. Our LED signal and marker lights for heavy-duty vehicles often outlast the vehicles themselves.

We put our expertise to work for you by designing the most reliable and cost-effective LED products available. As a vertically integrated supplier, Dialight has the resources to design and produce everything in-house, supported by a global sales and distribution network.

Dialight offers a complete range of LED based marker and signal lamps for a variety of different types of vehicles, such as:

- Transit Buses
- Heavy Duty Truck and Trailers
- School Buses
- Rail Cars
- Tactical Vehicles
- Motor Coaches
- RV's
- Emergency Vehicles

...and many, many other applications.

So if you're looking for the best and brightest in LEDs, look no further than Dialight.

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## Heavy Duty Vehicle Marker and Signal Lights

Dialight's Diode Lite line of LED truck signal and marker lights include oval, round and rectangular turn signals, standard, rectangular and round marker lights, oval center-high mount, cab markers, and front park/turn signals.

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## White Illumination

Dialight offers a complete line of white lighting including reading lights, strip lights, reverse lighting, stepwell and mini-markers that can be used in a variety of applications where white lighting is needed.

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## School Bus

Incorporating the latest in LED technology, Dialight's warning, signal, and marker lights are designed specifically for the school bus market.

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## Tactical Lighting

Dialight has developed a complete line of Tactical signal and marker lighting to be used as an easy incandescent retrofit upgrade for new and existing military vehicles.

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## Rail

Dialight has developed this new LED 5.5" Red Tail Marker to be a drop in replacement for existing PAR 46 Sealed Beam Tail Markers that are currently being used on Transit and Commuter Railroads across North America.

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## Accessories

A variety of accessories are available, including safeguards, mounting grommets, brackets, surface mount adapters, branch deflectors, and anti-theft brackets.

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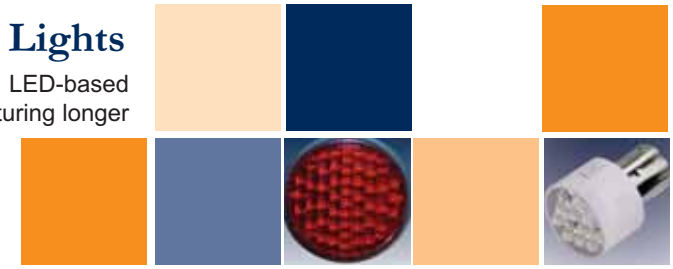
## Bus Marker and Signal Lights

Dialight offers a complete range of LED-based marker and signal lamps for buses, featuring longer life, lower power requirements and better shock and vibration resistance than fragile incandescent lights.



# HEAVY DUTY VEHICLE MARKERS

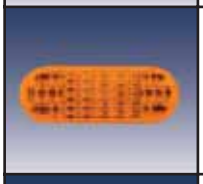
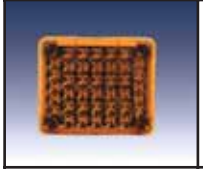
## MARKER LIGHTS

| DiodeLite® | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy |
|---|---|---|---|---|---|---|---|
| | 13 | 1" x 2.5" | Red<br>Amber<br>White | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 14 | 1.63" x 4.5" | Red<br>Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 15 | 0.88" x 4" | Red<br>Amber<br>White | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 16 | 2" Round | Red<br>Amber | Grommet | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 17 | 2.5" Round | Red<br>Amber<br>White | Grommet/ Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 18 | 1.95" x 4.8" | Red<br>Amber<br>Blue<br>Green<br>White | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 19 | 0.66" x 5.4" | Red<br>Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 20 | 2.2" x 4.5" | Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |

# HEAVY DUTY VEHICLE SIGNALS

| DiodeLite® | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **STOP/TAIL/TURN** | | | | | | | | | |
| | 40 | 4” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 46 | 4” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 60/64 | 2” x 6” Oval | Red | Vertical Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 61/65 | 2” x 6” Oval | Red | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 68 | 2” x 6” Oval | Red | Vertical or Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 70 | 7” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 80 | 4” x 6.5” | Red | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 84 | 4.5” x 5.5” | Red | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# HEAVY DUTY VEHICLE SIGNALS

| DiodeLite® | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **CHMSL (CENTER HIGH MOUNT STOP LIGHT)** | | | | | | | | | |
| | 62 | 2" x 6" Oval | Red | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 87 | 18" Strip | Red | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **REAR TURN** | | | | | | | | | |
| | 41 | 4" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 64 | 2" x 6" Oval | Amber | Vertical Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
|  | 65 | 2" x 6" Oval | Amber | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 68 | 2" x 6" Oval | Amber | Vertical & Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 70 | 7" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 80 | 4" x 6.5" | Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
|  | 84 | 4.5" x 5.5" | Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# HEAVY DUTY VEHICLE SIGNALS

| DiodeLite® | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **BACKUP** | | | | | | | | | |
| | 46 | 4" Round | ○ White | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 71 | 7" Round | ○ White | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 68 | 2" x 6" Oval | ○ White | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **FRONT TURN** | | | | | | | | | |
| | 42 | 4" Round | ● Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 42 | 4" Round | ● Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 66 | 2" x 6" Oval | ● Amber | Vertical Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 67 | 2" x 6" Oval | ● Amber | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 67 | 2" x 6" Oval | ● Amber | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 81 | 4" x 6.5" | ● Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |

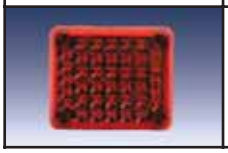
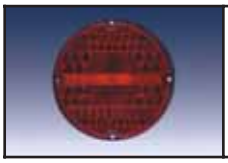
# WHITE ILLUMINATION

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| | 586 | .979" Round x 1.55" Long | Cool White | Bayonet Base | 24 | Bayonet Base | FMVSS 108 & SAE | | |
| | 13 | 1" x 2.5" | Cool White | Surface | 12 & 24 | .180 Bullets/ Bare Wire | | | |
| | 15 | .88" x 4" | Cool White | Surface | 12 & 24 | .180 Bullets/ Bare Wire | | | |
| | 17 | 2.5" Round | Cool White | Flange | 12 & 24 | Packard Connector/ Bare Wire | FMVSS 108 & SAE | | With or Without Optics |
| | 18 | 1.95" x 4.8" | Cool White | Surface | 12 & 24 | Packard Connector/ Bare Wire | | | |
| | 46 | 4" Round | Cool White | Grommet; Flange | 12 & 24 | Packard Connector/ Bare Wire | FMVSS 108 & SAE | | High and Low Intensity |
| | 47 | 4" Round | Cool White | Grommet; Flange | 12 & 24 | Packard Connector/ Bare Wire | | | Clear Lens High and Low Intensity |
| | 79 | 8.29" x 1.92" | Cool White | Surface | 12 & 24 | Packard Connector/ Bare Wire | FMVSS 108 & SAE | License Plate Light | |
| | 87 | 18" Strip | Cool White | Surface | 12 & 24 | EDAC Connector | | Low Intensity Strip Light | Diffused, Clear Lens or Hard Coating |
| | VSL | 18" Strip | Cool & Warm White | Surface | 10-30 | | ADA | High Intensity Strip Light | Diffused, Clear Lens or Hard Coating |
| | SB4 | 3" Round | Cool & Warm White | Recessed Surface | 24 | Bare Wires | | Recessed Spot Light | |

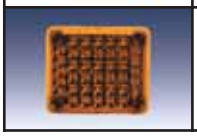
# SCHOOL BUS MARKERS

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy |
|---|---|---|---|---|---|---|---|
| | 13 | 1" x 2.5" | Red<br>Amber<br>White | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 14 | 1.63" x 4.5" | Red<br>Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 15 | 0.88" x 4" | Red<br>Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 16 | 2" Round | Red<br>Amber | Grommet | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 17 | 2.5" Round | Red<br>Amber<br>White | Grommet & Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 18 | 1.95" x 4.8" | Red<br>Amber<br>Blue<br>Green<br>White | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 19 | 0.66" x 5.4" | Red<br>Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |
| | 20 | 2.2" x 4.5" | Amber | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE |

# SCHOOL BUS SIGNALS

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Options |
|---|---|---|---|---|---|---|---|---|
| **STOP/TAIL/TURN** | | | | | | | | |
| | 40 | 4” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 46 | 4” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 60 | 2” x 6” Oval | Red | Vertical Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 61 | 2” x 6” Oval | Red | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 75 | 7” Round | Red | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 80 | 4" x 6.5" | Red | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
|  | 84 | 4.5" x 5.5" | Red | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| **CENTER HIGH MOUNTED STOP LAMP (CHMSL)** | | | | | | | | |
| | 62 | 2" x 6" Oval | Red | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating; Regulator |
| | 87 | 18" Strip | Red | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | |
| **WARNING LIGHTS** | | | | | | | | |
|  | 76 | 7" Round | Red<br>Amber<br>Red/Amber | Grommet | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Hard Coating |

# SCHOOL BUS SIGNALS

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **REAR TURN** | | | | | | | | | |
| | 41 | 4" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 64 | 2" x 6" Oval | Amber | Vertical Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 65 | 2" x 6" Oval | Amber | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 75 | 7" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 80 | 4" x 6.5" | Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
|  | 84 | 4.5" x 5.5" | Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **FRONT TURN** | | | | | | | | | |
| | 42 | 4" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 42 | 4" Round | Amber | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 81 | 4" x 6.5" | Amber | Mounting Bracket | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **BACK UP** | | | | | | | | | |
| | 46 | 4" Round | White | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 71 | 7" Round | White | Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 68 | 2" x 6" Oval | White | Horizontal Grommet; Flange | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# MILITARY / TACTICAL AND RAIL

| | Series | Description | Available Colors | Mounting Options | Nominal Voltage |
|---|---|---|---|---|---|
| | TFP | Front Park | Amber | Surface | 10-30 |
| | TST | Rear Tail | Red | Surface | 10-30 |
| | TMK | Rectangular Marker | Red<br>Amber | Surface | 10-30 |
| | TM4 | 45 Degree Marker | Red<br>Amber | Surface | 10-30 |
| | TBL | Black-out Drive | Green | Surface | 10-30 |
| ***COMING SOON*** | TBU | Back-up Light | White | Surface | 10-30 |

## RAIL

| | | | | | |
|---|---|---|---|---|---|
| | P46 | 5.5”<br>Rail Marker Light | Red | Surface | 24-90 |

## ACCESSORIES

| | | |
|---|---|---|
| | 91802A | 18 Series Armor Guard |
| | 94001A | 40 Series Mounting Grommet |
| | 96001A | 60 Series Mounting Grommet |

94012B 3 Position Packard Connector Kit, Male Connector, Female Terminals
94012C 3 Position Packard Connector Kit, Female Connector, Male Terminals
94511B 2 Position Packard Connector Kit, Male Connector, Female Terminals
94511C 2 Position Packard Connector Kit, Female Connector, Male Terminals

# BUS MARKERS

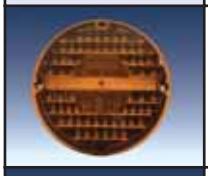
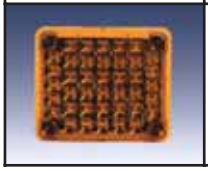
| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy |
|---|---|---|---|---|---|---|---|
| | 13 | 1" x 2.5" | Red<br>Amber<br>White | Surface | 12 & 24 | .180 bullets | FMVSS 108 & SAE |
| | 15 | 0.88" x 4" | Red<br>Amber<br>White | Surface | 12 & 24 | .180 bullet and ring terminal | FMVSS 108 & SAE |
| | 16 | 2" Round | Red<br>Amber | Grommet | 12 & 24 | Packard Connector | FMVSS 108 & SAE |
| | 17 | 2.5" Round | Red<br>Amber<br>White | Grommet Flange | 12 & 24 | Packard Connector | FMVSS 108 & SAE |
| | 18 | 1.95" x 4.8" | Red<br>Amber<br>Blue<br>Green<br>White | Surface | 12 & 24 | Packard Connector | FMVSS 108 & SAE |
| | 19 | 0.66" x 5.4" | Red<br>Amber | Surface | 12 & 24 | .180 bullet and ring terminal | FMVSS 108 & SAE |
| | 20 | 2.2" x 4.5" | Amber | Surface | 12 & 24 | Packard Connector | FMVSS 108 & SAE |
| | 45 | 1.63" x 4.5" | Red<br>Amber | Surface | 12 & 24 | Packard Connector | FMVSS 108 & SAE |

# BUS SIGNALS

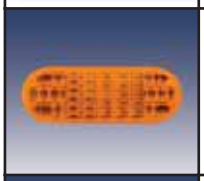
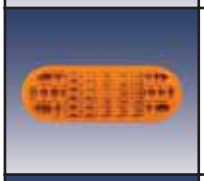
## STOP/TAIL/TURN

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| | 40 | 4” Round | Red | Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 46 | 4” Round | Red | Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 60/64 | 2" x 6" Oval | Red | Vertical Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 61/65 | 2" x 6" Oval | Red | Horizontal Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 68 | 2" x 6" Oval | Red | Vertical or Horizontal Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 70 | 7" Round | Red | Grommet; Flange | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating; Regulator |
| | 80 | 4" x 6.5" | Red | Mounting Bracket | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 84 | 4.5" x 5.5" | Red | Mounting Bracket | 12 & 24 | 3 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# BUS SIGNALS

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **CHMSL (CENTER HIGH MOUNT STRIP LIGHT)** | | | | | | | | | |
| | 62 | 2" x 6" Oval | Red | Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating; Regulator |
| | 87 | 18" Strip | Red | Surface | 12 & 24 | Bare Wire or Customer Specific Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **REAR TURN** | | | | | | | | | |
| | 41 | 4" Round | Amber | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 64 | 2" x 6" Oval | Amber | Vertical Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 65 | 2" x 6" Oval | Amber | Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 68 | 2" x 6" Oval | Amber | Vertical or Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
|  | 70 | 7" Round | Amber | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 80 | 4" x 6.5" | Amber | Mounting Bracket | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
|  | 84 | 4.5" x 5.5" | Amber | Mounting Bracket | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# BUS SIGNALS

| | Series | Size | Available Colors | Mounting Options | Nominal Voltage | Standard Termination | Compliancy | Features | Options |
|---|---|---|---|---|---|---|---|---|---|
| **BACKUP** | | | | | | | | | |
| | 46 | 4" Round | ○ White | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 68 | 2" x 6" Oval | ○ White | Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 71 | 7" Round | ○ White | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| **FRONT TURN** | | | | | | | | | |
| | 42 | 4" Round | ● Amber | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 42 | 4" Round | ● Amber | Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
|  | 66 | 2" x 6" Oval | ● Amber | Vertical Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
|  | 67 | 2" x 6" Oval | ● Amber | Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Housed | Hard Coating |
| | 67 | 2" x 6" Oval | ● Amber | Horizontal Grommet; Flange | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |
| | 81 | 4" x 6.5" | ● Amber | Mounting Bracket | 12 & 24 | 2 Way Packard Connector | FMVSS 108 & SAE | Potted | Hard Coating |

# MODIFICATION STATION

***This selector guide provides a brief overview of our standard vehicle LED light sources. Found something you like, but your parameters are slightly different? Complete this form and fax it to us for consideration - with more than 65 years experience, we may already have your solution available!***

**Common modifications include:**

- **Different voltage**
  - Indicate the Series _____, color _____, voltage _____, circle **AC** or **DC**
  - Internal regulators are not always possible; please indicate whether a regulator is needed, circle **YES** or **NO**. Dialight will provide standard wire leads, indicate length desired _____, circle unit of measure: **inch** or **mm**.

- **Mounting**
  - Indicate grommet _____, or flange mount _____, flange color _____

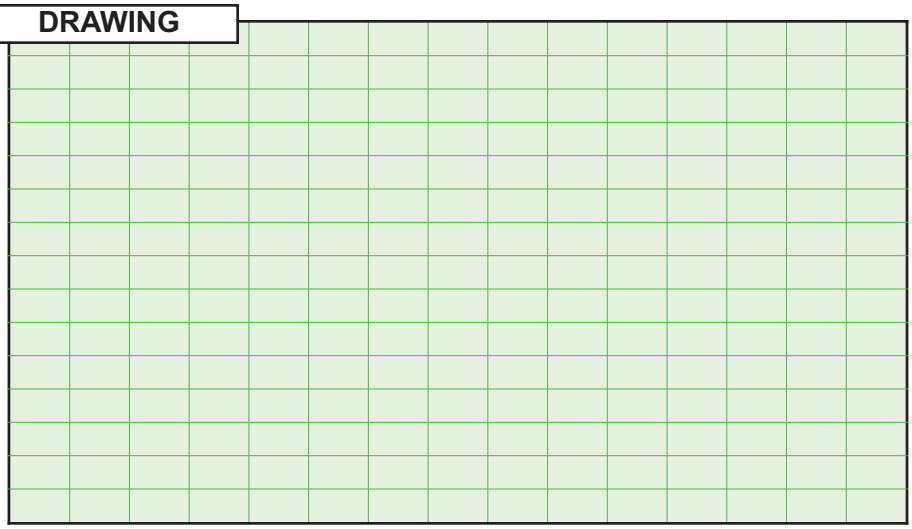
- **Coating**
  - Hard coating; circle **YES** or **NO**.

- **Connectorized assembly**
  - Indicate the Series _____, color _____, voltage _____, length of wires from front of mounting panel to end of connector _____, circle unit of measure **inch** or **mm**, wire color for anode _____, wire color for cathode _____, desired connector style indicated by manufacturer name _____ and p/n _____ .

- **Custom requirement -** please provide us a drawing of your requirement and include all of the following information so we can expedite our response, and fax to **732-919-5778 or email info@dialight.com**:

  - Estimated initial order _____ and estimated purchase quantity in first year _____
  - Target cost _____
  - Dialight Distributor of choice _____
  - Voltage - AC (also indicate frequency in Hz) or DC or both _____
  - Color _____
  - Lens style _____
  - Mounting considerations _____
  - Finish _____
  - Space constraints _____
  - Environmental issues _____
  - FMVSS, SAE or other safety requirements _____
  - NEMA or IP water sealing requirements _____

**DRAWING**



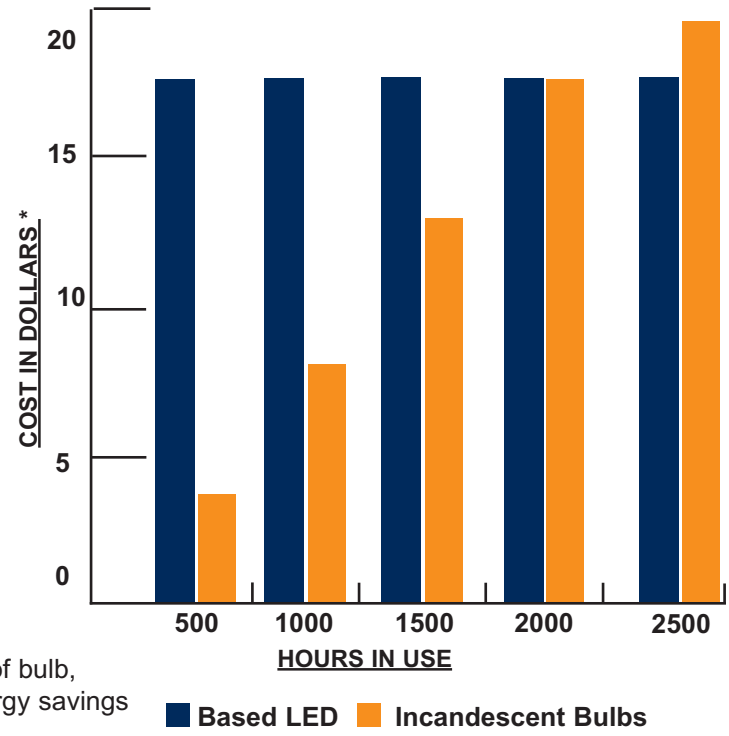
# THE LED ADVANTAGE

With the technological advancements in Light Emitting Diodes (LEDs) brightness can now rival the incandescent lamp when incorporated in similar packages such as the non-relampable indicator or Based LED bulbs. Dialight's LED products incorporate the latest in AlInGaP and InGaN LED technology, the technology that is used in all of our high reliability applications such as traffic lights, vehicle lights and aviation lighting.

## BENEFITS OF LEDs

| FEATURE | BENEFIT |
|---|---|
| ▶ Operate life > 50k hours | ▶ Low maintenance |
| ▶ Solid State | ▶ Impervious to shock and vibration |
| ▶ Full range of colors | ▶ Ability to mix and change dynamically |
| ▶ Narrow band emitter | ▶ 90% less energy for color applications |
| ▶ Low operate voltage | ▶ Compatibility with controls |
| ▶ No in-rush current | ▶ Ease of power supply design |
| ▶ Very fast - nanoseconds | ▶ Safety and ability to multiplex |
| ▶ Precision optics | ▶ Higher utilization of light |
| ▶ No mercury | ▶ No disposal issues |

## COST COMPARISON BETWEEN LED AND INCANDESCENT BULBS




* Cost includes:
Replacement of bulb,
labor, and energy savings

## Maximizing Light Output

In order to maximize the light output from LEDs, it is important to match the color of the lens cap to that of the emitting color of the LED. Unlike incandescent lamps, which emit light over the full spectrum, LEDs are monochromatic (emit one color). Since a lens cap is a filter, if not matched properly the overall light output may be substantially reduced.

# Why LED's?

- Last beyond 100,000 hours
- 10x more efficient than incandescent
- Low temperature operation
- Robust solid state construction
- Low voltage
- "Instant" switching operation
- Dynamic color control
- Precision optics

# Other LED Products

## offered by Dialight

- Surface Mount Indicators (Prism®)
- Circuit Board Indicators (CBI®)
- Optical Light Pipes (Optopipe®)
- Exterior & Interior Vehicle Lights
- LED-based Traffic Signal Products
- Obstruction Lights
- Rail Track and Car Signaling
- Illumination Products
- SpectraMix™ - Color Control Protocol
- Patented Light Engines

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# Dialight


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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

**Данный компонент на территории Российской Федерации**

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

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