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 Amber White	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	14	1.63" x 4.5"	Red Amber	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	15	0.88" x 4"	Red Amber White	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	16	2" Round	Red Amber	Grommet	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	17	2.5" Round	Red Amber White	Grommet/ Flange	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	18	1.95" x 4.8"	Red Amber Blue Green White	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	19	0.66" x 5.4"	Red 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

STOP/TAIL/TURN

DiodeLite®	Series	Size	Available Colors	Mounting Options	Nominal Voltage	Standard Termination	Compliancy	Features	Options
	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

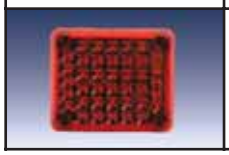
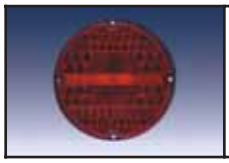
WHITE ILLUMINATION

	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 Amber White	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	14	1.63" x 4.5"	Red Amber	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	15	0.88" x 4"	Red Amber	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	16	2" Round	Red Amber	Grommet	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	17	2.5" Round	Red Amber White	Grommet & Flange	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	18	1.95" x 4.8"	Red Amber Blue Green White	Surface	12 & 24	Bare Wire or Customer Specific Connector	FMVSS 108 & SAE
	19	0.66" x 5.4"	Red 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 Amber 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 Amber	Surface	10-30
	TM4	45 Degree Marker	Red Amber	Surface	10-30
	TBL	Black-out Drive	Green	Surface	10-30
COMING SOON	TBU	Back-up Light	White	Surface	10-30

RAIL

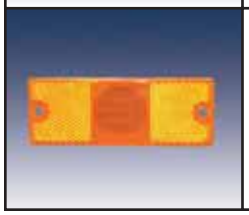
	P46	5.5” Rail Marker Light	Red	Surface	24-90

ACCESSORIES

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

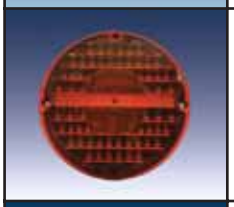
94012B 3 Position Packard Connector Kit, Male Connector, Female Terminals
94012C 3 Position Packard Connector Kit, Female Connector, Male Terminals
94511B 2 Position Packard Connector Kit, Male Connector, Female Terminals
94511C 2 Position Packard Connector Kit, Female Connector, Male Terminals

BUS MARKERS

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

BUS SIGNALS

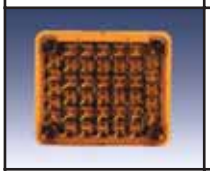
STOP/TAIL/TURN

	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

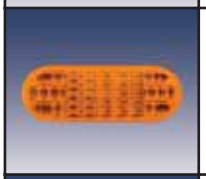
CHMSL (CENTER HIGH MOUNT STRIP LIGHT)

	Series	Size	Available Colors	Mounting Options	Nominal Voltage	Standard Termination	Compliancy	Features	Options
	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

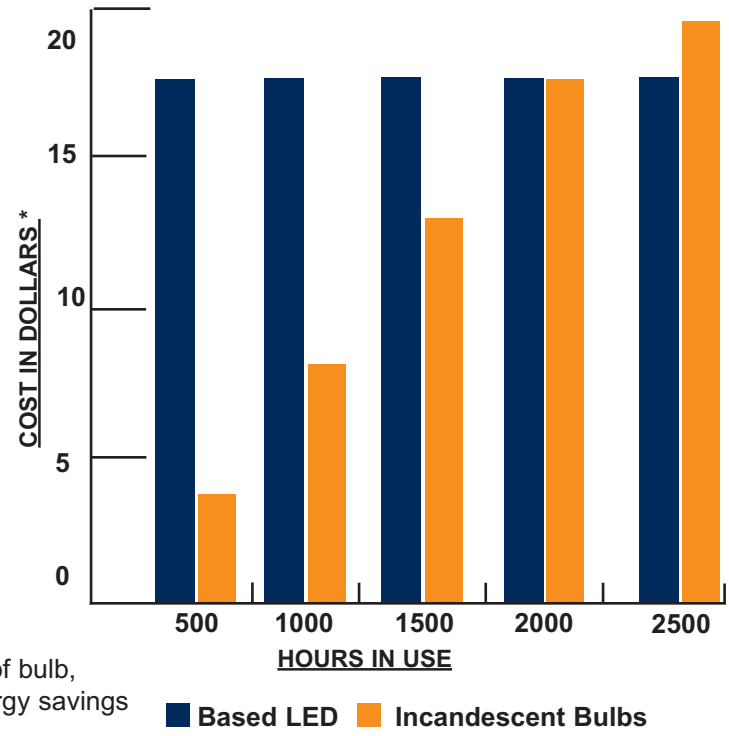
THE LED ADVANTAGE

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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- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
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