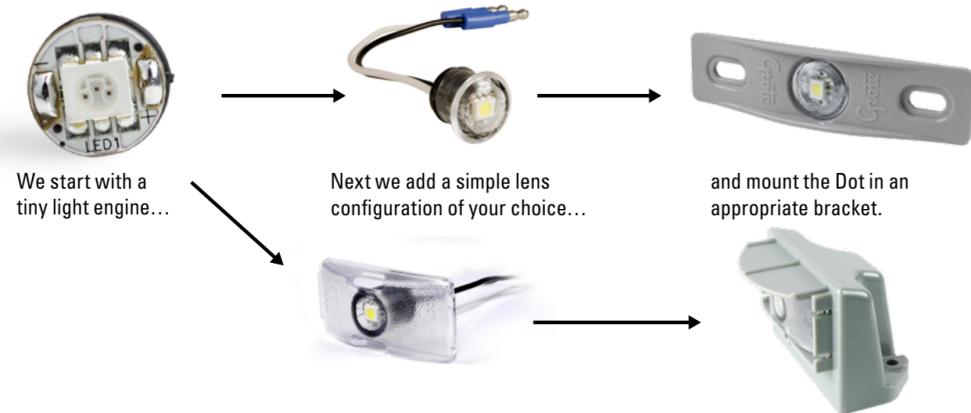


Grote's MicroNova® Dot light engine drives down costs; drives up versatility

One of the reasons there seems to be no limit to how you can use Grote's MicroNova® Dot is that it's really a light engine enclosed in a relatively simple small, round package.

Whatever the design, the light engine stays the same. In addition, its plug-in circuit design allows for the

elimination of a separate housing, because the light engine seals to the lens and is potted from the back-side. The Dot's optical design also eliminates the need for LED orientation because it's round. The result is a more reliable, lighter weight product with fewer plastic components and fewer potential failure points.



Part Number	Operating Voltage	Amperage	Interchange
49322 - Red P2 w/ Grommet	12V	.05A	33050R
49332 - Red PC w/ Grommet	12V	.05A	33075R
49333 - Yellow P2 / PC w/ Grommet	12V	.05A	33075Y
49342 - Red ECE w/ Grommet	12V	.05A	NA
49343 - Yellow ECE w/ Grommet	12V	.05A	NA
49341 - White ECE w/ Grommet	12V	.05A	NA
49352 - Red ECE w/ Grommet	24V	.05A	NA
49353 - Yellow ECE w/ Grommet	24V	.05A	NA
49351 - White ECE w/ Grommet	24V	.05A	NA
49362 - Dual Intensity Red w/ Grommet	12V	.05A	NA
49363 - Dual Intensity Yellow w/ Grommet	12V	.05A	NA
49412 - Lamp with adaptor bracket	12V	.05A @ 14V	LED: TL-19275R, P-161R; Incan.: TL-19200R; P-154R
49413 - Lamp with adaptor bracket	12V	.05A @ 14V	LED: TL-19275Y, P-161A; Incan.: TL-19200Y; P-154A
60721 - Lamp with Hooded Grommet	12V	.05A @ 14V	NA
60651 - Replacement Lamp Only	12V	.05A @ 14V	NA
60661 - Lamp with Adaptor Bracket	12V	.05A @ 14V	LED NA (Incandescent - TL19206, P154C)
60711 - Kit (60661 + 43780)	12V	.05A @ 14V	LED NA (Incandescent - TL19206, P154C)
60671 - Replacement Lamp	12V	.05A @ 14V	15227
60701 - Vertical Mount - Black	12V	.05A @ 14V	15012,15041
60681 - Vertical Mount - Gray	12V	.05A @ 14V	15011,15040
60691 - Horizontal Mount - Black	12V	.05A @ 14V	NA

Choose one of these brackets... Or we'll design one for you



43960 Gray
43962 Black
Takes LED License Lamp 60671



42110 Gray
42112 Black
Takes MicroNova® Oval or Dot
Clearance and/or Side Marker



94350 Gray
Clearance and/or Side Marker and License



42120 Gray
Takes MicroNova® Oval or Dot
Clearance and/or Side Marker



43780 Gray
43783 Chrome
43850 Gray w/ Pigtail
Clearance and/or Side Marker and License



2" - 42302-3 Black
Clearance and/or Side Marker
(Must be mounted in Grommet)



2.5" - 42312-3 Black
Clearance and/or Side Marker
(Must be mounted in Grommet)



42270 Gray Clearance and/or Side Marker



3" - 42292-3 Black
3.5" - 42282-3 Black
Clearance and/or Side Marker

Grommet Designs

Standard use-it-anywhere, press-fit grommet



60-1084-03

Visor style grommet can block illumination in any specific direction, perfect for license lamp applications



94360

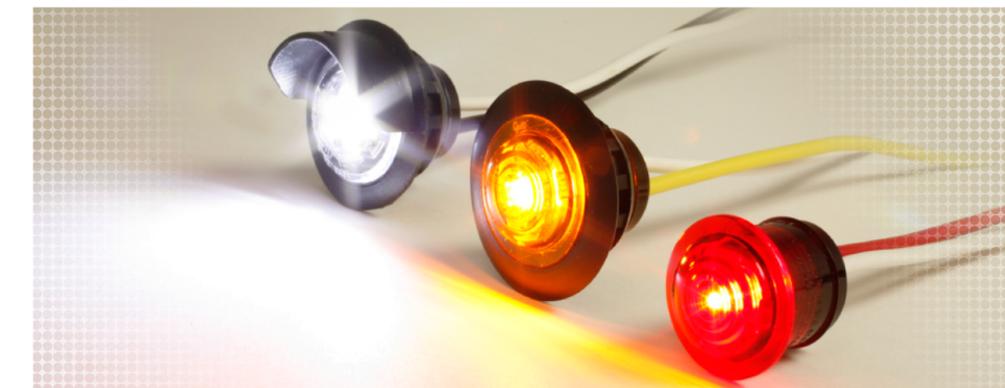
New License Lamp Bracket Available September 2013



MICRONOVA® DOT TECHNOLOGY

Grote's LED MicroNova® Dot

MINIMUM PACKAGE; MAXIMUM FLEXIBILITY



grote.com

56-9512-01

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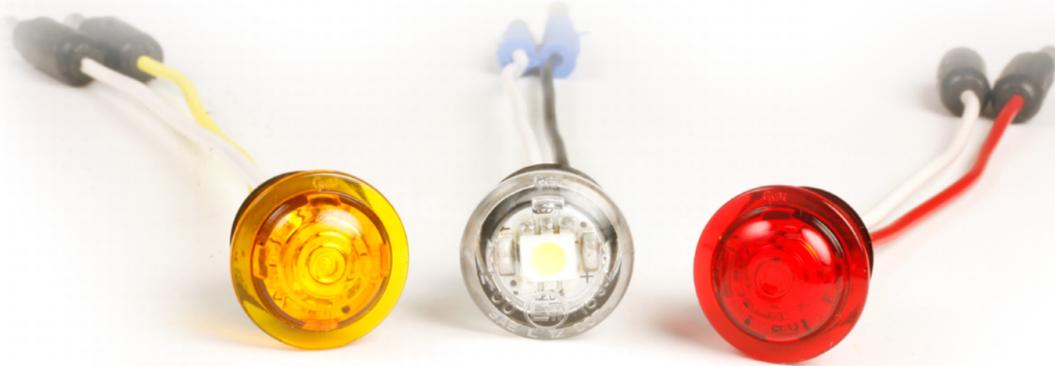
The first name in vehicle safety systems®

Grote

The first name in vehicle safety systems®

Grote's MicroNova® Dot System: The Possibilities are Tremendous

Grote's MicroNova® Dot system is proving itself to be the simplest solution to a wide range of lighting problems. Available in white, amber, and red, 12V or 24V, in a wide range of mounting options, MicroNova® Dots can simplify your lighting inventory. Their uses are virtually limitless. If you have room for a 3/4" hole you have room for a Grote Dot.



MicroNova® Dot clearance and/or side marker lamps: three colors to choose from.

- Meets or exceeds all FMVSS clearance and/or side marker legal requirements
- Sleek aerodynamic styling protrudes less than 3/8th inch from mounting surface when grommet mounted
- PC and P2 versions/12V and 24V versions, plus, SAE and ECE versions are available
- Minimal power consumption allows more power to be available for other electrical requirements



MicroNova® Dot dual intensity lamps: two colors, two light levels

- Center rear-mounted lamps increase safety when used as auxiliary high-mount stop lights
- Rear clearance and/or side markers can increase safety when used as auxiliary turn lights
- Suitable for retrofit or new builds
- Comes with standard .180 bullet terminations
- Uses standard MicroNova® Dot grommet

See the
Dual Intensity
Dot in Action



EXTERIOR

- License Lamp
- Front Clearance and/or Side Marker
- Auxiliary Stop Lamps
- Rear ID Lamps
- Clearance and/or Side Marker
- ATV Clearance and/or Side Markers
- Rear Clearance and/or Side Marker
- Boat Lighting
- Exterior Instrument Panel

LICENSE LAMP



FRONT CLEARANCE AND/OR SIDE MARKER



AUXILIARY STOP LAMPS



REAR ID LAMPS



CLEARANCE AND/OR SIDE MARKER



ATV CLEARANCE AND/OR SIDE MARKERS



REAR CLEARANCE AND/OR SIDE MARKER



BOAT LIGHTING



EXTERIOR INSTRUMENT PANEL



INTERIOR

- Stepwell
- Cab Floor Lighting
- Dome Lighting
- Movable Map Light
- Utility Compartment
- Trunk
- Tool Compartment
- Instrument Panel



STEPWELL



CAB FLOOR LIGHTING



DOMELIGHTING



MOVABLE MAP LIGHT (TRUCK)



UTILITY COMPARTMENT



TRUNK



TOOL COMPARTMENT



INSTRUMENT PANEL INDICATOR LIGHT