Vista Mfg., Inc.
53345 Columbia Dr
Elkhart, IN 46514

DOT SIDE MARKER LIGHT

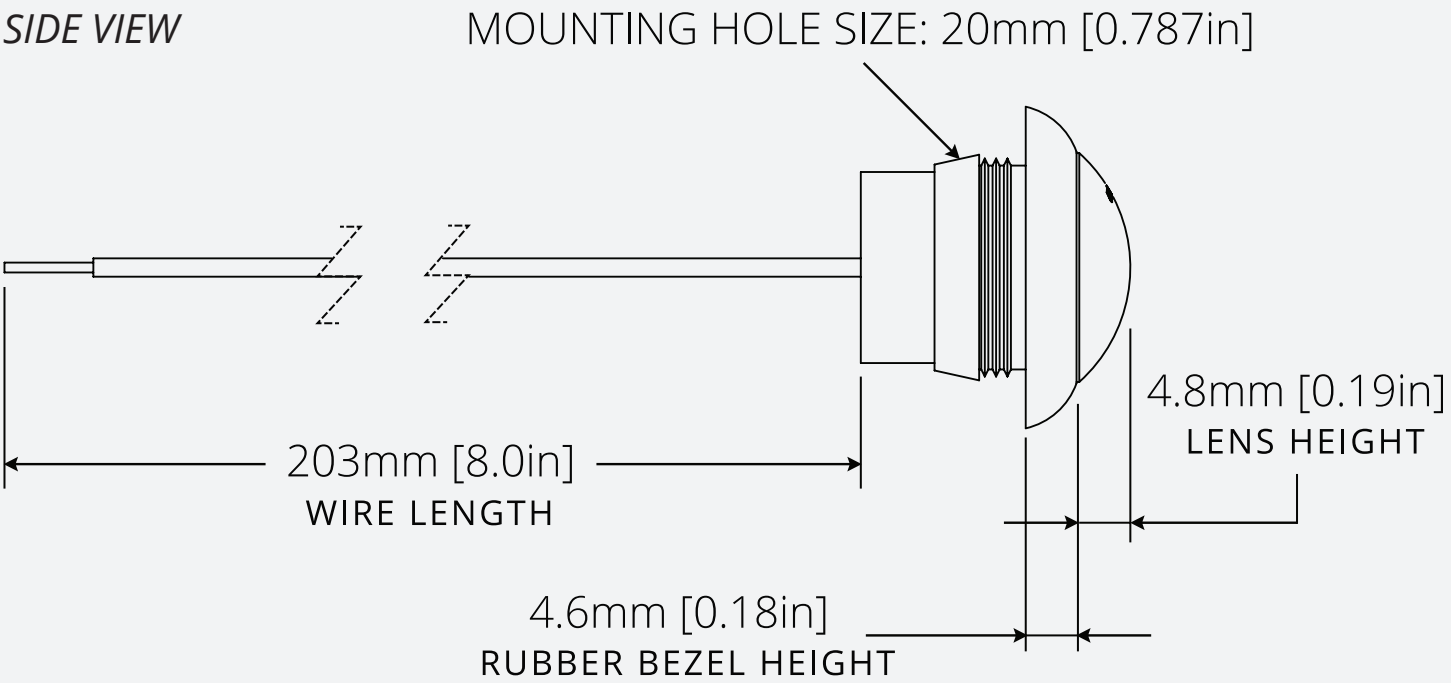
- Side Marker Light available in Amber or Red
- Operating Voltage: 11-14V dc
- Power: .8W Max
- IP68 rated
- Operating Temp: -40 to +65°C
- RoHS 2 Compliant
- Agency requirement: SAEJ2042

SPECIFICATIONS

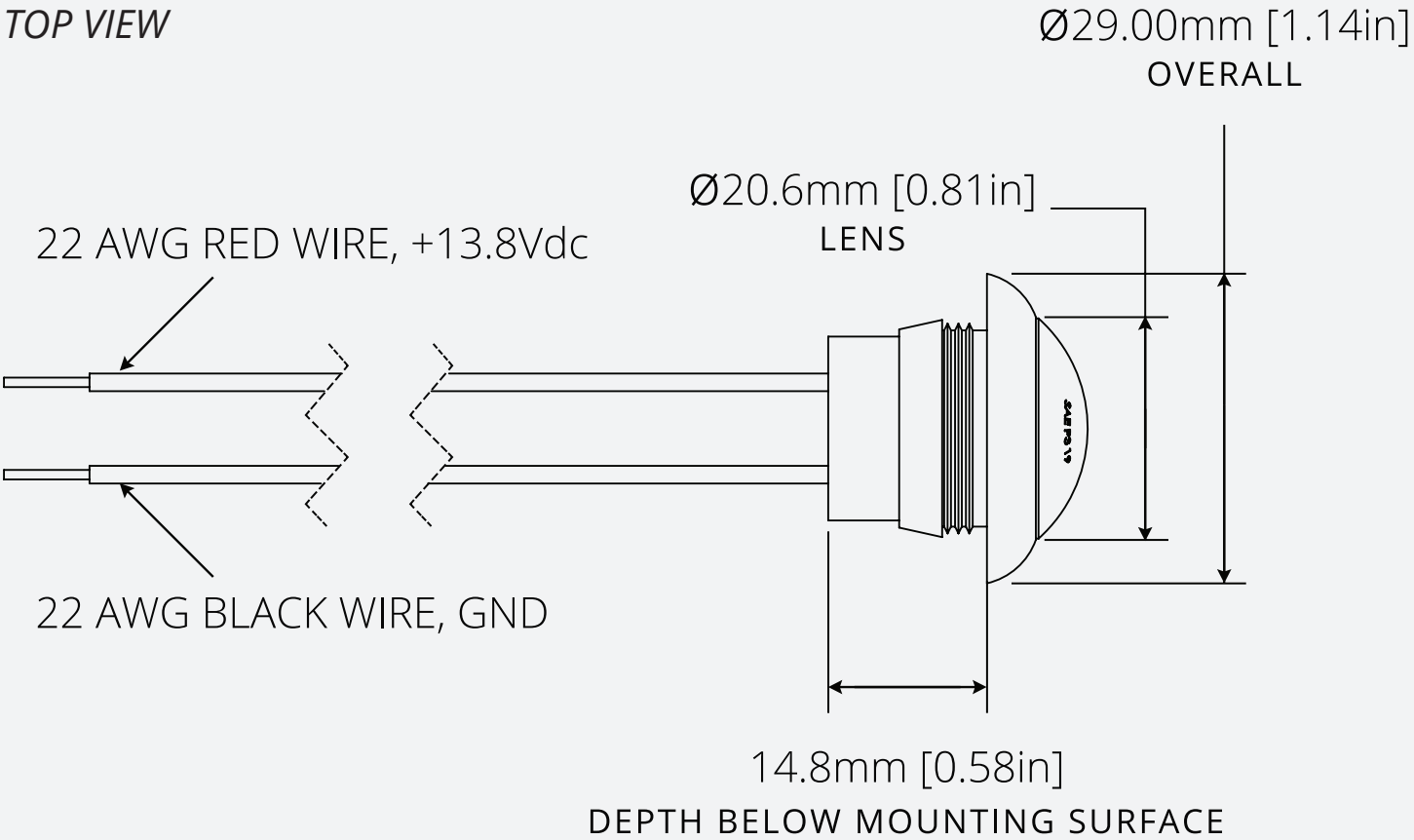
PART NUMBER	LENS COLOR	WAVELENGTH (nm)	LUMINOUS FLUX (lm)	VOLTAGE (VDC)	CURRENT (mA)	POWER (W)
440151	Red	610 - 630	10 - 12	11 - 14	60	0.8
440152	Amber	590 - 598	11.5 - 13.5	11 - 14	60	0.8

DIMENSIONS

SIDE VIEW



TOP VIEW



Vista reserves the right to modify this specification without prior notice.

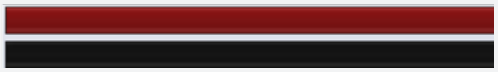
INSTALLATION INSTRUCTIONS

PREPARATION: Keep the following in mind: When these lights are used to meet the requirements of the Federal Motor Vehicle Safety Standard (FMVSS 108), they must be installed at locations to meet the safety standard. Specified locations vary depending on the size and type of vehicle. Specifying the location is beyond the scope of this document. The installer is expected to be familiar with the requirements pertaining to the applied vehicle.

FASTENING: These lights mount by simply pressing them in a 20 mm ±0.5 mm (0.787" ±0.02") diameter hole. The hole can be drilled or punched in the vehicle body. A depth clearance of 16mm (0.63") is required behind the mounting surface. The area behind the hole will also require access for wiring. Once inserted in the hole, the rubber grommet will retain the light. Glue, screws, or other fasteners are not required.

WIRING: When used as vehicle side marker lights, these lights need to be driven by the vehicle's "parking light" circuit. The red wire attaches to the positive (+12V) side of the circuit. The black wire attaches to the negative side of the circuit. In negative ground vehicle electrical systems, the black wire may be alternatively attached to the vehicle's metal chassis.

- 2 Wire Version (1 Power / 1 Ground)



Red Wire (Power)
Black Wire (Ground)

Wire connections may be made using crimp-on splices, or solder and heat shrink. When the wire connections will be left exposed to the external environment, waterproof splicing methods should be used to prevent corrosion of the wires.

DISCONNECT POWER SOURCE (BATTERY) BEFORE STARTING ELECTRICAL WORK.

WARNING:

1. Supply current and wattage must not exceed the rated values on the specification documents.
2. Incorrect polarity or improper wiring may cause personal injury and/or damage to the product. It is recommended that an electrical technician, professional, or similarly qualified individual finish wiring.
3. To avoid electrical shock risk, all failures should be examined by a qualified technician.
4. Environmental suitability, including but not limited to water resistance, varies based on product design. Unless explicitly noted, products are to be installed in a location shielded from outdoor elements. To avoid irreparable damage, refer to specification sheets to locate products in a proper environment.
5. Do not install products near an open flame or in high temperature environments unless the product is explicitly designed to function as such. Adversely, do not install products in excessively cold environments unless explicitly designed to function as such. Refer to product spec sheets/drawings for information about minimum and maximum operating temperatures.
6. Vista Manufacturing Inc. is not liable for any injuries or damage caused due to improper wiring or installation.

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