



## **LED ENHANCED ROUNABOUT SIGNS**

**MUTCD  
COMPLIANT**



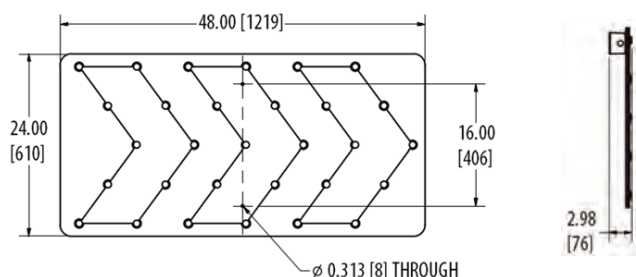
**5  
YEAR  
WARRANTY**

Motion activated  
MUTCD compliant LED's  
Chasing function to alert  
distracted drivers



*LED enhanced warning signs are more effective in slowing down vehicle speeds than traditional static signs.*

## R6-4a LED-Enhanced Roundabout Sign



Units are shown as in. [mm].



### OVERVIEW

The LaneLight LED-Enhanced R6-4a Roundabout Sign provides effective notification to drivers regarding a change in travel direction. This sign is designed specifically for use within roundabout intersections.

The 48 x 24 in. sign features three LED-enhanced arrows; each arrow has ten white LED flashers. During the lighting chase sequence, each arrow is illuminated separately, and progression follows the direction of the arrows and repeats until the configured activation time expires. Separate signs operate independently of each other.

The LaneLight control cabinet designed specifically for this sign contains a power converter, an LED Sequencer, and a radar sensor unit. The radar sensor, mounted inside the control cabinet door, detects the presence of oncoming traffic and sends an activation signal to the LED Sequencer, which activates the LEDs on the sign.

LED dimming, flash length and system activation time are configured via DIP switches located on the LED Sequencer in the control cabinet. If required, radar detection parameters may be adjusted via a custom computer-based utility program.

### SPECIFICATIONS

Sign Substrate	.080 highway grade aluminum
Reflective Sheeting	3M™ Diamond Grade™ DG <sup>3</sup> with anti-graffiti overlay
MUTCD Compliance	Section 2A.07 Retroreflectivity and Illumination
Color	Diamond Grade White background/Black chevrons
Mounting	Standard traffic sign 7/16 in. hardware
LED Flash Pattern	Chasing @ variable speeds
LED Size	25mm (1 in.)
LED Number	30 LEDs per sign ; 10 LEDs per chevron arrow
LED Colour	White
LED Brightness	48 lm per LED
LED Beam Angle	9°
Operating Voltage (Controller)	12VDC
Power Supply	120VAC or Solar
Power	12VA
Control System	LaneLight LED Sequencer
Activation	Radar detection unit (vehicle speed and direction)
Radar	K-band ultra low power Doppler radar
Operating Temp.	-40 to +158°F [ -40 to +70°C]
Warranty	5 year limited warranty for defects in manufacturing, factory assembly and materials only; excludes damage caused by vehicles or vandalism

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