



Sequenced Signs — LED Enhanced Sign

LightGuard Systems Part Number: LGS-R6-4, LGS-R6-4a, LGS-R6-4b




Description: MUTCD Compliant LED Illuminated Roundabout Sign

Features/Benefits:

- Increases motorists attention
- High visibility—up to 1 mile
- 12 VDC nominal operation
- Maintenance free operation
- Heavy duty gauge aluminum
- MUTCD Ch. 2A compliant
- Activation from various sources
 - Radar, motion sense, etc
- Duration and Flash Pattern/sequence fully programmable

Application Notes:

The flashing controller is either AC or Solar powered. Each sign is highly visible, up to one mile with high-intensity LEDs embedded in the sign chevron symbols. The sign is intended to be placed at or before the roundabout entrance. The R6-4 family of sign systems can be activated automatically via vehicle detection (radar, motion sensor), or manually activated (key switch or button), or set to continuous 24/7 mode (not recommended for solar powered systems). Once activated, the LED in each chevron segment will flash sequentially to simulate either a moving or growing arrow (field selectable). The controller is fully programmable to adjust all flash parameters (duration, hold time, chevron flash speed, etc.)

R6-4	R6-4a	R6-4b
		
24"x30"	24"x48"	24"x60"
8 LED modules	12 LED modules	16 LED modules
12W	18W	24W

For greater flexibility, multiple signs can be electrically connected in parallel from the same controller or configured for wireless communication (radio transceiver upgrade required) between signs at each entrance to the roundabout.

General Specifications

Sign Material	.08 thick corrosion resistant Aluminum
LED pattern	Segmented chevron symbols (3 LED per edge)
Background Color	White diamond grade retroreflectivity ASTM D4956 type IX minimum
Mounting	Unistrut provided
Sign voltage	Nominal 12VDC
Viewing angle	+/- 60 degrees
Operating temp range	-20°C to 60°C
IP Rating	IP 65 = protected against water jets from any angle & no dust ingress