



TWM TRAFFIC CONTROL SYSTEMS

LED Illuminated Roundabout Chevrons

Roundabout Chevrons

Designed to give drivers clear visual guidance when approaching roundabouts. TWM's interactive roundabout chevron sign is ideal for use on today's highways that have high instances of drivers underestimating the junction. Once installed the illuminated chevron increase the drivers awareness of the roundabout, and therefore, the speed it should be approached at. The sign has a high visibility display that illuminates the outline of the chevron with directional ultra bright white LED's, for daytime performance, and internally illuminates the whole chevron for night time performance. The Diagram 606 stays internally illuminated.

Measurements - Unit size: 400, 600 or 800mm height plus border.



Key Features:

- ✓ Whilst the width and height of the chevrons are determined by sizes prescribed in the TSR&GD and site requirements, the use of solid state components and control gear allows the overall depth to be kept to a minimum of 40mm.
- ✓ Forward thinking innovative design
- ✓ Robust modular construction
- ✓ Sequential LED internal illumination
- ✓ Micro prismatic sign face
- ✓ High visibility border
- ✓ Integral microwave detector
- ✓ Automatic night time dimming facility

Options:

- ✓ Display options: Sequential as standard, optional flashing ON/OFF
- ✓ The modular chevrons are available in three standard sizes, with an added option of an LED internally illuminated diagram 606 for roundabout applications.
- ✓ Alternative energy option depending on site situation
- ✓ Remote MVD option for high speed roads



www.twmtraffic.com 01606 596622

Unit 4, Oasis Business Park, Road One
Winsford Ind Est, Winsford, Cheshire CW7 3RY

Electrical data

Rating	230VAC, 50/60hz
Power Consumption	Low Power Design
Peak (All LEDs active)	Design dependent

Radar sensor

Type	CW Doppler
Operating Frequency	K-Band (24 GHz)
Power Usage @ 4hz	100m <65mW 200m <170mW 400m <65mW
Beam Angle	38° x 45° 32° x 30° 24° x 12°
Output capability	RS232 or RS485 or USB
Detection Range	min.100m max.400m Typ.200m
Operating Speed	1mph - 150mph
Certification	CE approved

Mechanical data

Continuous/Discontinuous	Discontinuous
Enclosure	3mm Aluminium
Colour	Powder coated Black
Protection Degree	IP55
Operating Temp	-15°C to + 60°C
Impact Resistance	CCM
Vibration	CCM
Certification	EN 12966:2014 CE Approved

Display

TSR&GD	Diagram 515
Dimensions	400mm, 600mm, 800mm high
Chevron	White reflective class ref II
Border	White reflective class ref II
Brightness	Multi-stage dimming

LEDs

Brand	Cree 5mm round LED
Colour	White
Viewing angle	30°
Life span	Over 50,000hrs
Lens	5mm Polycarbonate



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