simmonsigns

Modustar & Midustar
Data Guide

IP 56 | LED | CE | LOW VOLTAGE | Recyclable

DESCRIPTION

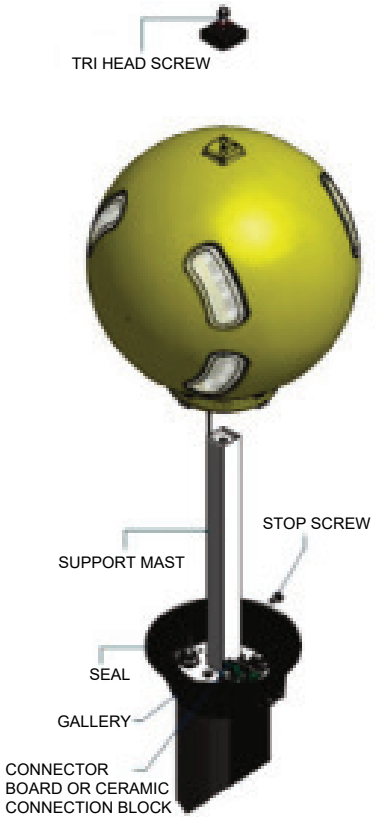
The first truly 360° aspect Belisha beacon with high intensity LED arrays giving better visibility on sunny days to approaching vehicles and pedestrians.

Based on the highly successful Modubel and Midubel, this new offering raises safety to an even higher level by improving visibility.

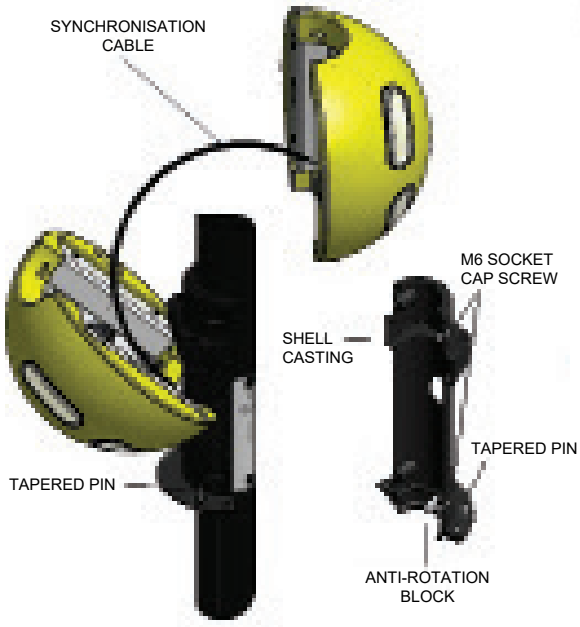
Both beacons are a tough, high visibility retro-fit for Belisha beacon assembly for standard tubular beacon posts. It is also possible to retrofit to existing Simmonsigns amber beacon installations with ease.

All beacons have high quality LED lighting units driven at 24 Volts AC for significantly reduced maintenance and improved safety.

ModuStar



MiduStar



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Doc Ref: DG129
Issue Date: February 2022
Issue Number: 3

	ASSEMBLY
Gallery	Die Cast LM6-M aluminium, acid cleaned, chromate primed and polyester powder coated black, incorporating stainless steel globe support mast and pre-fitted stainless steel shroud fixing points. Pre-wired with 4 metres of cable and IP56 transformer connector. All threads are stainless steel bushed.
Globe	335mm diameter, self-coloured, rotationally moulded, UV stabilised low density polyethylene, 2.5mm nominal wall thickness. Stainless steel Tri-head fixing with load washer
Transformer	230 Volt AC primary, 24 Volt AC secondary @ 2 amps. Fully potted with a vacuum impregnated core, featuring short circuit and thermal protection. Supplied complete with pre-wired IP56 connector for connection to supplied drop lead and fixing screws. Dimensions 90x60x70mm high.
Shroud	3mm black polycarbonate with stainless steel fixings.
IP Integrity	IP56

The mean luminance from the beacon globe measured in accordance with BS8442

LIGHT OUTPUT

ModuStar

High Output 725 cd/m² with a uniformity ratio of 0.78
Low Output 400 cd/m² with a uniformity ratio of 0.78

MiduStar

High Output 1800cd/m² with a uniformity ratio of 0.8
Low Output 1020cd/m² with a uniformity ratio of 0.8

LIGHT OUTPUT IMPACT OF HIGH INTENSITY LEDs

	DAY		NIGHT**	
Mode	**Globe**	**Arrays**	**Globe**	**Arrays**
0*	100%	100%	50% N	50% N
1	100%	100%	50% N	Off
2	50% N	50% N	50% N	50% N
3	50% N	50% N	50% N	Off

Key: N = Nominal

* Factory setting

** Night time dimming is activated by a 70 lux photocell with a 2 minute switching delay to avoid erroneous switching.

Night dimming applies to the beacon and high intensity LEDs.

HIGH	DAY		NIGHT**	
Mode	**Globe**	**Arrays**	**Globe**	**Arrays**
0*	100%	100%	60% N	60% N
1	100%	100%	60% N	Off
2	100%	60% N	60% N	60% N
3	100%	60% N	60% N	Off

LOW	DAY		NIGHT**	
Mode	**Globe**	**Arrays**	**Globe**	**Arrays**
0	60% N	100%	60% N	60% N
1	60% N	100%	60% N	Off
2	60% N	60% N	60% N	60% N
3	60% N	60% N	60% N	Off

Key: N = Nominal

* Factory setting

** Night time dimming is activated by a 70 lux photocell with a 2 minute switching delay to avoid erroneous switching. The MiduStar has independent beacons halves, each with its own photocell. Each half could therefore dim at slightly different times.

Night dimming applies to the beacon and high intensity LEDs.

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