

### DESCRIPTION

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

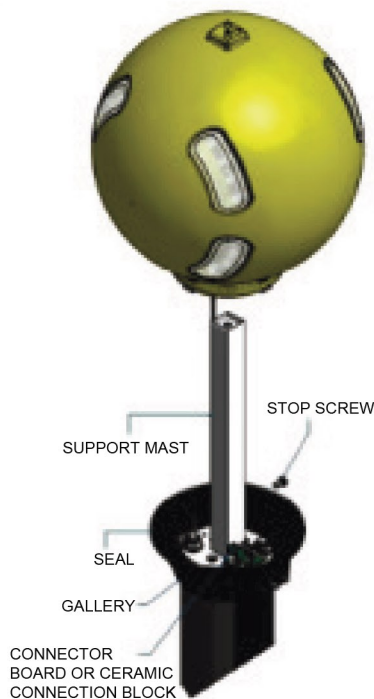
Based on the highly successful Modubel and Midubel, this new offering raises safety to an even higher level by improving visibility.

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 Simmons signs amber beacon installations with ease.

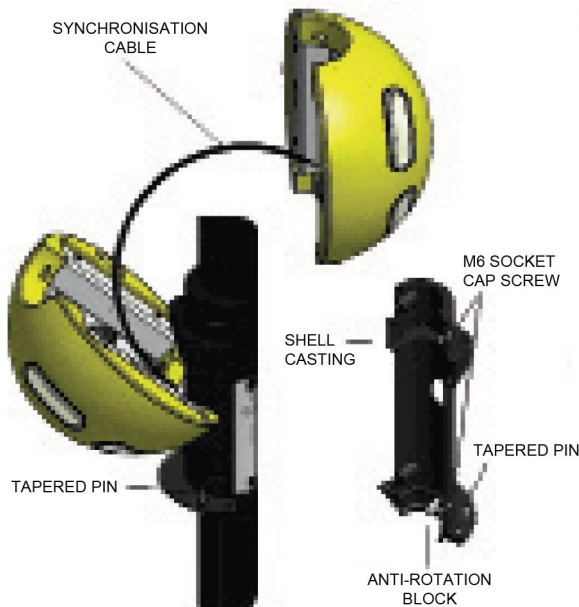
All beacons have high quality LED lighting units driven at 24 Volts AC for significantly reduced maintenance and improved safety.



#### ModuStar



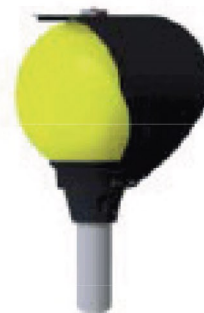
#### MiduStar



#### Full Shroud option



#### Half Shroud option



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ASSEMBLY	
<b>Gallery</b>	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.
<b>Globe</b>	335mm diameter, self-coloured, rotationally moulded, UV stabilised low density polyethylene, 2.5mm nominal wall thickness. Stainless steel Tri-head fixing with load washer
<b>Transformer</b>	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.
<b>Shroud</b>	3mm black polycarbonate with stainless steel fixings.
<b>IP Integrity</b>	IP56

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

### LIGHT OUTPUT

#### ModuStar

High Output 725cd/m<sup>2</sup> with a uniformity ratio of 0.78  
 Low Output 400cdm<sup>2</sup> with a uniformity ratio of 0.78  
 \* Factory setting

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

Night dimming applies to the beacon and high intensity LEDs.

No night dimming available in low output.

Low output compliant with BS 8442: 2022 Day and Night.

High output compliant with BS 8442: 2022 Night only.

#### MiduStar

High Output 1800cdm<sup>2</sup> with a uniformity ratio of 0.8  
 Low Output 700cdm<sup>2</sup> with a uniformity ratio of 0.8  
 \* 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 beacon 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.

No night dimming available in low output.

Low output compliant with BS 8442: 2022 Day and Night.

High output compliant with BS 8442: 2022 Night only.

### LIGHT OUTPUT IMPACT OF HIGH INTENSITY LEDs

Modustar				Day (Circuit Watts)			Night (Circuit Watts)			
Output	Mode	Add to end of order code	Charge Code	Watts	Globe	Arrays	Watts	Globe	Arrays	Switch regime
High	0	/H0	7950017002100	11	100%	100%	5.3	60%	60%	200
High	1	/H1	7950017003100	11	100%	100%	4.5	60%	Off	200
Low	2*		7950017004100	5.3	60%	60%	5.3	60%	60%	N/A
Low	3	/L3	7950017005100	5.3	60%	60%	4.5	60%	Off	200

Midustar High Output				Day (Circuit Watts)			Night (Circuit Watts)			
Output	Mode	Add to end of order code	Charge Code	Watts	Globe	Arrays	Watts	Globe	Arrays	Switch regime
High	0	/H0	7950042009100	25	100%	100%	13	60%	60%	200
High	1	/H1	7950042010100	25	100%	100%	12	60%	Off	200
High	2	/H2	7950042011100	17	100%	60%	13	60%	60%	200
High	3	/H3	7950042012100	17	100%	60%	12	60%	Off	200

Midustar Low Output				Day (Circuit Watts)			Night (Circuit Watts)			
Output	Mode	Add to end of order code	Charge Code	Watts	Globe	Arrays	Watts	Globe	Arrays	Switch regime
Low	0	/L0	7950042013100	13	60%	60%	13	60%	60%	N/A
Low	1	/L1	7950042014100	13	60%	60%	12	60%	Off	200
Low	2*		7950042015100	13	60%	60%	13	60%	60%	N/A
Low	3	/L3	7950042016100	13	60%	60%	12	60%	Off	200

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