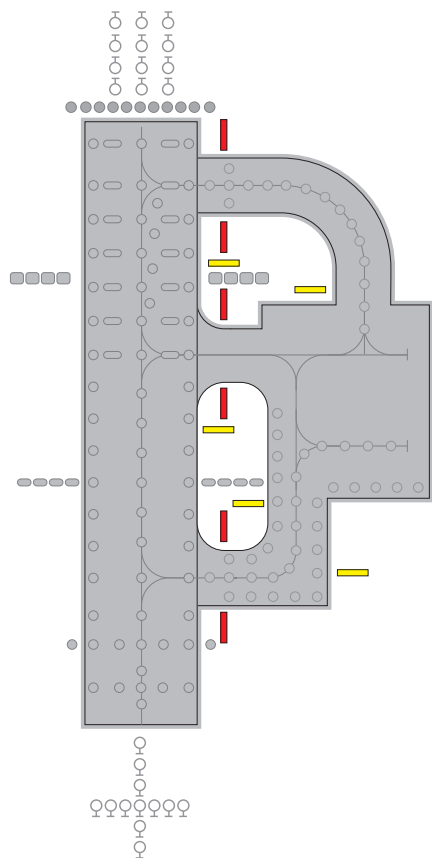
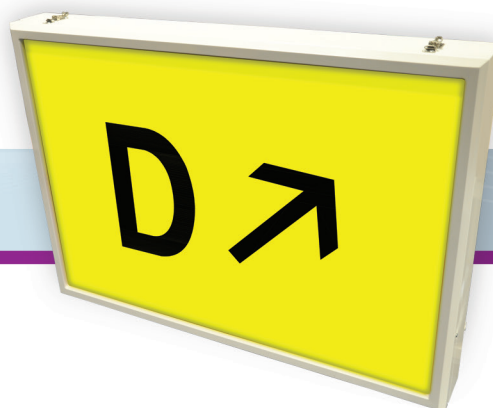




IR858I

LED airfield guidance signs, high intensity lighting solutions



Applications

CAT I/II/III all weather operation airfield ground lighting (agl) systems.

Compliant with Latest International Standards*

- ▶ ICAO Annex 14. Vol 1
- ▶ FAA AC 150/5345-46†
- ▶ FAA Engineering Brief No. 67†
- ▶ TP 312
- ▶ EASA
- ▶ Stannag 3316 (NATO)

* As applicable to the application, compliance with other civil aviation and military regulations confirmed on request

† Electrical/Mechanical/Environmental characteristics only

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Mechanical Performance

For strength and durability the IR858I, Clearway II, sign is constructed from corrosive resistant aluminium box section extrusion which is then powder coated painted. All hasps and clasps are made from stainless steel.

Electrical Performance

The Sign Power Requirements table provides the Power Consumption for each sign size and the corresponding Isolation Transformer. The table applies to both single and double sided signs and 3-step and 5-step regulators. The Power Consumption value is the electrical load presented to the AGL Regulator and takes into account electrical losses and based on a power factor of 0.85

Information Sign Power Requirements					
Sign Face Size		Enclosure		Isolation Transformer (Watts)	Sign Power Consumption (VA)
Height (mm)	Length (mm)	Height (mm)	Length (mm)		
600*	600 *	685	685	45	29.0
600	900	685	985	45	35.0
600	1200	685	1285	45	41.0
600	1500	685	1585	45	48.0
600	1800	685	1885	100	54.0
600	2100	685	2185	100	60.0 (83)**
600	2400	685	2485	100	83.0
600	2700	685	2785	100	89.0
600	2915	685	3000	100	95.0

Mandatory Instruction Sign Power Requirements					
Sign Face Size		Enclosure		Isolation Transformer (Watts)	Sign Power Consumption (Watts)
Height (mm)	Length (mm)	Height (mm)	Length (mm)		
800	900	885	985	100	54.0
800	1200	885	1285	100	83.0
800	1500	885	1585	100	95.0
800	1800	885	1885	100	107.0
800	2100	885	2185	200	120.0 (149)**
800	2400	885	2485	200	149.0
800	2700	885	2785	200	161.0
800	2915	885	3000	200	173.0

* Size not available for double sided option **power for double sided sign option

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LED AGL
IR858I

IR858I LED airfield guidance signs, high intensity lighting solutions



Environmental Conditions

- ▶ Ambient Temperature -55 °C to +55°C (-67 °F to +131°F)
- ▶ Storage Temperature -55 °C to +55°C (-67 °F to +131°F)
- ▶ Ingress Protection IP65

Photometry

Specification

Mandatory Instruction Sign - Appendix 4

Average Luminance (minimum) RVR less than 800m

Red	30 cd/m ²
White	300 cd/m ²

Ratios

Colour (red/white) range	1:5 to 1:10
Adjacent points (main grid points) less than	1.5:1
Whole sign face less than	5:1

Typical Measured Values

Average Luminance

Red	65 cd/m ²
White	360 cd/m ²

Ratios

Colour (Red/White)	1:5.4
Adjacent points white (main grid points)	1.04:1
Whole sign face	1.10:1

Photometry

Specification

Information Sign - Appendix 4

Average Luminance (minimum) RVR less than 800m

Yellow	150 cd/m ²
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Ratios

Adjacent Points (main grid points) less than	1.5:1
Whole sign face less than	5:1

Typical Measured Values

Average Luminance

Yellow	323 cd/m ²
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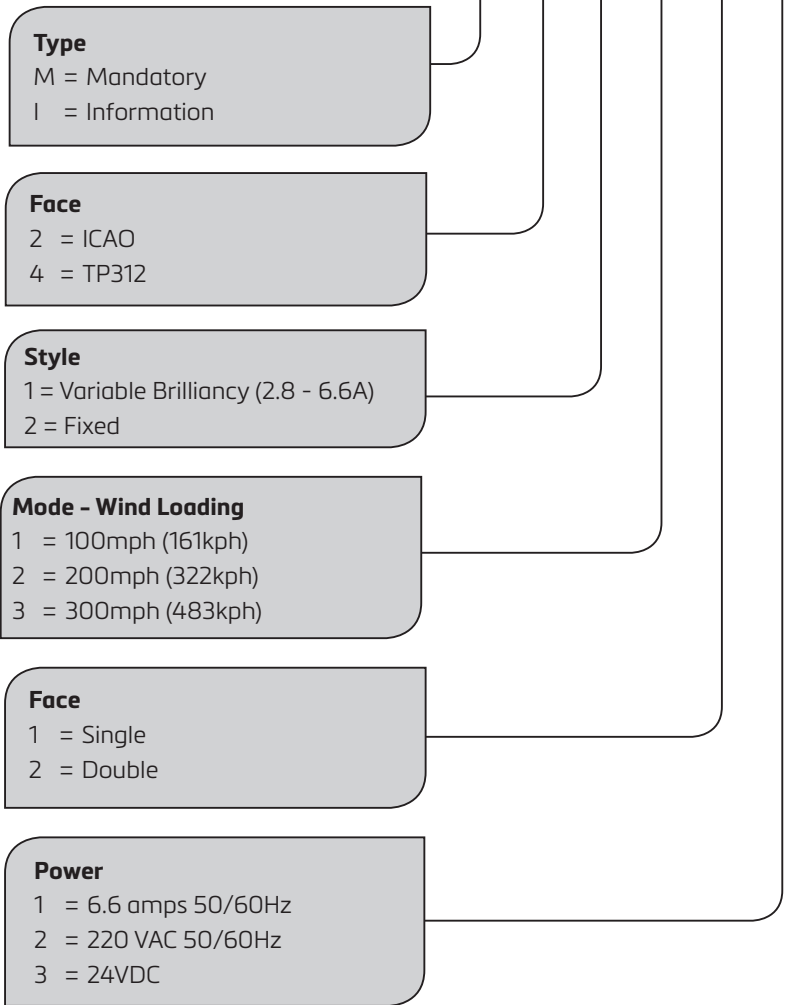
Ratios

Adjacent points (main grid points)	1.02:1
Whole sign face	1.10:1

LED Lamp Life

Lamp life calculated to be in excess of 55,000hrs

Ordering Codes IR858I



Further Options upon request

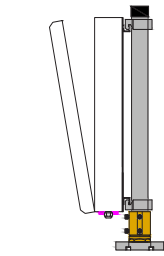
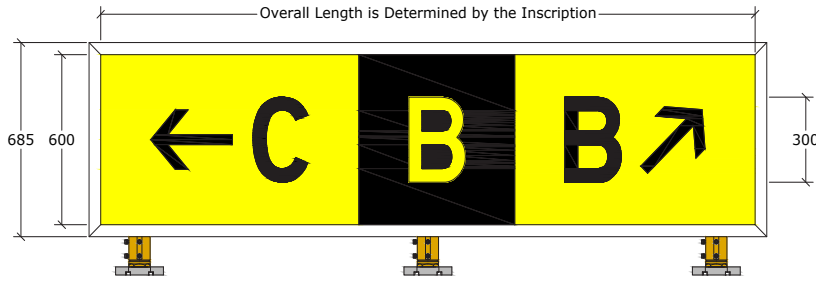
- Tiedown tether
- Bird Spikes / wire
- Isolator switch
- Open Circuit detect

Message Element

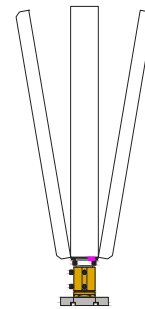
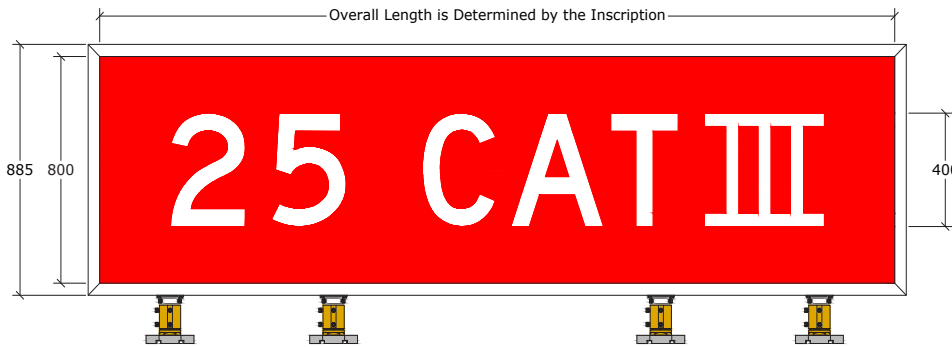
Inscription to be specified by the customer.

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Dimensions



End view single sided sign



End view double sided sign

Dimensions are nominal, number of supports determined by inscription.

Packaging

- Confirmed on request for quotation



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