



ICAO Guidance Sign



Compliances (Current Editions)

ICAO: Annex 14 Sixth Edition



Key Features

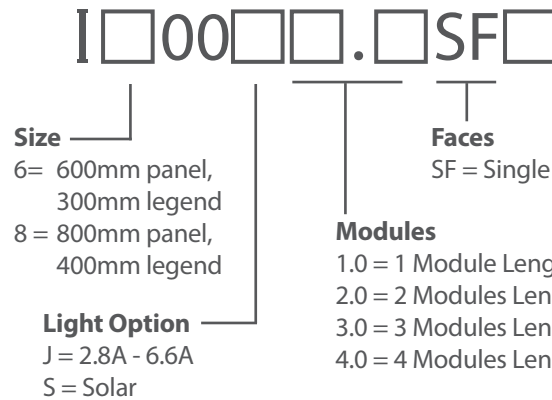
- LED Life >100,000 hours at high intensity
- IP68 Rated LED Lighting
- I-LUX design offers strength and size flexibility while lowering operating costs
- Heavy-gauge aluminum construction
- Free of gaps and joints that weaken modular signs and allow penetration of wind, rain, dirt and snow
- ALC's Single Panel design inherently stronger than competitors modular signs
- Seamless panels display messages without distortion
- 30 times more impact resistant than other brands
- No power tools required for re-lamping
- Brightness controls use field proven technology
- Stainless steel hardware
- Wind velocity: 322km/h (200 mph) or 483km/h (300 mph)
- 4 Year Warranty on LED Modules and LED Circuitry
- Operation from -40 degrees F (-40 degrees C) to 131 degrees F (55 degrees C) environment

*** I-LUX and AGM Airfield Guidancesign Mfr registered trademarks under Airfield Lighting Company*



Specifications

General Catalog Numbers



Options

1 = On/Off Switch
 3 = 300 MPH
 P = View Port
 E = External Power Cord

NOTE: 1 module signs come with 1 tether, all the rest with 2 per sign. More can be ordered.

All signs supplied from the floor flange up. Base cans, transformers, connector kits and secondary cables are sold separately.

Replacement Parts (LED Light Option)

Part Number	Description
C7-LVCV2-24	Low voltage power control module 24 VDC
I7-LEDV3xx.x	LEDV3LED Strip - 6 =600, 8=800, then module of sign
C7-GDTH	Gas Discharge Tube Harness
C7-BRG	Bridge Rectifier

Other Replacement Parts

I8-600LPxx	600mm Legend Panel
I8-600BPxx	600mm Blank Panel
I8-800LPxx	800mm Legend Panel
I8-800LPxx	800mm Blank Panel
C6-SF6	Slip Flange
C6-FF235	Floor Flange
C7-60PC	Power Cord
22-00080	Tether

Transformer Requirements: LEDV3 IP68 Strip

Size	Modules	Transformer	VA Load	Power Factor
600	1.0	100W	50	.93
600	2.0	200W	76	.90
600	3.0	200W	91	.91
600	4.0	300W	107	.91
800	1.0	150W	49	.92
800	2.0	150W	72	.93
800	3.0	300W	93	.90
800	4.0	500W	111	.90

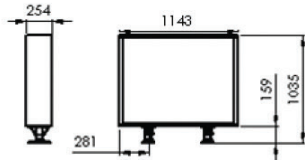


Specifications

Dimensions (mm):

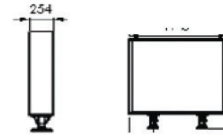
800mm

1.0



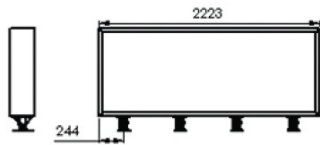
Boxed 1168.4L x 304.8W x 1066.8H - 431 kg

600mm

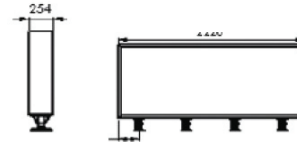


Boxed 990.6L x 304.8W x 863.6H - 30.84kg

2.0

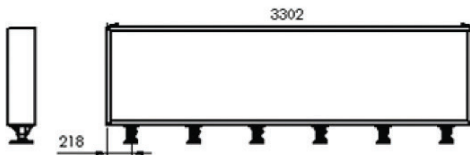


Boxed 2235.2L x 304.8W x 1066.8H - 83.92 kg

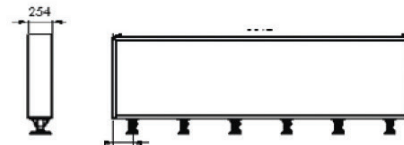


Boxed 1905L x 304.8W x 863.6H - 60.78kg

3.0

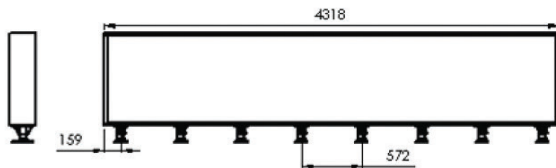


Boxed 3327.4L x 304.8W x 1066.8H - 124.74 kg

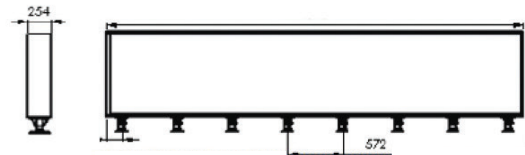


Boxed 2819.4L x 304.8W x 863.6H - 91.17kg

4.0



Boxed: 4394.2L x 304.8W x 1066.8H - 165.56 kg

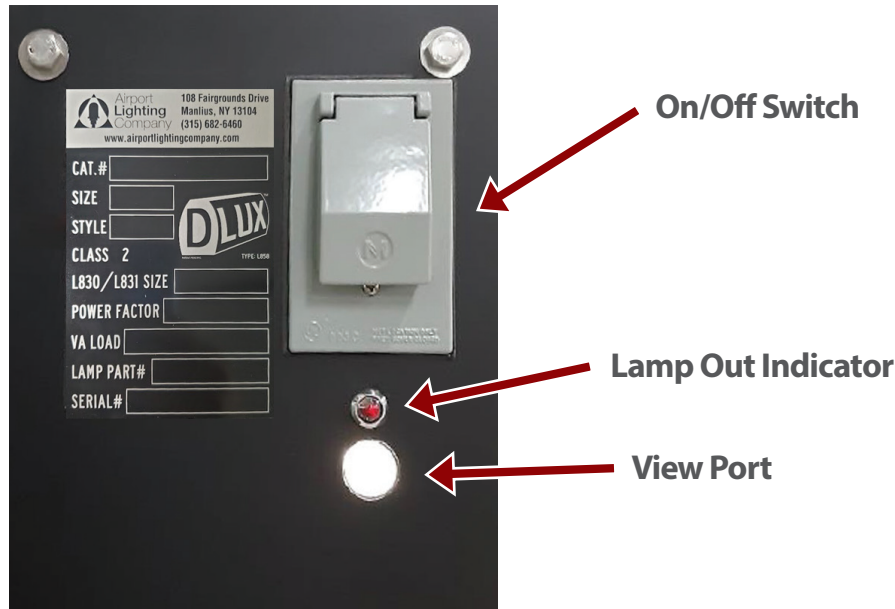


Boxed 2819.4L x 304.8W x 863.6H - 91.17kg

NOTE: All shipments outside of the US and US territories will use ISPM 15 compliant pallets.



L-858 D-Lux & I-Lux Sign Options



(placement of devices may vary depending on Sign Type and Size)

On/Off Switch, Option 1 – Part Number D7-SWA, I7-SWA, I7-SWA-4

The Isolating Safety Switch allows the guidance sign power control and circuitry to be isolated from the airfield constant current regulator (CCR) circuit, providing a greater measure of safety when performing maintenance. This allows the rest of the airfield circuitry to remain illuminated to maintain necessary visual guidance to pilots. The isolating switch is a IP67 rated, 15A bat style toggle switch and includes a weatherproof cover that provides additional protection against mechanical damage. I7-SWA-4 will only be used on I-LUX Size 4 signs.

Lamp Out Indicator, Option S – Part Number C7-CBLOI

The Lamp Out Indicator is designed to aid maintenance staff in determining if a sign is not operating within specification. The C7-CBLOI will consist of a LED monitor circuit board and Indicator LED. C7-CBLOIH36 wire harness will be used in conjunction with the C7-CBLOI on D-LUX signs. Per the FAA Engineering Brief 67D, system must turn off upon 25% failure of LEDs. The Red Lamp Out Indicator will illuminate if the 25% has been exceeded and the sign is out. This will alert maintenance so that the LEDs within the sign can be addressed.

View Port, Option P – Part Number C8-WPLG

The View Port is designed to aid maintenance staff in detection that the sign is lit. This small transparent polycarbonate plug is placed on the end of the sign closest to the pavement so that you can easily see when passing by that sign that the lights are on.

Test Verification of Conformity

Verification Number: 105455047CRT-002TVOC

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	AGM Airfield Guidancesign Mfrs Inc 108 Fairgrounds Dr Ste 8 Manlius, NY 13104-2450 USA
Product Description:	600mm, Code 1 or 2 Mandatory, Code 3 or 4 Direction, Location sign.
Ratings & Characteristics:	face height 600mm, legend height 300mm, LED, operating range 2.8A – 6.6A Operations are conducted in runway visual range conditions less than a value of 800m, non-retroreflective.
Models/Type References:	I600JX.XSFX
Specification<s>/Standards:	International Civil Aviation Organization (ICAO), Aerodromes, Annex 14, Volume 1, Ninth Edition, dated July 2022. ICAO Photometry - Appendix 4, Sections 4-8 Chromaticity – Appendix 1, Figure A1-4 (night-time only) Frangibility – Section 5.4.1.3 Physical Characteristics – Appendix 4
Verification Issuing Office Name & Address:	Intertek Testing Services NA, Inc. 3933 US Rt 11 Cortland, NY 13045 USA
Test Report Number(s):	105455047CRT-001 (Dec 2023), 104115555CRT-001 (Jan 2019)

Additional information in Appendix.

Signature: 
Name: Christopher W Metcalf
Position: Engineering Supervisor
Date: 20 December 2023

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Applicant Name & Address:	AGM Airfield Guidancesign Mfrs Inc 108 Fairgrounds Dr Ste 8 Manlius, NY 13104-2450 USA
Product Description:	800mm, Code 3 or 4 Mandatory, Direction, Location sign.
Ratings & Characteristics:	face height 800mm, legend height 400mm, LED, operating range 2.8A – 6.6A Operations are conducted in runway visual range conditions less than a value of 800m, non-retroreflective.
Models/Type References:	I800JX.XSFX
Specification<s>/Standards:	International Civil Aviation Organization (ICAO), Aerodromes, Annex 14, Volume 1, Ninth Edition, dated July 2022. ICAO Photometry - Appendix 4, Sections 4-8 Chromaticity – Appendix 1, Figure A1-4 (night-time only) Frangibility – Section 5.4.1.3 Physical Characteristics – Appendix 4
Verification Issuing Office Name & Address:	Intertek Testing Services NA, Inc. 3933 US Rt 11 Cortland, NY 13045 USA
Test Report Number(s):	105455047CRT-001 (Oct 2023), 104115555CRT-001 (Jan 2019)

Additional information in Appendix.

Signature: 
Name: Christopher W Metcalf
Position: Engineering Supervisor
Date: 11 October 2023

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