

I-Lux Guidance Sign LED



All FAA Sizes, FAA Types
and FAA Styles are available in LED



Compliances (Current Editions)

FAA: AC 150/5345-44; Engineering Brief No. 67, ETL Certified



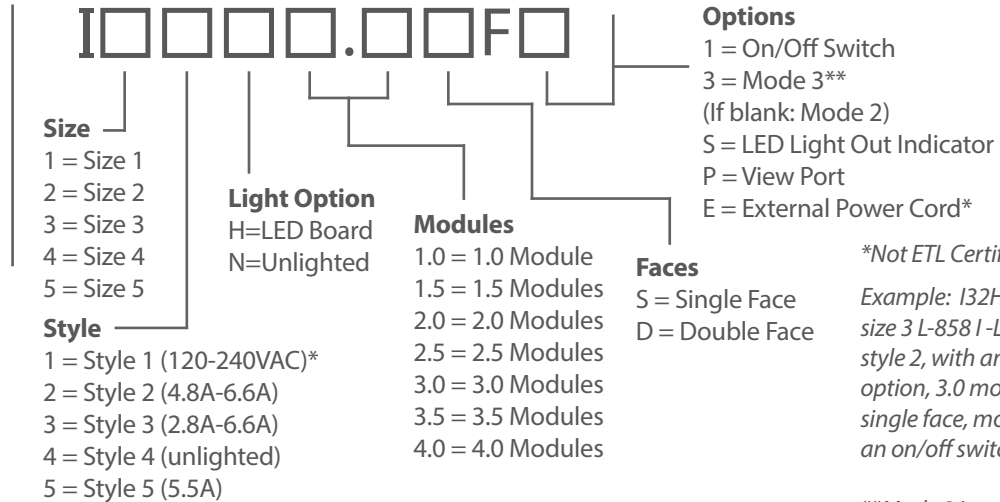
Key Features

- The average LED life is 100,000 hours high intensity / 180,000 hours under typical operating conditions.
- Easily replace traditional L-858 signs
- Solidly & seamlessly integrate off-the-shelf parts and custom fabrication for strength & flexibility while minimizing operating costs
- Platform for cabinet machined from solid, heavy-gauge aluminum construction
- Free of gaps and joints that weaken modular signs and allow penetration of wind, rain, dirt and snow
- Inherently stronger than modular signs because it doesn't rely on the strength of hardware used to piece modular signs together
- I-Lux is as short as possible because it is made per FAA lettering specifications & not artificially lengthened over seams and gaps
- AGM's I-Lux is the only airfield sign available in half module sizing
- Quick and economical installation, with smaller excavation, less concrete, and fewer legs to bolt to the pad
- Smaller obstruction in the field than modular signs, presenting less inertial load on aircrafts should a collision occur
- Seamless panels display messages without distortion
- Highly impact resistant, up to 30 times more than other brands
- No tools required for re-lamping
- Base model brightness controls use technology that has been proven for years in the field



Specifications

General Catalog Numbers



*Not ETL Certified

Example: I32H3.0SF1 is a size 3 L-858 I-Lux sign in style 2, with an LED light option, 3.0 modules, single face, mode 2 with an on/off switch

**Mode 3 is available for Sizes 2, 3, 4, & 5

Replacement Parts (LED Light Option)

Part Number	Description
C7-LVCV2	Low voltage power control module
I7-LEDV2	LED board with optics
C7-DRVR	LED driver module
C7-BRG	Bridge rectifier
I7-120PA1D	120-240V Power Supply, Style 1 Only
C7-VLVC	120V-48VDC Power Supply, Style 1
C7-SOLA	Comm Adapter, Style 1
120-CBLG	Power Cord, 60", Style 1 Only

Style 1 Power Specifications

Size	Modules	Watts	VA	PF
1	1	7	15	0.48
1	1.5 - 2	12	22	0.53
1	2.5 - 3	16	29	0.56
1	3.5 - 4	21	36	0.59
2	1	12	22	0.54
2	1.5 - 2	21	36	0.59
2	2.5 - 3	30	48	0.62
2	3.5 - 4	41	63	0.65
3	1	16	29	0.57
3	1.5 - 2	30	48	0.61
3	2.5 - 3	45	69	0.65
3	3.5 - 4	59	89	0.66

I-Lux Size 4 (LED Board Light Option)

Style	Modules	L-830 Transformer*	Primary Power Factor	Primary VA Load	Secondary Power Factor	Secondary VA Load
2	1.0	65W	49	.94	49	.94
3	1.0	65W	44	.94	44	.94
5	1.0	65W	44	.94	44	.94



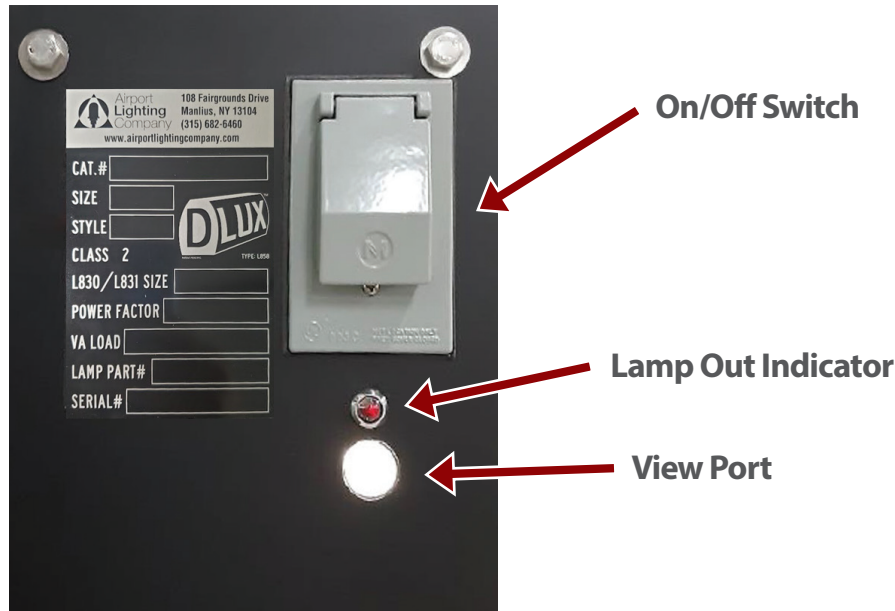
Specifications

Transformer Requirements: LED Board

Size	Style	Modules	L-830 Transformer*	Primary Power Factor	Primary VA Load	Secondary Power Factor	Secondary VA Load	# of LEDs
1	2	1.0	65W	0.94	41	0.95	27	2
1	2	1.5 & 2.0	65W	0.95	45	0.94	32	4
1	2	2.5 & 3.0	65W	0.95	49	0.94	35	6
2	2	3.5 & 4.0	65W	0.95	54	0.94	40	8
2	2	1.0	65W	0.95	45	0.95	32	4
2	2	1.5 & 2.0	65W	0.95	54	0.94	40	8
2	2	2.5 & 3.0	65W	0.94	63	0.93	50	12
3	2	3.5 & 4.0	100W	0.93	75	0.92	60	16
3	2	1.0	65W	0.94	48	0.94	36	6
3	2	1.5 & 2.0	65W	0.94	64	0.93	51	12
3	2	2.5 & 3.0	100W	0.93	78	0.92	65	18
5	2	3.5 & 4.0	100W	0.93	93	0.92	79	24
1	2	1.0	65W	0.94	41	0.95	27	2
1	3	1.5 & 2.0	65W	0.95	45	0.94	32	4
1	3	2.5 & 3.0	65W	0.95	49	0.94	36	6
1	3	3.5 & 4.0	65W	0.95	54	0.94	41	8
2	3	1.0	65W	0.95	45	0.95	31	4
2	3	1.5 & 2.0	65W	0.94	54	0.94	41	8
2	3	2.5 & 3.0	100W	0.93	64	0.93	49	12
2	3	3.5 & 4.0	200W	0.92	78	0.92	62	16
3	3	1.0	65W	0.94	48	0.94	36	6
3	3	1.5 & 2.0	100W	0.93	64	0.93	50	12
3	3	2.5 & 3.0	200W	0.92	82	0.92	65	18
3	3	3.5 & 4.0	200W	0.92	96	0.92	79	24
5	3	1.0	65W	0.95	32	0.94	23	2
1	3	1.5 & 2.0	65W	0.95	37	0.94	27	4
1	5	2.5 & 3.0	65W	0.94	41	0.93	32	6
1	5	3.5 & 4.0	65W	0.94	46	0.93	37	8
1	5	1.0	65W	0.95	37	0.94	28	4
2	5	1.5 & 2.0	65W	0.94	47	0.93	37	8
2	5	2.5 & 3.0	65W	0.93	56	0.92	46	12
2	5	3.5 & 4.0	100W	0.93	67	0.91	57	16
2	5	1.0	65W	0.93	67	0.91	57	6
3	5	1.5 & 2.0	65W	0.93	57	0.92	47	12
3	5	2.5 & 3.0	100W	0.92	71	0.91	62	18
3	5	3.5 & 4.0	100W	0.92	85	0.91	76	24

**Minimum*

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.