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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
- All I-LUX Signs utilize two (2) tethers

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Specifications

General Catalog Numbers

I□□□□.□□F□

Size
1 = Size 1
2 = Size 2
3 = Size 3
4 = Size 4
5 = Size 5

Style
1 = Style 1 (120-240VAC)*
2 = Style 2 (4.8A-6.6A)
3 = Style 3 (2.8A-6.6A)
4 = Style 4 (unlighted)
5 = Style 5 (5.5A)

Light Option
H=LED Board
N=Unlighted

Modules
1.0 = 1.0 Module
1.5 = 1.5 Modules
2.0 = 2.0 Modules
2.5 = 2.5 Modules
3.0 = 3.0 Modules
3.5 = 3.5 Modules
4.0 = 4.0 Modules

Faces
S = Single Face
D = Double Face

Options
1 = On/Off Switch
3 = Mode 3**
(If blank: Mode 2)
S = LED Light Out Indicator
P = View Port
E = External Power Cord*

**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
22-00080	I-LUX Tether (2 per Sign)

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*

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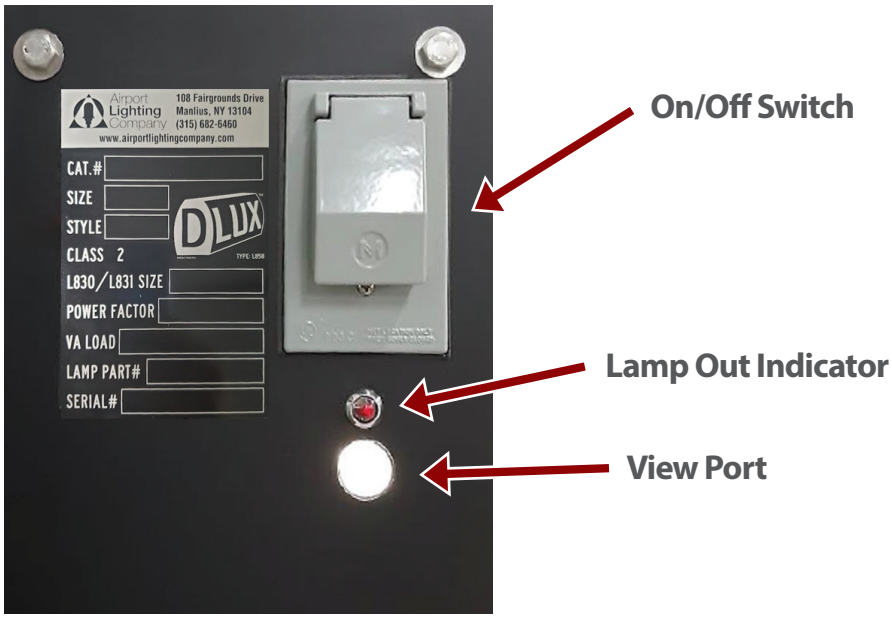
L-858 D-Lux & I-Lux Sign Options



(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 poly-carbonate 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.