D-LUX™ Guidance Signs LED

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

Compliances (Current Editions)

FAA: AC 150/5345-44 and Engineering Brief No. 67

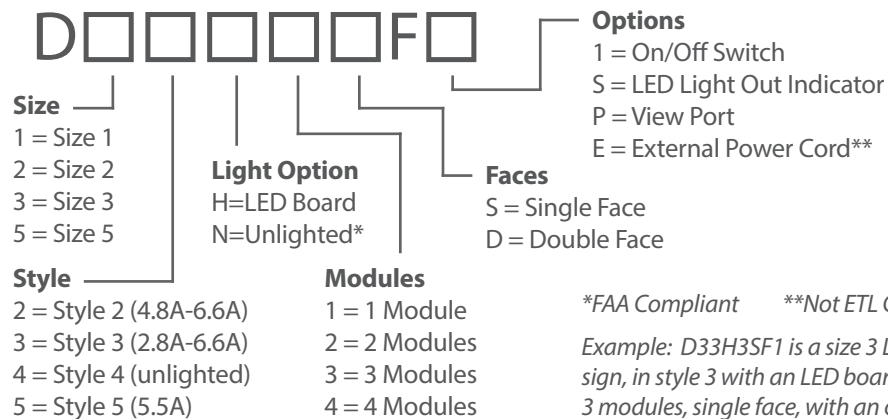**ETL** VERIFIED Intertek

D LUX®

HERCULENS™

The Herculens is the most durable sign panel on the market today. It comes factory installed in ALC's patented Size 3 D-Lux brand rounded signs. More than 50% thicker than other panels, it is CNC-machined and expertly formed for a solid fit. The Herculens is unyielding to jet blast, even when used without internal bracing or other cabinet modifications.

Key Features

- Easily replace traditional L-858 signs
- Modules are mounted on evenly spaced pair of legs
- Slip-flanges hold the legs secure with almost no gap in the assembly
- Environmental forces are shared by legs and cabinet, and not concentrated on hardware
- Each rounded face is made from expertly formed acrylic
- One (1) Tether per Module

- Legend panels are connected by translucent panel joints, which are welded together with adhesive and additionally reinforced with stainless steel hardware
- Every module features a top that is designed to easily guide the edge of the panels into place when it is replaced after re-lamping, and is fixed to the sign with 2 turn fasteners - no tools are required for re-lamping
- Base model brightness controls use technology that has been proven for years in the field
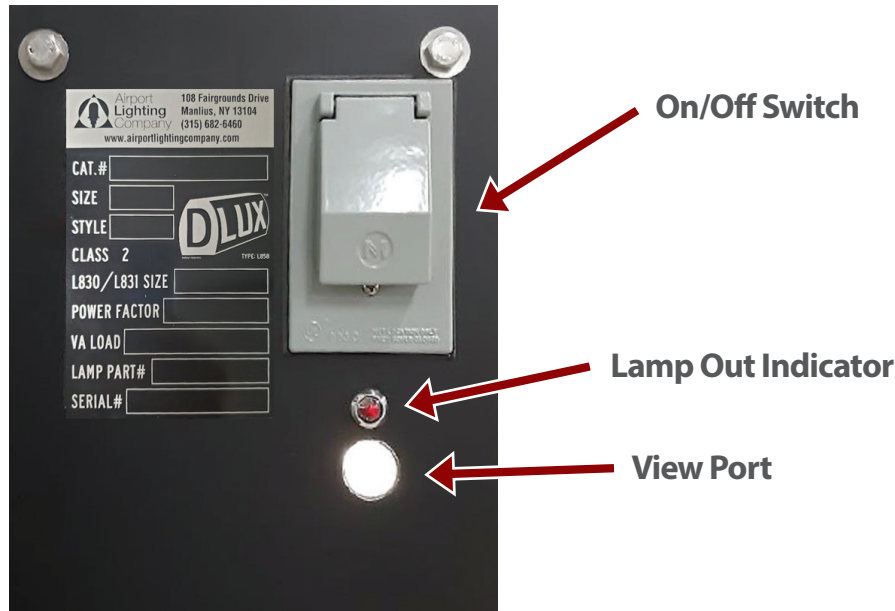
General Catalog Numbers

D ☐ ☐ ☐ ☐ ☐ F ☐

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

Style
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 = 1 Module
2 = 2 Modules
3 = 3 Modules
4 = 4 Modules

Faces
S = Single Face
D = Double Face

Options
1 = On/Off Switch
S = LED Light Out Indicator
P = View Port
E = External Power Cord**

*FAA Compliant   **Not ETL Certified

Example: D33H3SF1 is a size 3 L-858 D-Lux sign, in style 3 with an LED board light option, 3 modules, single face, with an on/off switch

Transformer Requirements: LED Board

Size	Style	Modules	L-830 Transformer	VA Load	Power Factor
1	2	1.0	65W	39	.93
1	2	2.0	65W	44	.93
1	2	3.0	65W	49	.94
1	2	4.0	65W	54	.94
2	2	1.0	65W	41	.93
2	2	2.0	65W	49	.94
2	2	3.0	65W	56	.94
2	2	4.0	65W	65	.94
3	2	1.0	65W	44	.93
3	2	2.0	65W	54	.94
3	2	3.0	65W	65	.94
3	2	4.0	100W	77	.93
5	2	1.0	65W	44	.93
1	3	1.0	65W	39	.93
1	3	2.0	65W	44	.93
1	3	3.0	65W	49	.94
1	3	4.0	65W	54	.94
2	3	1.0	65W	41	.93
2	3	2.0	65W	49	.94
2	3	3.0	100W	57	.94
2	3	4.0	100W	69	.94
3	3	1.0	65W	44	.93
3	3	2.0	65W	54	.94
3	3	3.0	100W	69	.94
3	3	4.0	200W	77	.93
5	3	1.0	65W	44	.93
1	5	1.0	65W	39	.93
1	5	2.0	65W	44	.93
1	5	3.0	65W	49	.94
1	5	4.0	65W	54	.94
2	5	1.0	65W	41	.93
2	5	2.0	65W	49	.94
2	5	3.0	65W	56	.94
2	5	4.0	65W	65	.94
3	5	1.0	65W	44	.93
3	5	2.0	65W	54	.94
3	5	3.0	65W	65	.94
3	5	4.0	100W	77	.93
5	5	1.0	65W	44	.93

Replacement Parts

Part Number	Description
C7-LVCV2	Low voltage power control module
C7-LEDV2	LED modules
C7-DRVR	LED driver board
C7-BRG	Bridge rectifier
C6-THR	Tether
C7-60PC	Power Cord

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

On/Off Switch

Lamp Out Indicator

View Port

(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.