



Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806



ICAO I-Lux® LED  
Taxiway and Runway Signs  
CAT I / CAT II / CAT III

PH (916) 394-2800    FX (916) 394-2809  
TF (800) 806-3548    EM info@flightlight.com

**Compliance and Applications**

Our I-Lux signs solidly and seamlessly integrate off-the-shelf parts and custom fabrication for strength and flexibility while minimizing operating costs.

Our LED signs consume up to 80% less power than signs using traditional lamps and up to 50% less power than other LED signs. With crisp, clean LED light and minimal bloom or ground splash, they are visually acquired more quickly and are much easier to read.

**Features**

- Solid, seamless construction for strength and reliable performance.
- Long-lasting, energy-efficient LEDs virtually eliminate ongoing maintenance.
- Lowest VA loads: Most efficient signs available.
- LEDs use 80% less power than traditional lamps.
- Crisp, clean light with minimal bloom or ground splash makes them easier to acquire and read.
- Quick, simple and less expensive to install.
- Bright, clear panels are highly impact resistant.

**Construction**

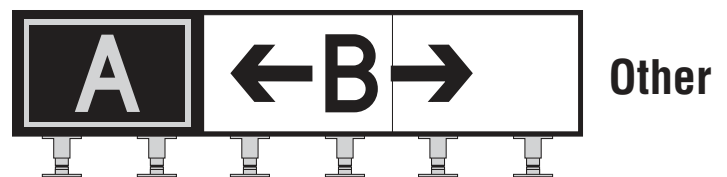
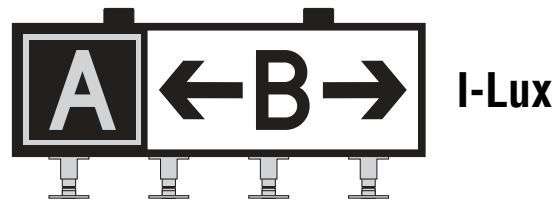
The platform for the I-Lux is a cabinet machined from solid, heavy gauge aluminum extrusion. Monolithic tops and bottoms are impervious to blowing rains, dirt, and snow because they are free of the gaps found in signs of modular construction. The I-Lux is inherently stronger than modular signs because it doesn't rely on the strength of the hardware used to piece modular signs together.

The I-Lux is the only airfield sign available in half module sizing. This keeps it as short as possible because it is not artificially lengthened over seams and gaps like signs of modular construction. Installation is quick and economical, with a smaller excavation, less concrete and fewer legs to bolt to the pad.

The I-Lux is a smaller obstruction in the field than modular signs, presenting less inertial load on an aircraft should a collision occur.

The seamless panels of the I-Lux display messages without distortion. They are free of the gaps and joints that weaken modular signs and allow penetration by wind, rain, dirt and snow. Bright and clear, I-Lux panels are up to 30 times more impact resistant than other brands.

Installations of our I-Lux virtually eliminate ongoing maintenance. The LED light engine provides remarkable reliability, eliminating the constant re-lamping required by traditional



**Sign Size and Legend Height**

Sign Size	400mm	600mm	800mm	1200mm
Legend Height	200mm	300mm	400mm	1000mm
Mod 1.0 viewable length	775mm	927mm	1090mm	1270mm

signs. You'll spend less time driving around the airfield, reducing opportunities for incursions, and gain valuable time for more important airfield maintenance tasks.

Tried and true, the I-Lux is the solid and sensible choice for hassle-free longevity.

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**Ordering Codes**

Model	Sign Size	Power Style	Lamp Type	Modules (length in mm)				Sign Faces	Optional Items	Mode
				Size 1	Size 2	Size 3	Size 5			
ICAO-I: ICAO ILUX	400: 400mm	2: Style 2 (3 step 4.8A to 6.6A)	H: LED Board	1.0:	826	978	1143	SF: Single Face DF: Double Face	I: On/Off Switch (with cover) P: View Port S: LED Lamp Out Indicator A: Alternate Leg Spacing E: External Power Cord	3: Mode 3 (if blank = Mode 2)
	600: 600mm			1.5:	1209	1435	1683			
	800: 800mm	2.0:		1588	1892	2225				
	1200: 1200mm	2.5:		1971	2350	2762				
		3.0:		2350	2807	3302				
	3: Style 3 (5 step 2.8A to 6.6A)	3.5:	2733	3264	3854					
	5: Style 5 (1 step 5.5A)	4.0:	3112	3721	4375					
ICAO-I			H							

**L830 Requirements, VA Loads, Power Factors:**

Power factors are measured on the primary of the corresponding L830 transformer.  
 This takes into account the inherent deficiencies of the isolation transformer in the values. These ratings are subject to change without notice.

**ICAO I-Lux 400mm CAT I / II / III**

Style	Modules	# of Elements	CAT I			CAT II / III		
			L830 Transformer	VA*	Power Factor*	L830 Transformer	VA*	Power Factor*
2	1.0	4	65W	44	0.93	65W	49	0.96
2	1.5	8	65W	54	0.94	65W	65	0.93
2	2.0	8	65W	54	0.94	65W	65	0.93
2	2.5	12	65W	65	0.94	100W	87	0.93
2	3.0	12	65W	65	0.94	100W	87	0.93
2	3.5	16	100W	77	0.93	100W	101	0.93
2	4.0	16	100W	77	0.93	100W	101	0.93
3	1.0	4	65W	44	0.93	100W	55	0.96
3	1.5	8	65W	54	0.94	100W	70	0.93
3	2.0	8	65W	54	0.94	100W	70	0.93
3	2.5	12	100W	69	0.93	200W	82	0.92
3	3.0	12	100W	69	0.93	200W	82	0.92
3	3.5	16	200W	77	0.92	200W	98	0.92
3	4.0	16	200W	77	0.92	200W	98	0.92
5	1.0	4	65W	37	0.94	65W	47	0.96
5	1.5	8	65W	50	0.94	65W	65	0.93
5	2.0	8	65W	50	0.94	65W	65	0.93
5	2.5	12	65W	58	0.93	100W	76	0.93
5	3.0	12	65W	58	0.93	100W	76	0.93
5	3.5	16	100W	69	0.93	100W	91	0.92
5	4.0	16	100W	69	0.93	100W	91	0.92

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**ICAO I-Lux 600mm CAT I / II / III**

Style	Modules	# of Elements	CAT I			CAT II / III		
			L830 Transformer	VA*	Power Factor*	L830 Transformer	VA*	Power Factor*
2	1.0	6	65W	49	0.94	65W	57	0.93
2	1.5	12	65W	65	0.94	100W	87	0.93
2	2.0	12	65W	65	0.94	100W	87	0.93
2	2.5	18	100W	83	0.93	200W	105	0.92
2	3.0	18	100W	83	0.93	200W	105	0.92
2	3.5	24	100W	95	0.93	200W	127	0.92
2	4.0	24	100W	95	0.93	200W	127	0.92
3	1.0	6	65W	49	0.94	65W	57	0.93
3	1.5	12	100W	69	0.93	200W	82	0.92
3	2.0	12	100W	69	0.93	200W	82	0.92
3	2.5	18	200W	83	0.92	300W	109	0.90
3	3.0	18	200W	83	0.92	300W	109	0.90
3	3.5	24	200W	95	0.92	300W	132	0.91
3	4.0	24	200W	95	0.92	300W	132	0.91
5	1.0	6	65W	41	0.94	65W	50	0.93
5	1.5	12	65W	58	0.93	100W	76	0.93
5	2.0	12	65W	58	0.93	100W	76	0.93
5	2.5	18	100W	73	0.93	100W	99	0.92
5	3.0	18	100W	73	0.93	100W	99	0.92
5	3.5	24	100W	88	0.92	200W	122	0.92
5	4.0	24	100W	88	0.92	200W	122	0.92

\*These ratings are subject to change without notice.

**ICAO I-Lux 800mm CAT I / II / III**

Style	Modules	# of Elements	CAT I			CAT II / III		
			L830 Transformer	VA*	Power Factor*	L830 Transformer	VA*	Power Factor*
2	1.0	8	65W	54	0.94	65W	65	0.93
2	1.5	16	100W	77	0.93	100W	101	0.93
2	2.0	16	100W	77	0.93	100W	101	0.93
2	2.5	24	100W	95	0.93	200W	127	0.92
2	3.0	24	100W	95	0.93	200W	127	0.92
2	3.5	32	300W	145	0.93	300W	174	0.92
2	4.0	32	300W	145	0.93	300W	174	0.92
3	1.0	8	65W	54	0.94	100W	70	0.93
3	1.5	16	200W	77	0.92	200W	98	0.92
3	2.0	16	200W	77	0.92	200W	98	0.92
3	2.5	24	200W	95	0.92	300W	132	0.91
3	3.0	24	200W	95	0.92	300W	132	0.91
3	3.5	32	300W	145	0.93	300W	176	0.91
3	4.0	32	300W	145	0.93	300W	176	0.91
5	1.0	8	65W	50	0.94	65W	65	0.93
5	1.5	16	100W	69	0.93	100W	91	0.92
5	2.0	16	100W	69	0.93	100W	91	0.92
5	2.5	24	100W	88	0.92	200W	122	0.92
5	3.0	24	100W	88	0.92	200W	122	0.92
5	3.5	32	300W	121	0.93	300W	163	0.92
5	4.0	32	300W	121	0.93	300W	163	0.92

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**ICAO I-Lux 1200mm CAT I / II / III**

Style	Modules	L830 Transformer	VA*	Power Factor*	# of Elements
2	1.0	65W	65	0.93	8
3	1.0	100W	70	0.93	8
5	1.0	65W	65	0.93	8

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