



LED LIGHTING SYSTEM

VA Loads &
Power Factors

Certified to current FAA Advisory Circular 150/5345-44

Specification for Runway and Taxiway Signs

View our Certificate of Conformance

		FAA Style 2 (4.8A-6.6A) FAA Style 3 (2.8A-6.6A)			FAA Style 5 (5.5A)		
SIGN SIZE & MODULE LENGTH	LAMPS	4W LED			4W LED		
		ISO XFMR	MAX VA	POWER FACTOR	ISO XFMR	MAX VA	POWER FACTOR
Size 1, 1-mod	2	100W	49	.94	100W	37	.94
2-mod	4	100W	64	.88	100W	48	.89
3-mod	6	100W	67	.89	100W	50	.90
4-mod	8	100W	73	.90	100W	56	.91
Size 2, 1-mod	3	100W	62	.87	100W	46	.88
2-mod	6	100W	67	.89	100W	50	.90
3-mod	9	100W	74	.90	100W	58	.92
4-mod	12	100W	78	.91	100W	62	.93
Size 3, 1-mod	3	100W	62	.87	100W	46	.88
2-mod	6	100W	67	.89	100W	50	.90
3-mod	9	100W	74	.90	100W	58	.92
4-mod	12	100W	78	.91	100W	62	.93
Size 5, 1-mod	3	100W	62	.87	100W	46	.88
Size 4, 1-mod	6	100W	67	.89	100W	50	.90

LUMACURVE AIRFIELD SIGNS

9115 Freeway Dr., Macedonia, OH 44056
800-258-1997 www.lumacurve.com



XTL LIGHTING SYSTEM

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		XTL Lighting Systems						
		FAA Style 2 (4.8A-6.6A) XTL 20W Quartz				FAA Style 3 (2.8A-6.6A) XTL 20W Quartz		
Sign Size & Module Length	Lamps	Isol Xfmr	Max VA	Pwr Factr		Isol Xfmr	Max VA	Pwr Factr
Size 1,	1-mod	1	100W	71	0.89	100W	71	0.89
	2-mod	2	100W	79	0.93	200W	78	0.92
	3-mod	3	200W	102	0.93	300W	107	0.91
	4-mod	4	200W	127	0.93	300W	131	0.92
Size 2,	1-mod	2	100W	79	0.93	200W	78	0.92
	2-mod	4	200W	127	0.93	300W	131	0.92
	3-mod	6	300W	167	0.93	500W	174	0.92
	4-mod	8	300W	214	0.94	600W**	222	0.93
Size 3,	1-mod	2	100W	79	0.93	200W	78	0.92
	2-mod	4	200W	127	0.93	300W	131	0.92
	3-mod	6	300W	167	0.93	500W	174	0.92
	4-mod	8	300W	214	0.94	600W**	222	0.93
Size 5,	1-mod	2	100W	79	0.93	200W	78	0.92
Size 4,	1-mod	4	200W	127	0.93	300W	131	0.92

* For less than ideal circuits, we recommend an upsized transformer to ensure adequate power to the sign.

**A Siamese pigtail with two male L-823 plugs and one tennis ball female receptacle is supplied with these signs for connection to two isolation transformers making the required wattage sum.

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QUARTZ/STYLE 5 LIGHTING SYSTEM

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Specification for Runway and Taxiway Signs

Sign Size & Module Length Lamps		Traditional Lighting Systems, Style 5					
		FAA Style 5 (Constant 5.5A) 45W/T10P				FAA Style 5 (Constant 5.5A) 45W EXM Qtz	
Isol Xfmr	Max VA	Pwr Factr	Isol Xfmr	Max VA		Pwr Factr	
Size 1, 1-mod	1	45W	33	0.99	45W	39	0.99
2-mod	2	100W	65	0.99	100W	71	0.99
3-mod	3	100W	93	0.99	100W	101	0.99
4-mod	4	200W	127	0.99	200W	141	0.99
Size 2, 1-mod	2	100W	65	0.99	100W	71	0.99
2-mod	4	200W	127	0.99	200W	141	0.99
3-mod	6	200W	181	0.98	200W	192	0.98
4-mod	8	300W	236	1.00	300W	261	1.00
Size 3, 1-mod	2	100W	65	0.99	100W	71	0.99
2-mod	4	200W	127	0.99	200W	141	0.99
3-mod	6	200W	181	0.98	200W	192	0.98
4-mod	8	300W	236	1.00	300W	261	1.00
Size 5, 1-mod	2	100W	65	0.99	100W	71	0.99
Size 4, 1-mod	4	200W	127	0.99	200W	141	0.99

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