

ECO Spot™ Photometrics							PROJECTION DISTANCE IN FEET (ft)																	
Model Gobo Size	Color Temp.	Lens	Beam Mult.	Effective lm	CD	Value	3	6	9	12	15	18	24	30	36	42	64	88	112	136	200	250		
ES-A10 D-Size	5000k +/- 500k	70mm (28°)	0.46	574	3,456	Size (ft)	1.4	2.8	4.1	5.5	6.9	8.3	11	14	17									
						Brightness (fc)	384	96	43	24	15	11	6	4	3									
ES-LED10 E-Size	5000k +/- 500k	140mm (10°)	0.18	183	7,200	Size (ft)			1.6	2.2	2.7	3.2	4.3	5.4	6.5	7.6								
		Brightness (fc)			89	50	32	22	13	8	6	4												
		100mm (15°)	0.26	382	7,200	Size (ft)		1.6	2.3	3.1	3.9	4.7	6.2	7.8	9.4	11								
		Brightness (fc)		200	89	50	32	22	13	8	6	4												
ES-LED25 E-Size	5500k +/- 500k	140mm (10°)	0.18	568	22,320	Size (ft)			1.6	2.2	2.7	3.2	4.3	5.4	6.5	7.6	11.5	16						
		Brightness (fc)			276	155	99	69	39	25	17	13	5	3										
		100mm (15°)	0.26	650	12,240	Size (ft)		1.6	2.3	3.1	3.9	4.7	6.2	7.8	9.4	11	17							
		Brightness (fc)		340	151	85	54	38	21	14	9	7	3											
ES-LED25D D-Size	5500k +/- 500k	70mm (20°)	0.35	692	7,200	Size (ft)	1.1	2.1	3.2	4.2	5.3	6.3	8.4	11	13	15								
		Brightness (fc)	800	200	89	50	32	22	13	8	6	4												
		50mm (25°)	0.45	870	5,472	Size (ft)	1.4	2.7	4.1	5.4	6.8	8.1	11	14	16	19								
		Brightness (fc)	608	152	68	38	24	17	10	6	4	3												
ES-LED25D D-Size	5500k +/- 500k	140mm (14°)	0.25	1060	21,600	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22						
		Brightness (fc)			267	150	96	67	38	24	17	12	5	3										
		100mm (21°)	0.36	1172	11,520	Size (ft)		2.2	3.2	4.3	5.4	6.5	8.6	10.8	13.0	15	23							
		Brightness (fc)		320	142	80	51	36	20	13	9	7	3											
ES-LED40C ES-LED40CE E-Size	6000k +/- 500k	140mm (10°)	0.18	549	21,600	Size (ft)			1.6	2.2	2.7	3.2	4.3	5.4	6.5	7.6	12	16						
		Brightness (fc)			267	150	96	67	38	24	17	12	5	3										
		100mm (15°)	0.26	879	16,560	Size (ft)		1.6	2.3	3.1	3.9	4.7	6.2	7.8	9.4	11	17							
		Brightness (fc)		460	204	115	74	51	29	18	13	9	4											
ES-LED40D ES-LED40DE D-Size	6000k +/- 500k	70mm (20°)	0.35	762	7,920	Size (ft)	1.1	2.1	3.2	4.2	5.3	6.3	8.4	11	13	15								
		Brightness (fc)	880	220	98	55	35	24	14	9	6	4												
		50mm (25°)	0.45	1099	6,912	Size (ft)	1.4	2.7	4.1	5.4	6.8	8.1	11	14	16	19								
		Brightness (fc)	768	192	85	48	31	21	12	8	5	4												
ES-LED-B40 D-Size	6000k +/- 500k	140mm (14°)	0.25	1522	30,528	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.6	9.1	10.6	16	22						
		Brightness (fc)			377	212	136	94	53	34	24	17	7	4										
		100mm (21°)	0.36	1797	17,280	Size (ft)		2.2	3.3	4.4	5.5	6.6	8.7	10.9	13.1	15	23							
		Brightness (fc)		480	213	120	77	53	30	19	13	10	4											
ES-LED-B60 ES-LED-B60E D-Size	6000k +/- 500k	70mm (28°)	0.49	1900	10,080	Size (ft)	1.5	2.9	4.4	5.9	7.4	8.8	11.8	15	18	21								
		Brightness (fc)	1120	280	124	70	45	31	18	11	8	6												
		50mm (35°)	0.63	2378	7,632	Size (ft)	1.9	3.8	5.7	7.6	9.5	11.3	15	19	23	26								
		Brightness (fc)	848	212	94	53	34	24	13	8	6	4												
ES-LED80CE E-Size	5500k +/- 500k	140mm (10°)	0.18	1062	41,760	Size (ft)			1.6	2.2	2.7	3.2	4.3	5.4	6.5	7.6	12	16	20					
		Brightness (fc)			516	290	186	129	73	46	32	24	10	5	3									
		100mm (15°)	0.26	1131	21,312	Size (ft)		1.6	2.3	3.1	3.9	4.7	6.2	7.8	9.4	11	17	23						
		Brightness (fc)		592	263	148	95	66	37	24	16	12	5	3										
ES-LED80 ES-LED80E ES-LED80C M-Size	5500k +/- 500k	200mm (15°)	0.25	2473	50,400	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22.0	28.0	34.0				
		Brightness (fc)			622	350	224	156	88	56	39	29	12	7	4	3								
		140mm (20°)	0.35	2631	27,360	Size (ft)		2.1	3.2	4.2	5.3	6.3	8.4	11	13	15	22	31						
		Brightness (fc)		760	338	190	122	84	48	30	21	16	7	4										
ES-LED-B90 ES-LED-B90E ES-LED-B90C M-Size	6000k +/- 500k	200mm (15°)	0.25	6217	126,720	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22.0	28.0	34.0	50.0			
		Brightness (fc)			1564	880	563	391	220	141	98	72	31	16	10	7	3							
		140mm (20°)	0.35	6300	65,520	Size (ft)		2.1	3.2	4.2	5.3	6.3	8.4	11	13	15	22	31	39	48				
		Brightness (fc)		1820	809	455	291	202	114	73	51	37	16	8	5	4								
ES-LED-B150 ES-LED-B150E ES-LED-B150C M-Size	6000k +/- 500k	200mm (15°)	0.25	8124	165,600	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22.0	28.0	34.0	50.0	62.5		
		Brightness (fc)			2044	1150	736	511	288	184	128	94	40	21	13	9	4	3						
		140mm (20°)	0.35	9693	100,800	Size (ft)		2.1	3.2	4.2	5.3	6.3	8.4	11	13	15	22	31	39	48	70			
		Brightness (fc)		2800	1244	700	448	311	175	112	78	57	25	13	8	5	3							
ES-250 ES-250C M-Size	7200k	200mm (15°)	0.25	4945	100,800	Size (ft)			2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	16.0	22.0	28.0	34.0	50.0			
		Brightness (fc)			1244	700	448	311	175	112	78	57	25	13	8	5	3							
		140mm (20°)	0.35	4708	48,960	Size (ft)		3.2	4.2	5.3	6.3	8.4	11	13	15	22	31	39	48					
		Brightness (fc)		604	340	218	151	85	54	38	28	12	6	4	3									
Model	Color Temp.	Lens	Beam Mult.	Effective lm	CD	Value	3	6	9	12	15	18	24	30	36	42	64	88	112	136	200	250		



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How to Read the Illumination Values	
Foot Candles (ft)	For a quick overview, the illumination values in the tables are color coded. There are many factors that determine the visibility of a projection, such as ambient light, color and reflectiveness of the projection surface, competing light, gobo colors, projector color temperature, and other factors. Therefore our recommendations should only be used as guidelines and we cannot guarantee a successful application. If you are unsure, please call us to discuss.
Projection Size Calculation	For the resulting Projection Size at any given Distance, Multiply the number in the "Beam Mult." column with your Projection Distance. Projection Size = Distance x Beam Mult. For the Distance needed to achieve a desired Projection Size, Divide the Projection size by the Beam Multiplier. Distance = Projection Size / Beam Mult.
300+	Extreme brightness for extremely bright environments, i.e. bright areas, additionally flooded with daylight, such as Lobby-, Retail-, Trade Show-, Environment. Outdoors (shady, no direct sunlight). Color gobos project in vibrant colors.
45-300	Very high brightness for very bright environments, such as Office-, Lobby-, Retail-, Trade Show-, Environment. Color gobos project in vibrant colors. Outdoors well visible at night with vibrant colors.
15-45	Sufficient brightness for regular environments, such as Bars, Clubs, and intimate Restaurants, Theaters, and dimmed Conference rooms. Outdoors well visible at night. Color gobos should preferably be used with lighter colors and the projection surface should be light and somewhat reflective.
15-3	Only advisable for dark environments and subtle projection of light colored artwork, preferably on light, reflective projection surface. If all conditions are met, the max. listed image distance/size can be doubled in most cases.

Metric Conversions: For Meters multiply feet by .3048. For Lux multiply footcandles by 10.76