

ECO Lines F150RGY Color Changing Line Projector

Projects a thick, permanent floor line that eliminates the need for maintenance required by floor tape and paint lines.

- Switch between Red, Green, Yellow, Color Sequences and Blinking
- Intuitive controls, feature-rich automation options
- 3rd Generation: Crisper, longer lines at increased brightness
- Focusable for optimal line appearance and brightness
- Maintenance free, no fans or motors



SPECIFICATIONS

Item Code:	EL-F150RGY
Power Supply:	100-240/277VAC, 50/60Hz (Voltage Range: 90-305VAC, 48-63Hz; 127-431VDC)
Power Draw:	140W, 1.6A/115V, 0.7A/277V
Driver:	MOSO X6-150M041 (integrated)
Inrush Current:	COLD START 75A (t width=570µs at 50% I peak) at 230VAC per NEMA 410
Breakers:	We recommend lighting specific breakers at 70% of specified load
Power Cord:	Length: 4.7' (1.4m), Plug: Standard plug: Nema 5-15 (other plug options available)
Control Input Signals:	Input 1: Dry switch for switching between two pre-set modes Input 2: 0-10V for switching between ten modes

Environmental Rating:	Driver: IP67, Projector: IP65
Safety Standards:	EC: EN IEC 60598-1:2021, N IEC 60598-2-1:2021, Driver: UL E334687
Temperature Range:	-22°F to 122°F (-30°C to 50°C)

LED Life:	35,000h until 30% brightness loss is reached (L70*) (*L70= the time to 30% brightness loss)
Driver Life:	MTBF: 200,000h, lifetime: 100,000h at tc=75°C and 80% load (driver and LED are field serviceable)

Projection Colors:	Red, Green, Yellow, Color Sequences, Blinking
Line Width:	3 to 6" (75 to 150mm)
Projection Lenses:	53° (1:0.93 throw ratio) 73° (1:1.4 throw ratio) 90° (1:1.86 throw ratio)
Focus:	Field adjustable focus, pre-set for 21-33' (6.4-9.5m) projection distance.

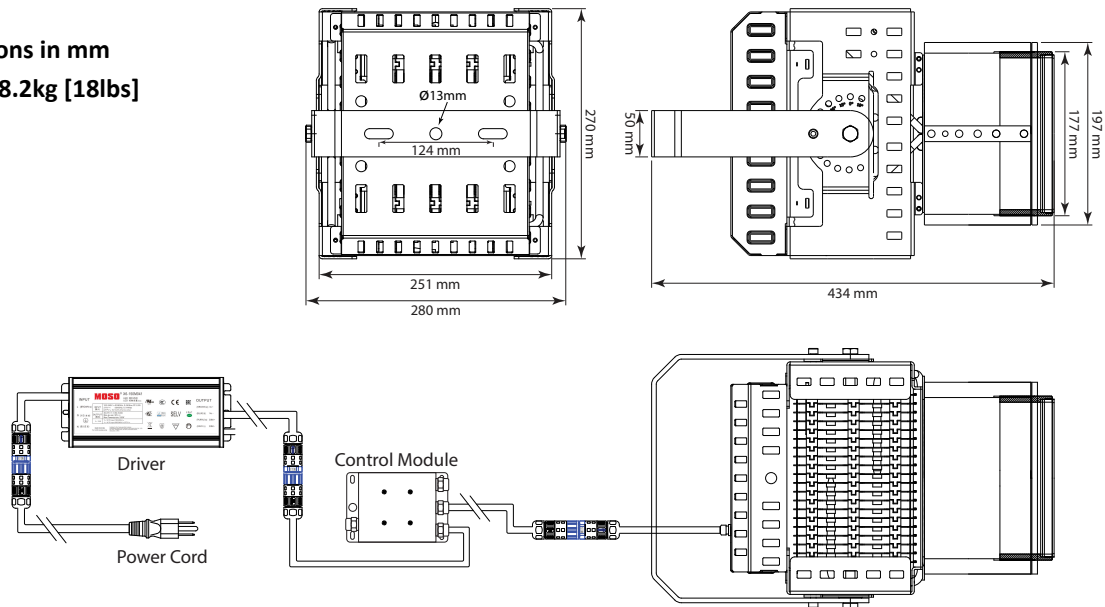
Typ. Projection Range / Size	Bright Environment	Average Env.	Dim Env.
Typ. Usable Line Length:	36-45' (11-14m)	48-56' (15-17m)	80' (24m)
At typ. Distance:	20/27/41' (6/8/13m)	26/34/52' (7.5/10/15m)	43/65/86' (12/16/24m)
Line Length Adjustment:	Yes, with optional blinders (the min. length is approx. 30% of the full line length)		

Product Warranty:	Two years from date of purchase
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DIMENSIONS AND WEIGHT

Dimensions in mm

Weight: 8.2kg [18lbs]



PHOTOMETRICS (see our website for metric version and details)

ECO Lines™ Photometrics (Imperial values)																										
Model	Lens	Beam Mult.	Effective Im	Efficiency lm/W	CD	Value	PROJECTION DISTANCE IN FEET (ft)																			
							9	12	15	18	24	30	36	42	48	54	60	65	70	75	80	85	90	95	100	
ECO Lines F150 Green	25°	0.48	46442	581	515,356	Length (ft) Brightn.(fc)	4.3 6362	5.8 3579	7.2 2290	8.6 1591	11.5 895	14.4 573	17.3 398	20 292	23 224	26 177	29 143	31 122	34 105	36 92	38 81	41 71	43 64	46 57	48 52	
	53°	0.90	20235	253	198,900	Length (ft) Brightn.(fc)	8.1 2456	10.8 1381	13.5 884	16.2 614	21.6 345	27.0 221	32.4 153	38 113	43 86	49 68	54 55	59 47	63 41	68 35	72 31	77 28	81 27	86 25	90 22	
	73°	1.40	33011	413	134,100	Length (ft) Brightn.(fc)	12.6 1656	16.8 931	21.0 596	25.2 414	33.6 233	42.0 149	50.4 103	58.8 76	67.2 58	75.6 46	84.0 37	91.0 32	98.0 27	105.0 24	112.0 21	119.0 19	126.0 17	133.0 15	140.0 13	
	90°	1.90	60801	760	134,100	Length (ft) Brightn.(fc)	17.1 1656	22.8 931	28.5 596	34.2 414	46 233	57 149	68 103	80 76	91 58	103 46	114 37	124 32	133 27	143 24	152 21	162 19	171 17	181 15	190 13	
	ECO Lines F150 Yellow	25°	0.48	25638	320	284,495	Length (ft) Brightn.(fc)	4.3 3512	5.8 1976	7.2 1264	8.6 878	11.5 494	14.4 316	17.3 220	20 161	23 123	26 98	29 79	31 67	34 58	36 51	38 44	41 39	43 35	46 32	48 28
53°		0.90	11170	74	109,800	Length (ft) Brightn.(fc)	8.1 1356	10.8 763	13.5 488	16.2 339	21.6 191	27.0 122	32.4 85	38 62	43 48	49 38	54 31	59 26	63 22	68 20	72 17	77 15	81 14	86 12	90 11	
73°		1.40	19940	133	81,000	Length (ft) Brightn.(fc)	12.6 1000	16.8 563	21.0 360	25.2 250	33.6 141	42.0 90	50.4 63	58.8 46	67.2 35	75.6 28	84.0 23	91.0 19	98.0 17	105.0 14	112.0 13	119.0 11	126.0 10	133.0 9	140.0 8	
90°		1.90	31013	207	68,400	Length (ft) Brightn.(fc)	17.1 844	22.8 475	28.5 304	34.2 211	46 119	57 76	68 53	80 39	91 30	103 23	114 19	124 16	133 14	143 12	152 11	162 9	171 8	181 7	190 6	
ECO Lines F150 Red		25°	0.48	25638	320	284,495	Length (ft) Brightn.(fc)	4.3 3512	5.8 1976	7.2 1264	8.6 878	11.5 494	14.4 316	17.3 220	20 161	23 123	26 98	29 79	31 67	34 58	36 51	38 44	41 39	43 35	46 32	48 28
	53°	0.90	11170	140	109,800	Length (ft) Brightn.(fc)	8.1 1356	10.8 763	13.5 488	16.2 339	21.6 191	27.0 122	32.4 85	38 62	43 48	49 38	54 31	59 26	63 22	68 20	72 17	77 15	81 14	86 12	90 11	
	73°	1.40	21269	266	86,400	Length (ft) Brightn.(fc)	12.6 1067	16.8 600	21.0 384	25.2 267	33.6 150	42.0 96	50.4 67	58.8 49	67.2 38	75.6 30	84.0 24	91.0 20	98.0 18	105.0 15	112.0 14	119.0 12	126.0 11	133.0 10	140.0 9	
	90°	1.90	33053	413	72,900	Length (ft) Brightn.(fc)	17.1 900	22.8 506	28.5 324	34.2 225	46 127	57 81	68 56	80 41	91 32	103 25	114 20	124 17	133 15	143 13	152 11	162 10	171 9	181 8	190 7	
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How to Read the Illumination Values																										
700+	Extreme brightness for extremely bright environments, extremely bright production environments (no direct sunlight).																									
180-700	Very high brightness for very bright environments, such as very bright production floor.																									
90-180	The most common brightness bracket for regular production floors and modern warehouses.																									
60-90	Sufficient brightness for bright and medium bright warehouses.																									
40-60	Sufficient brightness for dim facilities.																									