



ECO Lines F150RGY

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: 8.5' (2.6m), 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.

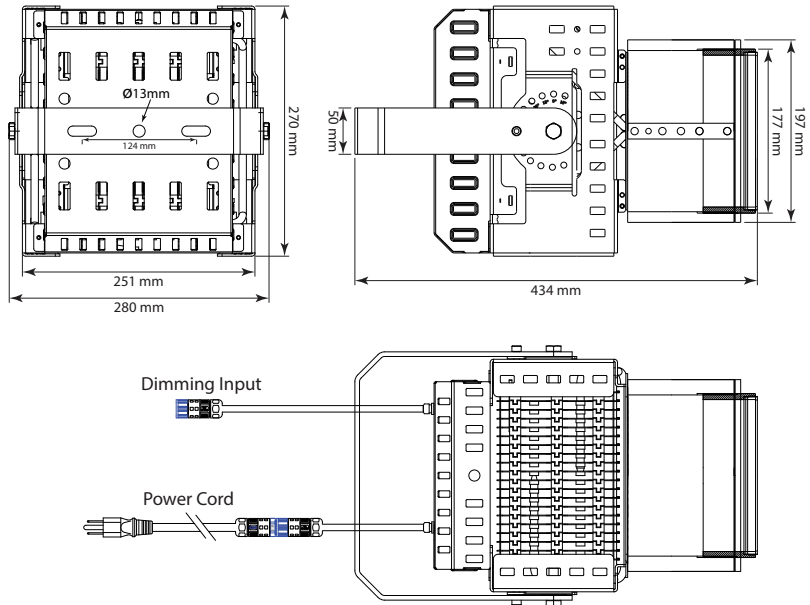
Typ. Projection Range / Size	Bright Environment	Average Env.	Dim Env.
Typ. Usable Line Length:	36-45' (11-14m)	48-56' (15-17m)	80' (24m)
At typ. Distance:	20/27/41' (6/8/13m)	26/34/52' (7.5/10/15m)	43/65/86' (12/16/24m)
Line Length Adjustment:	Yes, with optional blinders (the min. length is approx. 30% 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)						PROJECTION DISTANCE IN FEET (ft)																			
Model	Lens	Beam Mult.	Effective lm	Efficiency lm/W	CD	Value	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)	4.3	5.8	7.2	8.6	11.5	14.4	17.3	20	23	26	29	31	34	36	38	41	43	46	48
						Brightn. (fc)	6362	3579	2290	1591	895	573	398	292	224	177	143	122	105	92	81	71	64	57	52
	53°	0.90	20235	253	198,900	Length (ft)	8.1	10.8	13.5	16.2	21.6	27.0	32.4	38	43	49	54	59	63	68	72	77	81	86	90
						Brightn. (fc)	2456	1381	884	614	345	221	153	113	86	68	55	47	41	35	31	28	25	22	20
	73°	1.40	33011	413	134,100	Length (ft)	12.6	16.8	21.0	25.2	33.6	42.0	50.4	58.8	67.2	75.6	84.0	91.0	98.0	105.0	112.0	119.0	126.0	133.0	140.0
						Brightn. (fc)	1656	911	596	414	233	149	103	76	58	46	37	32	27	24	21	19	17	15	13
	90°	1.90	60801	760	134,100	Length (ft)	17.1	22.8	28.5	34.2	46	57	68	80	91	103	114	124	133	143	152	162	171	181	190
						Brightn. (fc)	1656	911	596	414	233	149	103	76	58	46	37	32	27	24	21	19	17	15	13
ECO Lines F150 Yellow	25°	0.48	25638	320	284,495	Length (ft)	4.3	5.8	7.2	8.6	11.5	14.4	17.3	20	23	26	29	31	34	36	38	41	43	46	48
						Brightn. (fc)	3512	1976	1264	878	494	316	220	161	123	98	79	67	58	51	44	39	35	32	28
	53°	0.90	11170	74	109,800	Length (ft)	8.1	10.8	13.5	16.2	21.6	27.0	32.4	38	43	49	54	59	63	68	72	77	81	86	90
						Brightn. (fc)	1356	763	488	339	191	122	85	62	48	38	31	26	22	20	17	15	14	12	11
	73°	1.40	19940	133	81,000	Length (ft)	12.6	16.8	21.0	25.2	33.6	42.0	50.4	58.8	67.2	75.6	84.0	91.0	98.0	105.0	112.0	119.0	126.0	133.0	140.0
						Brightn. (fc)	1000	563	360	250	141	90	63	46	35	28	23	19	17	14	13	11	10	9	8
	90°	1.90	31013	207	68,400	Length (ft)	17.1	22.8	28.5	34.2	46	57	68	80	91	103	114	124	133	143	152	162	171	181	190
						Brightn. (fc)	844	475	304	211	119	76	53	39	30	23	19	16	14	12	11	9	8	7	7
ECO Lines F150 Red	25°	0.48	25638	320	284,495	Length (ft)	4.3	5.8	7.2	8.6	11.5	14.4	17.3	20	23	26	29	31	34	36	38	41	43	46	48
						Brightn. (fc)	3512	1976	1264	878	494	316	220	161	123	98	79	67	58	51	44	39	35	32	28
	53°	0.90	11170	140	109,800	Length (ft)	8.1	10.8	13.5	16.2	21.6	27.0	32.4	38	43	49	54	59	63	68	72	77	81	86	90
						Brightn. (fc)	1356	763	488	339	191	122	85	62	48	38	31	26	22	20	17	15	14	12	11
	73°	1.40	21289	266	86,400	Length (ft)	12.6	16.8	21.0	25.2	33.6	42.0	50.4	58.8	67.2	75.6	84.0	91.0	98.0	105.0	112.0	119.0	126.0	133.0	140.0
						Brightn. (fc)	1067	600	384	267	150	96	67	49	38	30	24	20	18	15	14	12	11	10	9
	90°	1.90	33053	413	72,900	Length (ft)	17.1	22.8	28.5	34.2	46	57	68	80	91	103	114	124	133	143	152	162	171	181	190
						Brightn. (fc)	900	506	324	225	127	81	56	41	32	25	20	17	15	13	11	10	9	8	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.