

ECO Lines F150 High Power LED Line Projector

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

- 3rd Generation: Crisper, longer lines at increased brightness
- Designed for Rugged Environments and long service life
- Focusable for optimal line appearance and brightness
- Maintenance free, no fans or motors
- Adjustable line length option



SPECIFICATIONS

Item Codes:	EL-F150Y (yellow), EL-F150A (amber), EL-F150G (green), EL-F150B (blue), EL-F150R (red), EL-F150W (white)
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:	On/Off or Dimming: 1-10V, 10-100KOhm, PWM, Dry Switch

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 113°F (-30°C to 45°C)

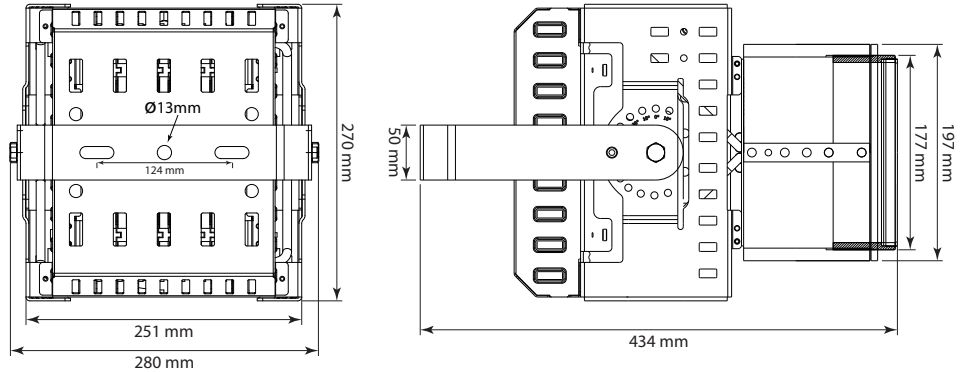
LED Life:	35,000h until 30% brightness loss is reached (L70*) (*L70= the time to 30% brightness loss)
Driver Life:	MTBF: 200,000h, lifetime: 100,000h at tc=75°C and 80% load (driver and LED are field serviceable)

Projection Colors:	Yellow, Green, Red, Blue, Amber, White (colors are changeable by swapping the LED)		
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)

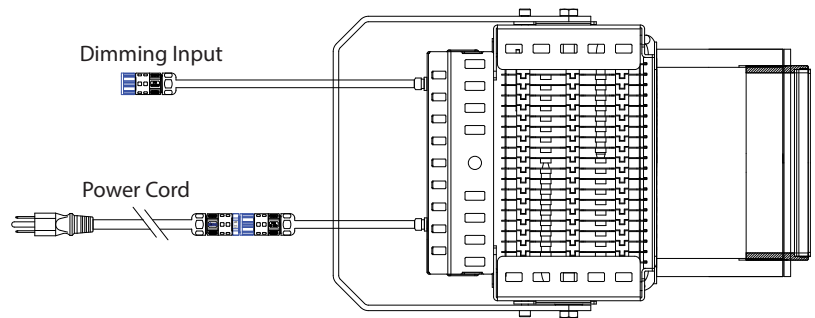
Typ. Projection Range / Size	Bright Environment	Average Env.	Dim Env.
Typ. Usable Line Length:	36-45' (11-14m)	48-56' (15-17m)	80' (24m)
At typ. Distance:	20/27/41' (6/8/13m)	26/34/52' (7.5/10/15m)	43/65/86' (12/16/24m)
Line Length Adjustment:	Yes, with optional blinders (the min. length is approx. 30%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

Product Warranty: Two years from date of purchase

DIMENSIONS AND WEIGHT



Dimensions in mm
Weight: 8.2kg [18lbs]



PHOTOMETRICS

ECO Lines™ Photometrics (Imperial values)															
Model	Lens	Beam Mult.	Value	PROJECTION DISTANCE IN FEET (ft)											
				9	12	15	20	24	30	36	39	46	52	60	66
ECO Lines F150 Green	53°	0.93	Length (ft)	8.4	11.2	14.0	18.6	22.3	27.9	33.5	36	43	48	56	61
			Brightn.(fc)	2456	1381	884	497	345	221	153	131	94	74	55	46
	73°	1.40	Length (ft)	12.6	16.8	21.0	28.0	33.6	42.0	50.4	54.6	64.4	72.8	84.0	92.4
			Brightn.(fc)	1967	1106	708	398	277	177	123	105	75	59	44	37
	90°	1.86	Length (ft)	16.7	22.3	27.9	37.2	45	56	67	73	86	97	112	123
			Brightn.(fc)	1656	931	596	335	233	149	103	88	63	50	37	31
ECO Lines F150 Yellow	53°	0.93	Length (ft)	8.4	11.2	14.0	18.6	22.3	27.9	33.5	36	43	48	56	61
			Brightn.(fc)	2122	1194	764	430	298	191	133	113	81	64	48	39
	73°	1.40	Length (ft)	12.6	16.8	21.0	28.0	33.6	42.0	50.4	54.6	64.4	72.8	84.0	92.4
			Brightn.(fc)	1667	938	600	338	234	150	104	89	64	50	38	31
	90°	1.86	Length (ft)	16.7	22.3	27.9	37.2	45	56	67	73	86	97	112	123
			Brightn.(fc)	1433	806	516	290	202	129	90	76	55	43	32	27
ECO Lines F150 Amber	53°	0.93	Length (ft)	8.4	11.2	14.0	18.6	22.3	27.9	33.5	36	43	48	56	61
			Brightn.(fc)	1356	763	488	275	191	122	85	72	52	41	31	25
	73°	1.40	Length (ft)	12.6	16.8	21.0	28.0	33.6	42.0	50.4	54.6	64.4	72.8	84.0	92.4
			Brightn.(fc)	1000	563	360	203	141	90	63	53	38	30	23	19
	90°	1.86	Length (ft)	16.7	22.3	27.9	37.2	45	56	67	73	86	97	112	123
			Brightn.(fc)	844	475	304	171	119	76	53	45	32	25	19	16

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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 warehouses and facilities.

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