

## 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)

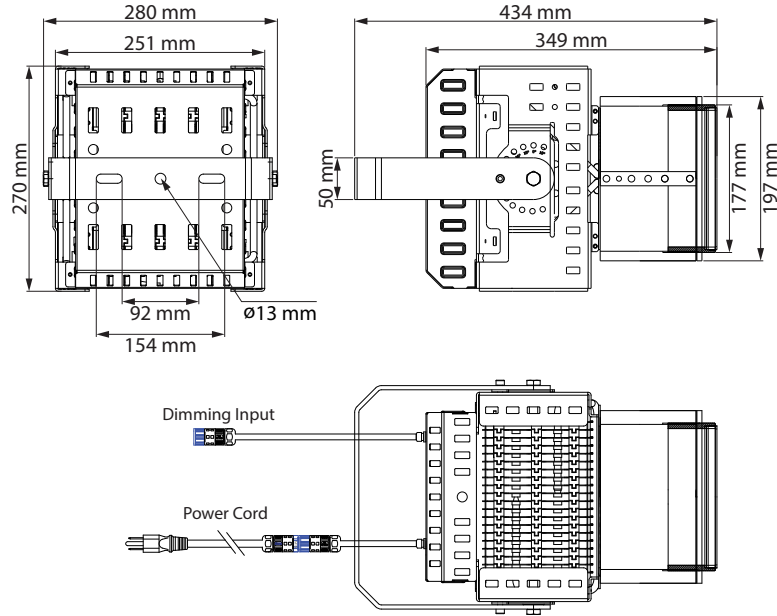
Projection Colors:	Yellow, Green, Red, Blue, Amber, White (colors are changeable by swapping the LED)		
Line Width:	3 to 6" (75 to 150mm)		
Projection Lenses:	53° (1:0.93 throw ratio)	73° (1:1.4 throw ratio)	90° (1:1.86 throw ratio)
Focus:	Field adjustable focus, pre-set for 21-33' (6.4-9.5m) projection 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

## 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.	Value	PROJECTION DISTANCE IN FEET (ft)											
				9	12	15	20	24	30	36	39	46	52	60	66
ECO Lines F150 Green	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			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)	1656	931	596	335	233	149	103	88	63	50	37	31
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	1656	931	596	335	233	149	103	88	63	50	37	31
ECO Lines F150 Yellow	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			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°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	1433	806	516	290	202	129	90	76	55	43	32	27
ECO Lines F150 Amber	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			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°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	844	475	304	171	119	76	53	45	32	25	19	16
ECO Lines F150 Red	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			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)	1067	600	384	216	150	96	67	57	41	32	24	20
	90°	1.80	Length (ft)	16.2	21.6	27.0	36.0	43	54	65	70	83	94	108	119
			Brightn.(fc)	900	506	324	182	127	81	56	48	34	27	20	17
ECO Lines F150 Blue	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			Brightn.(fc)	3444	1938	1240	698	484	310	215	183	132	103	78	64
	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)	2889	1625	1040	585	406	260	181	154	111	87	65	54
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	2222	1250	800	450	313	200	139	118	85	67	50	41
ECO Lines F150 White	53°	0.90	Length (ft)	8.1	10.8	13.5	18.0	21.6	27.0	32.4	35	41	47	54	59
			Brightn.(fc)	3444	1938	1240	698	484	310	215	183	132	103	78	64
	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)	3111	1750	1120	630	438	280	194	166	119	93	70	58
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	2333	1313	840	473	328	210	146	124	89	70	53	43

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How to Read the Illumination Values	700+	180-700	90-180	60-90	40-60
Lighting environment description	Extreme bright	Very bright	Standard	Moderate	Dim