



ECO Lines F80

ECO Lines F80 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: 8.75' (2.65m), Power Plug: Nema 5-15 (other plug options, such as L7-15P 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)

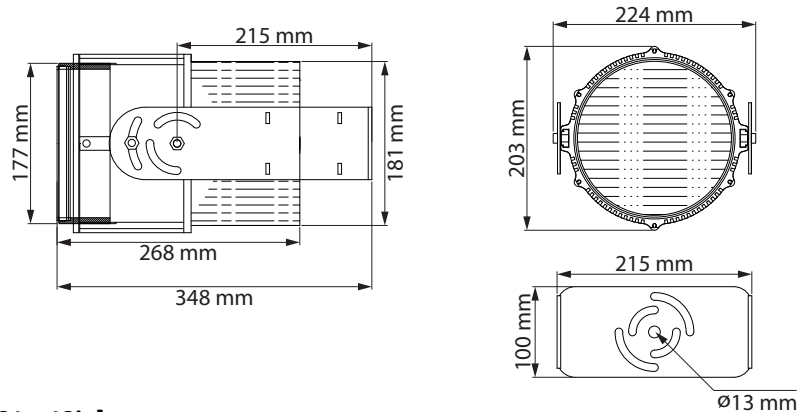
LED Life:	35,000h until 30% brightness loss is reached (L70*) (*L70= the time to 30% brightness loss)
Driver Life:	MTBF: 200,000h, lifetime: 100,000h at tc=75°C and 80% load (driver and LED are field serviceable)

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
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DIMENSIONS AND WEIGHT

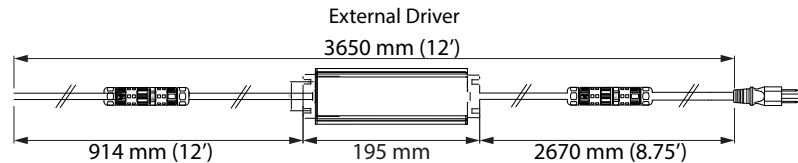


Dimensions in mm

Weight incl. Driver: 5.9kg [13lbs]

Master Carton (2 pcs): 58 x 54 x 30cm [23 x 21 x 12in]

Master Carton Dim Weight: 15.7kg



PHOTOMETRICS (see our website for metric version and details)

E C O 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 F80 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)	1911	1075	688	387	269	172	119	102	73	57	43	36
	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)	1500	844	540	304	211	135	94	80	57	45	34	28
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	1300	731	468	263	183	117	81	69	50	39	29	24
ECO Lines F80 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)	1511	850	544	306	213	136	94	80	58	45	34	28
	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)	1167	656	420	236	164	105	73	62	45	35	26	22
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	1056	594	380	214	148	95	66	56	40	32	24	20
ECO Lines F80 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)	1000	563	360	203	141	90	63	53	38	30	23	19
	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)	811	456	292	164	114	73	51	43	31	24	18	15
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	700	394	252	142	98	63	44	37	27	21	16	13
ECO Lines F80 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)	1267	713	456	257	178	114	79	67	48	38	29	24
	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)	1011	569	364	205	142	91	63	54	39	30	23	19
	90°	1.80	Length (ft)	16.2	21.6	27.0	36.0	43	54	65	70	83	94	108	119
			Brightn.(fc)	889	500	320	180	125	80	56	47	34	27	20	17
ECO Lines F80 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)	2233	1256	804	452	314	201	140	119	85	67	50	42
	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)	1856	1044	668	376	261	167	116	99	71	56	42	35
	90°	1.90	Length (ft)	17.1	22.8	28.5	38.0	46	57	68	74	87	99	114	125
			Brightn.(fc)	1511	850	544	306	213	136	94	80	58	45	34	28
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How to Read the Illumination Values						700+		180-700		90-180		60-90		40-60	
Lighting enviroment description						Extreme bright		Very bright		Standard		Moderate		Dim	