

Features

- Dimmable
- Flicker-Free
- In-line Connection
- Long Life
- Instant On
- RoHS Compliant
- Lead Free
- Mercury Free
- No UV

ECOSENSE™



EcoSpec™ Linear HP EXT

EcoSense™ EcoSpec™ Linear HP EXT is an ultra-bright exterior linear white light fixture. Brighter than fluorescent tubes, these flicker-free dimmable fixtures offer an earth-friendly, mercury free cove solution.

Leveraging years of lighting experience, this robust aluminum frame fixture features powerful, energy efficient LEDs and precision constant current circuits for long-life applications.

With smart power technology, EcoSpec™ Linear HP EXT connects directly to AC power; simplifying installation and minimizing costs. These long-life fixtures quickly pay for themselves in energy savings and maintenance costs, providing substantial savings over the 50,000 hour life of the lamp.

Specifications

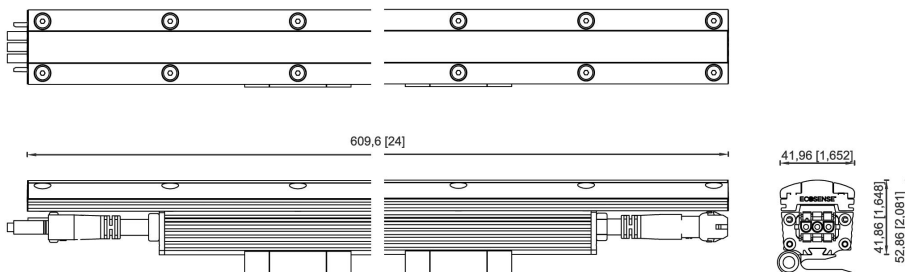
Lumen Output	
Warm White	570 lm/LF : 1140 (2') / 1710 (3') / 2280 (4')
Neutral White	655 lm/LF : 1310 (2') / 1965 (3') / 2620 (4')
Color Temperature	
Warm White	2700K
Warm White	3000K
Neutral White	4000K
Color Rendering Index	
Warm White	80
Neutral White	80
Rated Life	50,000 hours
Beam Angle	60°X 60°, 120°X 120°
Power Consumption	12.5 W/LF - 25W(2ft) / 37.5W(3ft) / 50W(4ft)
Maximum Fixture Run Length	60' @ 120VAC / 100' @ 220VAC
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Operating Voltage	100-120VAC, 220-240VAC, 50-60Hz
Housing	Aluminum; Clear Polycarbonate Diffuser
Rating	IP66
Weight	6 oz/175g (1ft) 1.5 lbs./0.7kg (4ft) approx.
Dimensions	W 1.65" x H 1.64" x L 24"/36"/48" (42 mm x 41 mm x 609 mm/914 mm/1,219 mm)

Certifications (Pending)



Restriction of Hazardous Substances Directive (RoHS) implements EU Directive 2002/95 which band placing electrical and hazardous equipment that contains more than agreed levels of hazardous substances on the EU market. For a list of these substances visit www.rohs.gov.uk.

Dimensions



EcoSense Lighting Inc.

159 Rivington Street
New York, NY 10002-2434

www.ecosenselighting.com

Phone 212-228-8118
Fax 212-228-9113
Toll Free 888.632.6736
888.6.ECOSEN



www.ecosenselighting.com

DATE:

TYPE:

PROJECT:

FIRM :

EcoSpec™

Linear HP EXT

DATE: _____ TYPE: _____
 PROJECT: _____
 FIRM : _____

Ordering Information

Choose the option that best suits your needs and write its corresponding code on the appropriate line to form the product code.

MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
ES09-LC	24 - 2'-0" 36 - 3'-0" 48 - 4'-0"	27 - 2700K 30 - 3000K 40 - 4000K	120 - 100-120VAC 220 - 220-240VAC	60 - 60° x 60° 120 - 120° x 120°

** Order mounting and wiring accessories as separate catalogue numbers available on the **EcoSense Accessory** cut sheet.

EXAMPLE: ES09-LC-36-40-220-120

Photometry Characteristics

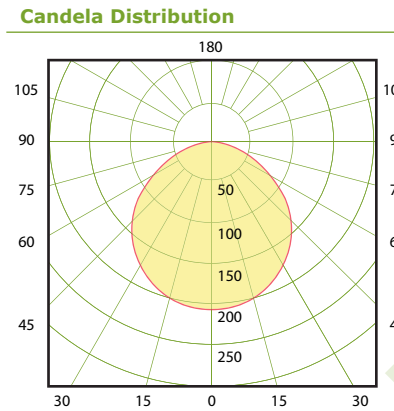
Characteristics	
Total Rated Fixture Lumens	570
Total Luminaire Efficiency	100%
IES NEMA Type	7H x 7V
Total Input Watts	12
Horizontal Beam Angle (50%)	112.0
Vertical Beam Angle (50%)	110.6
Horizontal Field Angle (10%)	149.8
Vertical Field Angle (10%)	155.7

Luminance Data (cd/sq. m)			
Angle In Degrees	Average 0°	Average 45°	Average 90°
0	27578	27527	27729
45	26477	27050	27408
55	24614	26025	25496
65	21193	22270	19876
75	14859	11730	10362
85	4063	2903	2903

Photometrics by an independent lab in accordance with current IES published Procedures.

IES data is available at www.ecosenselighting.com

Fixture: ES09-LC-(1'-0" Unit)-XX-VOLT-120



Coefficients of Utilization																					
RC	80				70				50				30				10				0
	RW	70	50	30	10	RW	70	50	30	10	RW	70	50	30	10	RW	70	50	30	10	0
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.10	1.05	1.01	.98	1.07	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.88	.85			
2	1.00	.92	.86	.80	.97	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72			
3	.91	.81	.73	.67	.89	.80	.72	.67	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61			
4	.84	.72	.64	.57	.81	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52			
5	.77	.64	.56	.49	.75	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45			
6	.71	.58	.49	.43	.69	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.39			
7	.66	.53	.44	.38	.64	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35			
8	.61	.48	.40	.34	.60	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31			
9	.57	.44	.36	.30	.56	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28			
10	.54	.41	.33	.27	.52	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25			

Accessories

Also found on the EcoSense Wiring and Mounting Accessory cut sheet.

Leader Cable 10'-0" (UL)	ES04-A-CBL-UL-10	Leader Cable 10'-0" (CE)	ES04-A-CBL-CE-10
Jumper Cable 1'-0" (UL)	ES04-A-JMP-UL-1	Jumper Cable 1'-0" (CE)	ES04-A-JMP-CE-1
Jumper Cable 5'-0" (UL)	ES04-A-JMP-UL-5	Jumper Cable 5'-0" (CE)	ES04-A-JMP-CE-5