DATE:	TYPE:
PROJECT:	
FIRM :	

Features

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

EcoSpec®
Linear HP INT

EcoSense® EcoSpec® Linear HP INT is an ultra-bright indoor linear white light fixture. Brighter than fluorescent tubes, these flicker-free dimmable with ELV dimmers 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 INT 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 lumen maintenance.

Specifications

Color Temperature 2700K 3000K 4000K	**Lumen Output** (120° x 120°) 621 lm/LF : 621 (1') / 2484 (4') 665 lm/LF : 665 (1') / 2660 (4') 761 lm/LF : 761 (1') / 3044 (4')
Color Rendering Index	80
Lumen Maintenance*	L_{70} 50,000 hours@25°C
Beam Angle	120° x 120°, 60° x 120°
Power Consumption (Max)	120VAC - 13.7W (1ft) / 55W (4ft) 220VAC - 14W (1ft) / 56W (4ft) 277VAC - 13W (1ft) / 52W (4ft)
Efficacy (lm/W)	120VAC - 45.3 @ 2700K / 48.5 @ 3000K / 55.5 @ 4000K 220VAC - 44.3 @ 2700K / 47.5 @ 3000K / 54.4 @ 4000K 277VAC - 47.7 @ 2700K / 51.1 @ 3000K / 58.5 @ 4000K
Maximum Fixture Run Length	45' (15m) @120VAC / 100' (30m) @220VAC / 100' (30m) @277VAC
Operating Temperature	14°F to 104°F (-10°C to 40°C)
Operating Voltage	100-120VAC, 220-240VAC, 277VAC, 50-60Hz
Dimming	120VAC / 220VAC - ELV type, Reverse Phase, Trailing Edge Dimming 277VAC - Non-Dim Only
Housing	Aluminum; Clear Polycarbonate Lens
Fixture Connectors	Integral male / female 3-pin connectors
Fixture Rating	CE Certified - IP40 UL Certified for Damp Locations
Warranty	5 Years
Weight	0.99 lbs / 0.45 kg (1ft) 3.75 lbs / 1.7 kg (4ft)
Dimensions	W 1.4" x H 1.5" x L 12"/48" (35.3 mm x 39 mm x 304.8 mm/1,219 mm)
Certifications	c UL us LISTED, CE, ENEC 05, RoHS COMPLIANT

Restriction of Hazardous Substances Directive (RoHS) implements EU Directive 2002/95 which bans 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.

*Calculations for LED fixtures are based on measurements that comply with IES LM-80 testing procedures and IES TM-21 Calculator.

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5th Floor
New York, NY 10004

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Fax 212-228-9113
Toll Free 855.632.6736
855.6.ECOSEN

(V. 07.31-2013)

DATE:	TYPE:
PROJECT:	
FIRM :	

EcoSpec®
Linear HP INT

Ordering Information

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

05LC – ____ – ____ – ____ – ____

MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
05LC	**12** - 1’-0”	**27** - 2700K	**120** - 100-120VAC	**120** - 120° x 120°
	48 - 4’-0”	**30** - 3000K	**220** - 220-240VAC	**60** - 60° x 120°
		35 - 3500K*	**277** - 277VAC**	
		40 - 4000K		

Order accessories as separate catalogue numbers from the **Accessories** section below.

EXAMPLE: 05LC-12-27-120-120

* 3500K not available in CE (220-240VAC), consult EcoSense Sales Representative for information.

Accessories

Wiring

Leader Cable 10’-0” (UL)*	**INT-A-CBL-120-10**	Leader Cable 10’-0” (CE)*	**INT-A-CBL-220-10**
Jumper Cable 1’-0” (UL)	**INT-A-JMP-120-1**	Jumper Cable 1’-0” (CE)	**INT-A-JMP-220-1**
Jumper Cable 5’-0” (UL)	**INT-A-JMP-120-5**	Jumper Cable 5’-0” (CE)	**INT-A-JMP-220-5**
Jumper Cable 4” (UL)	**INT-A-JMP-120-4**	Jumper Cable 4” (CE)	**INT-A-JMP-220-4**

* One (1) terminator is included standard with each Leader Cable
** The 120VAC (UL) Accessory Cable are also rated for 277VAC use

Mounting

Mounting Track (4’-0” Length)	**04-A-MNT-TRK-4**	
Fixed Mounting Clips - Fit Mounting Track	**05-A-MNT-STA**	(Included with each product length.)
Adjustable Hinged Bracket	**05-A-MNT-ADJ**	
Flat Mounting Plate	**05-A-MNT-FLAT**	
180 Degree Bracket	**05-A-MNT-180**	

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EcoSpec®
Linear HP INT

Dimension and Mounting

For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.

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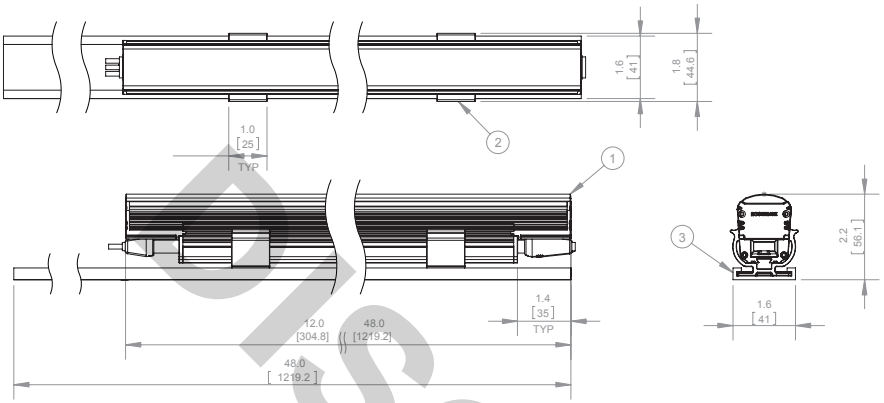
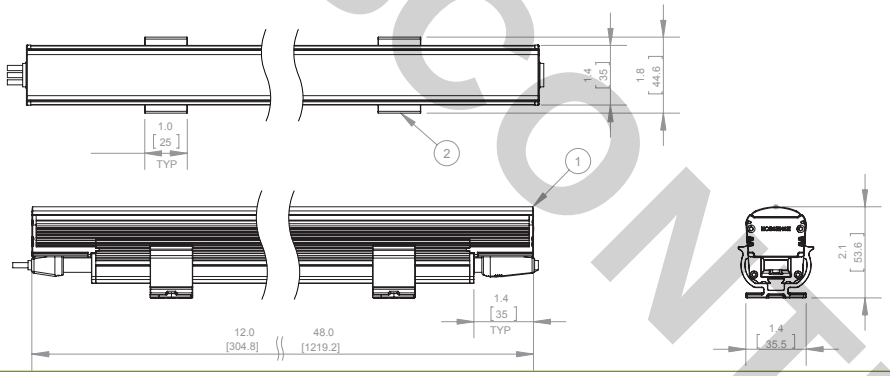


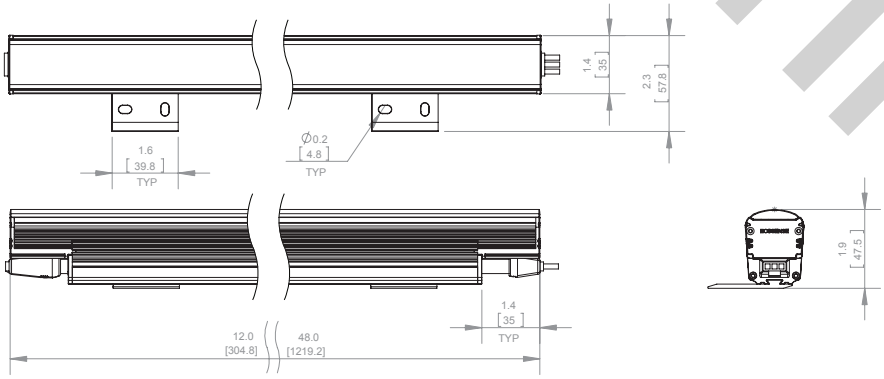
Fixed Clip in Track

05-A-MNT-STA
04-A-MNT-TRK-4



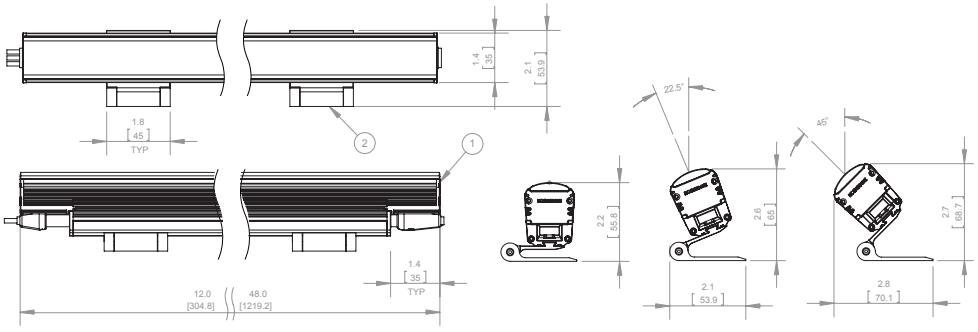
Fixed Clip - Direct Mount

05-A-MNT-STA



Flat Mounting Plate – Direct Mount

05-A-MNT-FLAT



Adjustable Clip – Direct Mount

05-A-MNT-ADJ

DIMENSION IN
INCHES / [MM]

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Linear HP INT

Dimension and Mounting

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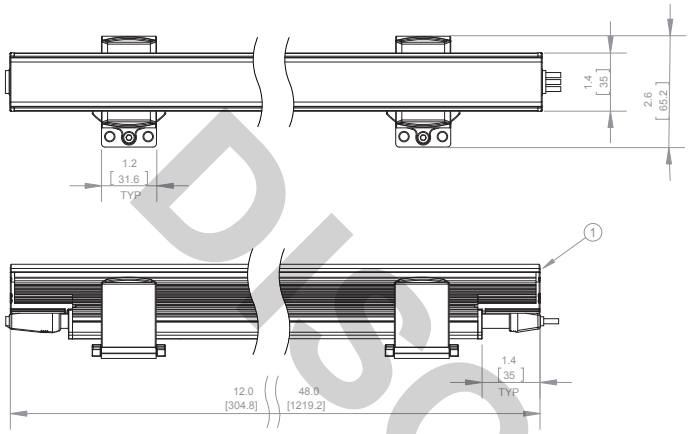
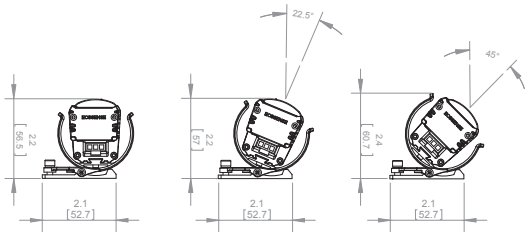


180 Degree Clip

05-A-MNT-180



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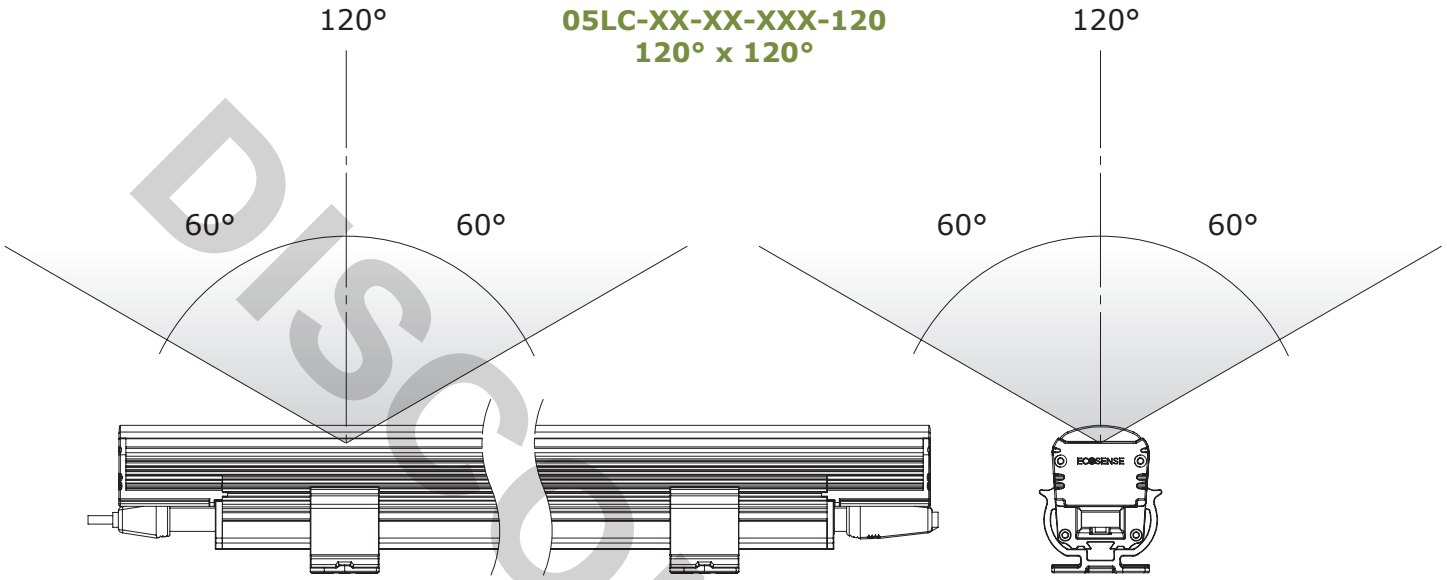
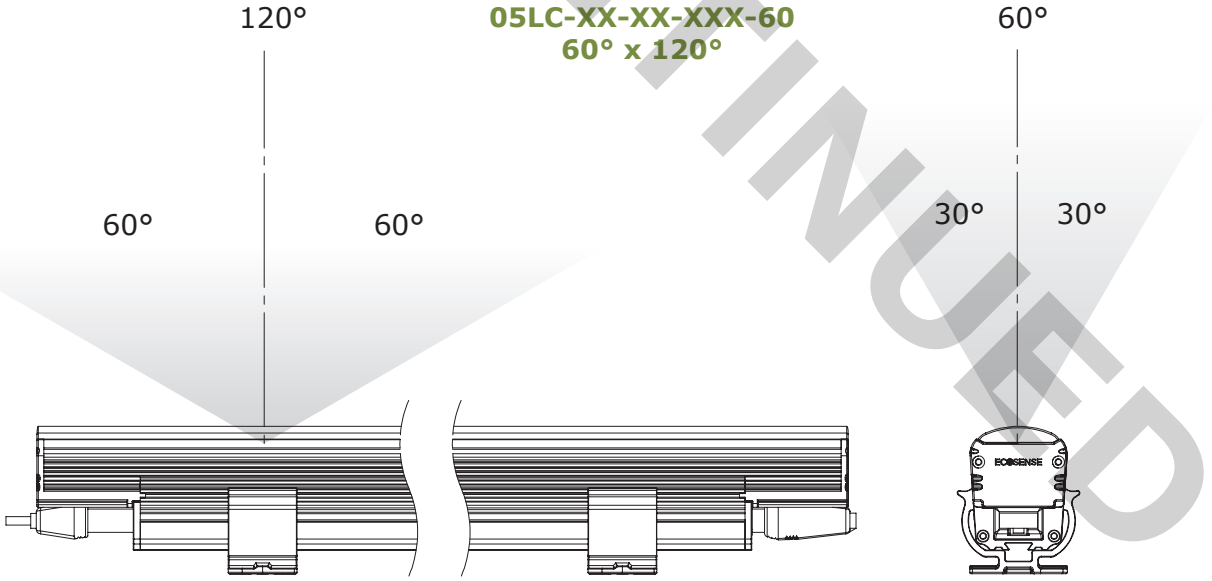
Fixture Distribution



05LC-XX-XX-XXX-120
120° x 120°



05LC-XX-XX-XXX-60
60° x 120°

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DATE:	TYPE:
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Linear HP INT

Photometry Characteristics

Characteristics

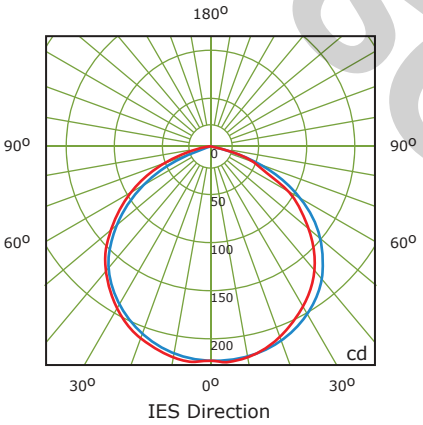
Total Rated Fixture Lumens	621
Total Luminaire Efficiency	100%
Total Input Watts	11.8W
Horizontal Beam Angle (50%)	112
Vertical Beam Angle (50%)	111.8
Horizontal Field Angle (10%)	148.9
Vertical Field Angle (10%)	153.7

Luminance Data (cd/sq. m)

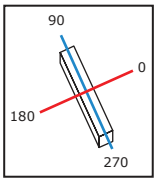
Angle In Degrees	Average 0°	Average 45°	Average 90°
0	24764	24764	24764
45	19400	20146	23424
55	16057	17715	21784
65	9804	12554	15726
75	1278	4589	10903
85	504	596	2697

Fixture: 05LC-12-27-120-120

Candela Distribution



IES Direction



Coefficients of Utilization

RC	80			70			50			30			10			0
RW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0.00
0	1.19	1.19	1.19	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	1.05	1.01	0.98	1.03	0.99	0.96	0.99	0.96	0.93	0.95	0.92	0.90	0.91	0.89	0.87	0.85
2	0.92	0.86	0.80	0.90	0.84	0.79	0.87	0.82	0.77	0.83	0.79	0.76	0.80	0.77	0.74	0.72
3	0.81	0.73	0.67	0.80	0.72	0.66	0.77	0.70	0.65	0.74	0.68	0.64	0.71	0.67	0.63	0.61
4	0.72	0.63	0.57	0.71	0.63	0.56	0.68	0.61	0.56	0.66	0.60	0.55	0.64	0.58	0.54	0.52
5	0.64	0.55	0.49	0.63	0.55	0.49	0.61	0.54	0.48	0.59	0.53	0.48	0.57	0.52	0.47	0.45
6	0.58	0.49	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.53	0.47	0.42	0.52	0.46	0.41	0.39
7	0.52	0.44	0.38	0.52	0.43	0.38	0.50	0.43	0.37	0.49	0.42	0.37	0.47	0.41	0.37	0.35
8	0.48	0.39	0.34	0.47	0.39	0.33	0.46	0.38	0.33	0.44	0.38	0.33	0.43	0.37	0.33	0.31
9	0.44	0.36	0.30	0.43	0.36	0.30	0.42	0.35	0.30	0.41	0.35	0.30	0.40	0.34	0.30	0.28
10	0.40	0.33	0.27	0.40	0.32	0.27	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.27	0.25

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

Lumen measurements comply with IES LM-79-08.

IES data is available at www.ecosenselighting.com

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