ECOSENSE®

New Linear Series

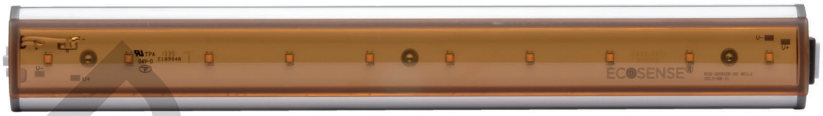
DATE _____ TYPE

PROJ. _____

FIRM _____

EcoSpec® Linear HP INT - Low Power Warm Cove

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP INT Warm Cove - is a high performance luminaire that delivers more lumens for larger cove applications, dome ceilings or retail displays. Warm Cove Series color temperatures of 2300K and 2500K are created using an integral warming lens and are ideal for those spaces where a soft glow and warm atmosphere is desired. Ideal for intimate spaces where a warm color will complement the environment such as hospitality, residential and architectural. Patent-pending dimming technology dims down to 0% output power.

Features:

- **Economical**
- **Simple Installation**
- **In-line Connection**
- **High Efficacy / Low Wattage**
- **Integral Driver / AC Power**
- **Dimmable: ELV (RP), 0-10V**
- **Dimming at 120V, 220V, and 277V**
- **Dimming down to 0%**
- **Long Life (L70)**

PERFORMANCE ADDITIONAL INFORMATION ON NEXT PAGE	**CCT (K)**	**Optic**	**Lumen Output**		**Efficacy (lm/W)**
			12”	**48”**	
	2300K	120°x120°	421 lm/LF	1,684 lm	64.52lm/W
	2500K	120°x120°	484 lm/LF	1,936 lm	73.62lm/W
					* Performance data is from LM-79 and LM-63 testing at typical power input
	Color Rendering Index	70+			
	Color Consistency	2 Step MacAdam Ellipse			
	Lumen Depreciation / Rated Life	L70 >60,000 hours @ 25°C* / L70 50,000 hours @ 50°C*			
		* Calculations for LED fixtures are based on measurements that comply with IES LM-80 testing procedures and IES TM-21 Calculator.			
ELECTRICAL	**Power Consumption**	7W/LF Typical (The Typical input power range allows for a +/-10% variation of all components)			
		8W/LF Maximum (All fixtures are labelled with Maximum wattage)			
	Max Fixture Run Length	50’ (15m) @120VAC; 105’ (32m) @220VAC ; 105’ (32m) @277VAC			
	Power Factor	0.90			
	Operating Voltage	100-120VAC, 220-240VAC, 277VAC, 50/60 Hz (all voltages)			
	Driver	Integral to Fixture; De-rated Power and Synchronous Start-up at Full Brightness			
	Startup Temperature	-4°F to 122°F (-20°C to 50°C)			
	Operating Temperature	-4°F to 122°F (-20°C to 50°C)			
	Storage Temperature	-40°F to 176°F (-40°C to 80°C)			
CONTROL	**Dimming**	100-120VAC ELV type, Reverse Phase, Trailing Edge			
		220-240VAC ELV type, Reverse Phase, Trailing Edge			
		277VAC ELV type, Reverse Phase, Trailing Edge			
		120VAC / 277VAC, 0-10V with Linear Dimming Control Module (LDCM)			
PHYSICAL	**Dimensions**	W 1.6” x H 1.8” x L 12”/48” ; (40.4mm x 45.1mm x 304.8mm/1,219mm)			
	Housing / Lens	Extruded Aluminium; Clear Polycarbonate; Stainless Steel Fasteners			
		Plastic Endcaps with Plastic/Rubber Overmold for Cable Assembly			
	Weight	0.9lbs. / 0.41kg (1ft) ; 3.73lbs. / 1.7kg (4ft) approx			
	Connectors	Integral Male/ Female 3 Pin Connectors on Pigtail Cable Assembly, IP40 Rated			
	Environment	Indoor; CE Certified IP40 / ETL Certified for Dry/Damp Locations			
	Beam Angle	Clear Lens: 120°x 120°, Frosted Lens Accessory Available			
	Mounting Options:	Interior Fixed and Adjustable Hinge Brackets, Snap on Clip and Mounting Track			
FIXTURE RATING & CERTIFICATIONS	**CE, C-Tick Certified, CCC**				
	ETL Certified				
	RoHS Compliant				
LIMITED WARRANTY	**5 Years**				

EcoSense THD/Inrush Current Information: Please contact an EcoSense Lighting sales representative

PRODUCT LIMITED

EcoSense Lighting Inc.
915 Wilshire Boulevard
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Los Angeles, CA 90017

Phone 310-496-6255
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855-6-ECOSEN

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SPEC-HPIL WARM COVE-20140206-V1

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ORDERING

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

HPIS / HPIL	-		-		-		-	

MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
HPIS #	**12** - 12”	**23** - 2300K	**120** - 100-120VAC	**120** - 120° x 120°
HPIL	**48** - 48”	**25** - 2500K	**220** - 220-240VAC	**80** - 80° x 80°
		27 - 2700K ##	**277** - 277VAC**	
		30 - 3000K ##		
		35 - 3500K ##		
		40 - 4000K ##		

EXAMPLE: **HPIS - 48 - 23 - 220 - 120** (*High Power Interior Standard Power)

HPIL - 48 - 25 - 220 - 120 (*High Power Interior Standard Power)

See Linear HP INT Standard Power Warm Cove Spec Sheet for more details

See Linear INT Standard Power / Low Power Spec Sheet for more details

Wiring Options			
*INT Leader Cable, 3 Pin, 10ft, 110V	**INT3P-A-LDR-120-10**	INT Leader Cable, 3 Pin, 10ft, 220V	**INT3P-A-LDR-220-10**
INT Jumper Cable, 3 Pin, 5ft, 110V	**INT3P-A-JMP-120-05**	INT Jumper Cable, 3 Pin, 5ft, 220V	**INT3P-A-JMP-220-05**
INT Jumper Cable, 3 Pin, 1ft, 110V	**INT3P-A-JMP-120-01**	INT Jumper Cable, 3 Pin, 1ft, 220V	**INT3P-A-JMP-220-01**
INT Jumper Cable, 3 Pin, 4in, 110V	**INT3P-A-JMP-120-4**	INT Jumper Cable, 3 Pin, 4in, 220V	**INT3P-A-JMP-220-4**
* One (1) Terminator included standard with each leader cable.			
One Leader Cable is required per circuit / fixture run. Leader cable has bare leads one end, female connector opposite end. Leader / Jumper cables are not rated for plenum applications.			
**The 120VAC cables are also rated for 277VAC use.			

Control Options	
100-120VAC / 277VAC Linear Dimming Control Module 0-10V	LDCM-120-277-010V-GR
100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated	LDCM-PL-120-277-010V-GR

Mounting Options		
Flat Mounting Bracket, Interior Cove	**INT-A-MNT-FLAT**	Included Standard with each product length
Hinge Bracket, Interior Cove	**INT-A-MNT-ADJ**	Order 1 (one) bracket per 12” length, and 2 (two) brackets per 48” length
Snap On Clip, Interior Cove	**HPI-A-MNT-STA**	Order 2 (two) bracket per 12” length, and 2 (two) brackets per 48” length
Mounting Track, Interior Cove (4’-0” Length)	**04-A-MNT-TRK-4**	

Frosted Lens Option		
Frosted Lens, Linear HP INT, 12in	**HPI-A-FRLS-12**	Snap-on lens before or after mounting fixture.
Frosted Lens, Linear HP INT, 48in	**HPI-A-FRLS-48**	Snap-on lens before or after mounting fixture.

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DIMENSIONS

For complete dimensions and submittal drawings, please visit: ecosenselighting.com

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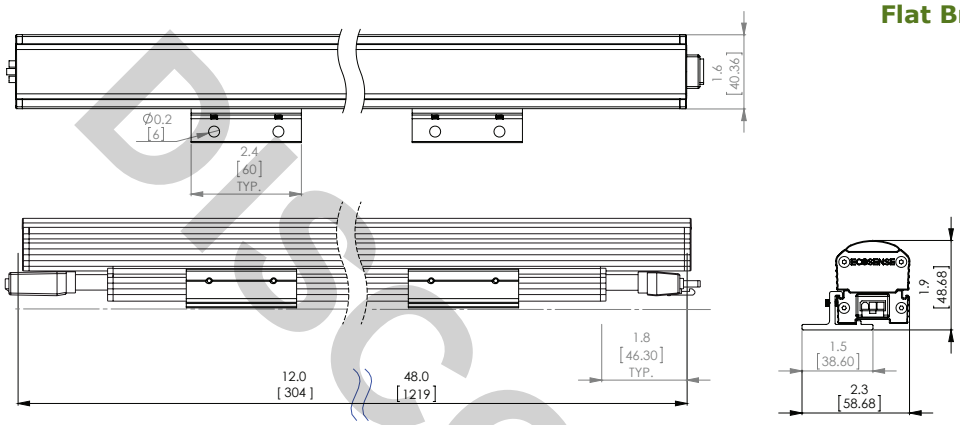
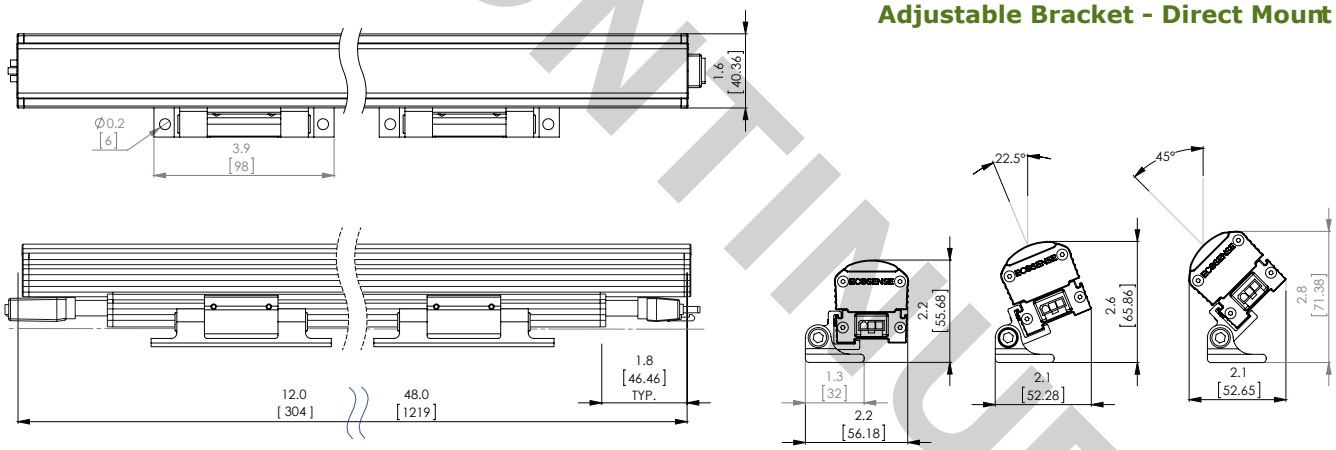
Flat Bracket - Direct Mount



Adjustable Bracket - Direct Mount



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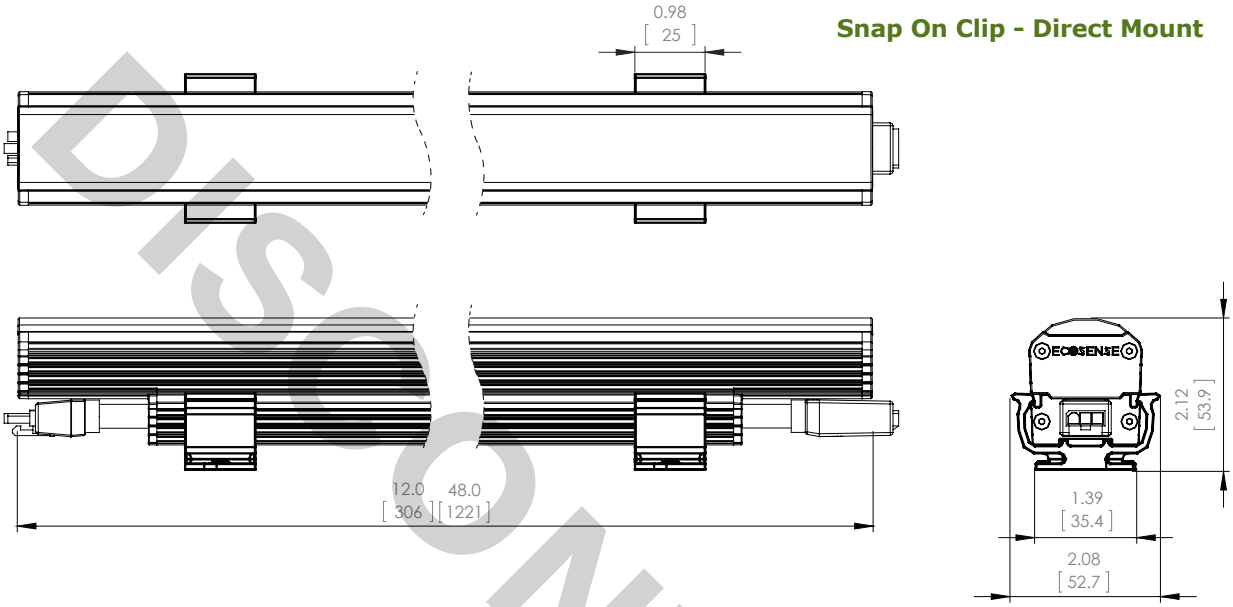
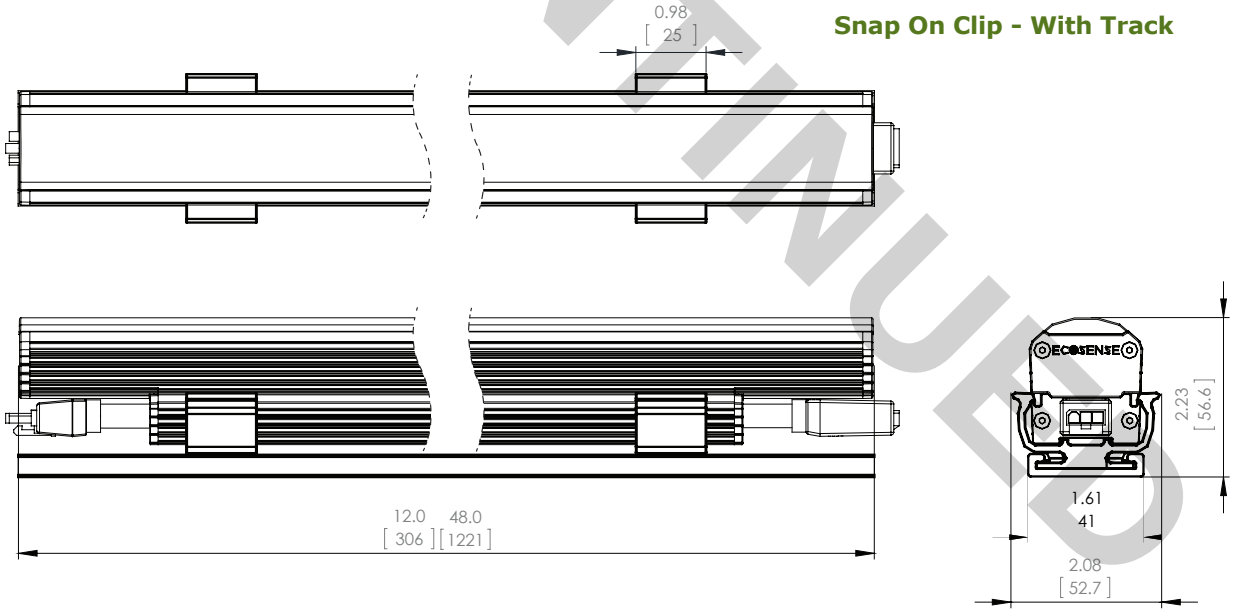
Snap On Clip - Direct Mount



Snap On Clip - With Track



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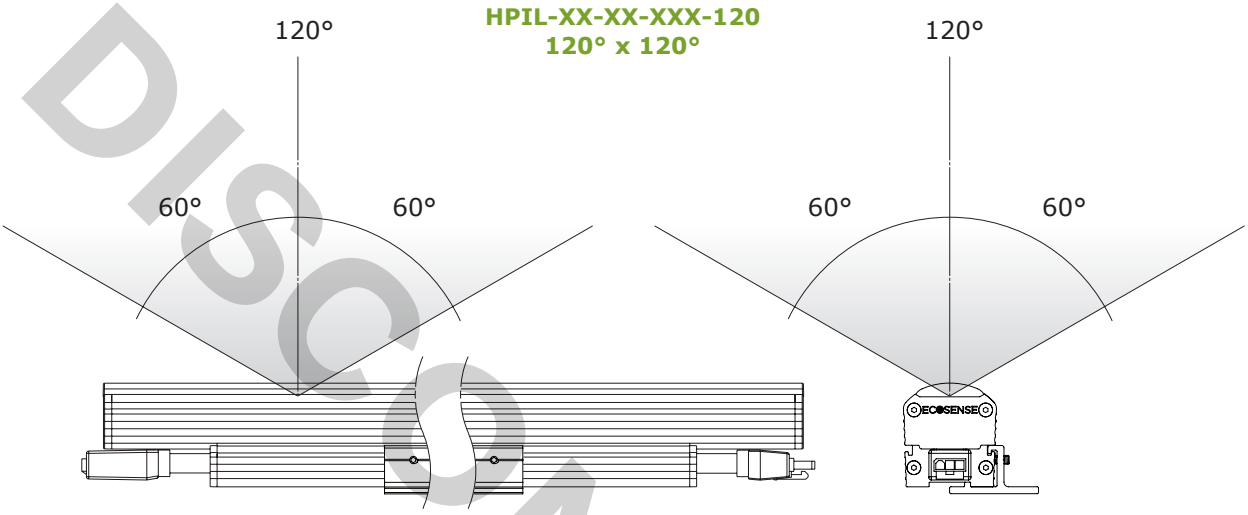

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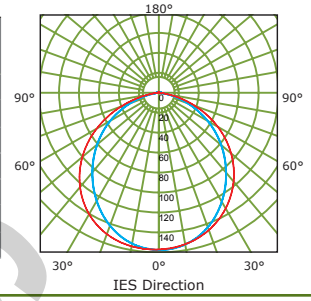
PHOTOMETRY CHARACTERISTICS

For complete library of IES files, please visit: ecosenselighting.com

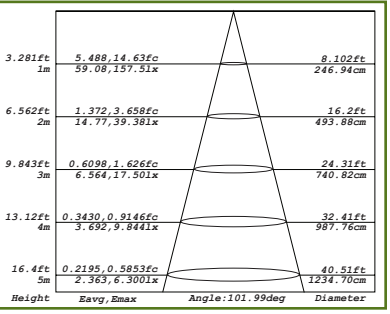
120°x 120°

2300K*

CHARACTERISTICS: LINEAR HP INT - LP (HPIL) 2300K / 120°X 120°	
Total Rated Fixture Lumens	421
Total Luminaire Efficiency	100%
Total Input Watts	6.53W
Horizontal Beam Angle (50%)	114
Vertical Beam Angle (50%)	102
Horizontal Field Angle (10%)	156.3
Vertical Field Angle (10%)	152.7

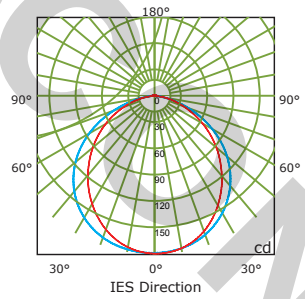


	0	22.5	45	67.5	90
0	157.43	157.34	157.33	157.07	156.92
5	156.45	156.02	155.94	156.13	155.9
15	148.66	148.71	149.36	150.31	150.81
25	134.07	134.36	136.39	139.43	140.75
35	114.53	115.28	118.86	123.51	125.64
45	92.43	93.5	97.92	103.38	106.03
55	68.73	70.14	74.38	79.47	81.89
65	43.31	44.82	48.06	51.86	53.7
75	17.95	18.7	19.64	22.38	24.09
85	3.29	3.07	2.27	2.32	2.87
90	2.41	2.21	1.54	1.08	1.21

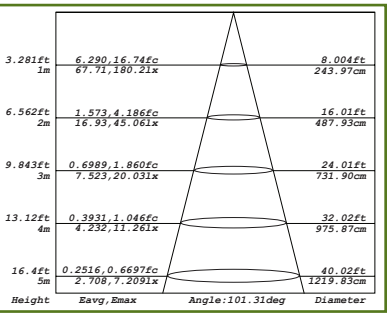


2500K*

CHARACTERISTICS: LINEAR HP INT - LP (HPIL) 2500K / 120°X 120°	
Total Rated Fixture Lumens	484
Total Luminaire Efficiency	100%
Total Input Watts	6.57W
Horizontal Beam Angle (50%)	114.8
Vertical Beam Angle (50%)	101.3
Horizontal Field Angle (10%)	156.5
Vertical Field Angle (10%)	154.7



	0	22.5	45	67.5	90
0	179.96	179.7	179.81	179.58	179.27
5	179.27	179.06	179	178.85	178.51
15	171.5	171.64	172.56	173.53	173.33
25	155.12	155.96	158.6	161.67	162.08
35	132.33	133.65	138.16	143.61	144.86
45	105.8	107.71	113	119.33	121.69
55	77.71	79.44	84.14	89.74	92.63
65	48.69	49.31	52.41	56.73	58.48
75	23.41	23.07	21.32	22.70	24.66
85	2.88	2.73	2.15	2.19	3.09
90	2.36	2.16	1.53	1.22	2.14



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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