

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP INT 80 Degree - is a high performance luminaire that delivers more lumens for larger cove applications, dome ceilings or retail displays. In addition, the reduced wattage version at only 8 watts per linear foot allows for a wider range of commercial applications. Patent-pending dimming technology dims down to 0% output power.

Features:

- Economical
- Simple Installation
- In-line Connection
- High Efficacy
- 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"			
	2700K	80°x80°	646 lm/LF	2,584 lm	80lm/W		
	3000K	80°x80°	689 lm/LF	2,756 lm	82lm/W		
	3500K	80°x80°	699 lm/LF	2,796 lm	84lm/W		
	4000K	80°x80°	697 lm/LF	2,788 lm	86lm/W		
* Performance data is from LM-79 and LM-63 testing at typical power input							
	Color Rendering Index	80+					
	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	9W Typical (The Typical input power range allows for a +/-10% variation of all components) 10W 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)					
CONTROL	Storage Temperature	-40°F to 176°F (-40°C to 80°C)					
	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: 80°x 80°, Frosted Lens Accessory Available					
	Mounting Options:	Flat Mounting Brackets and Hinge Brackets, Snap on Clip and Mounting Track					
FIXTURE RATING & CERTIFICATIONS	CE, C-Tick Certified, CCC						
	ETL Certified						
	RoHS Compliant						
	Energy Star						
LIMITED WARRANTY	5 Years						

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

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 - 40 - 220 - 80 (*High Power Interior Standard Power) HPIL* - 12 - 27 - 120 - 80 (*High Power Interior Low Power)				
# See HP INT Low Power Spec Sheet for more details				
## See HP INT Warm Cove 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

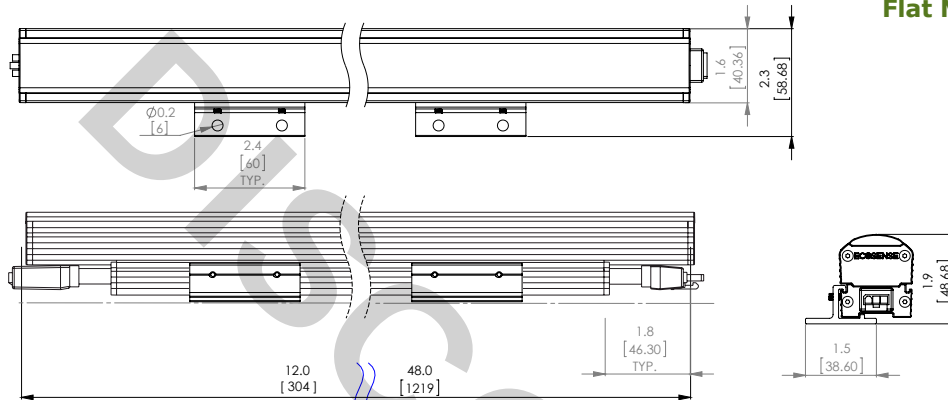
Mounting Options		
Flat Mounting Bracket, Interior Cove	INT-A-MNT-FLAT	Included Standard with each product length
Hinge Bracket, Interior Cove	INT-A-MNT-ADJ	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length
Snap On Clip, Interior Cove	HPI-A-MNT-STA	Order 2 (two) bracket per 12" 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.

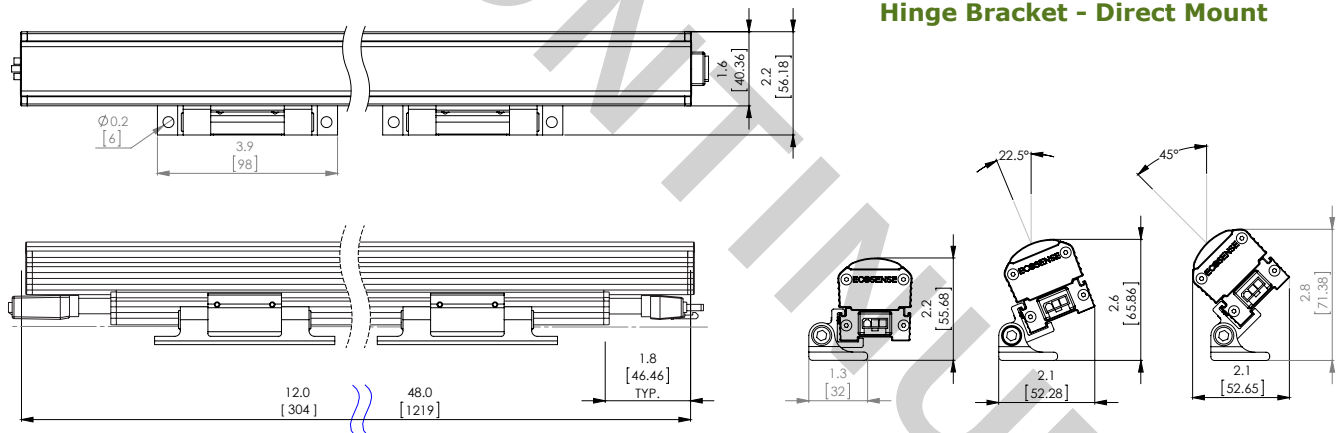
DIMENSIONS

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

Flat Mounting Bracket - Direct Mount



Hinge Bracket - Direct Mount

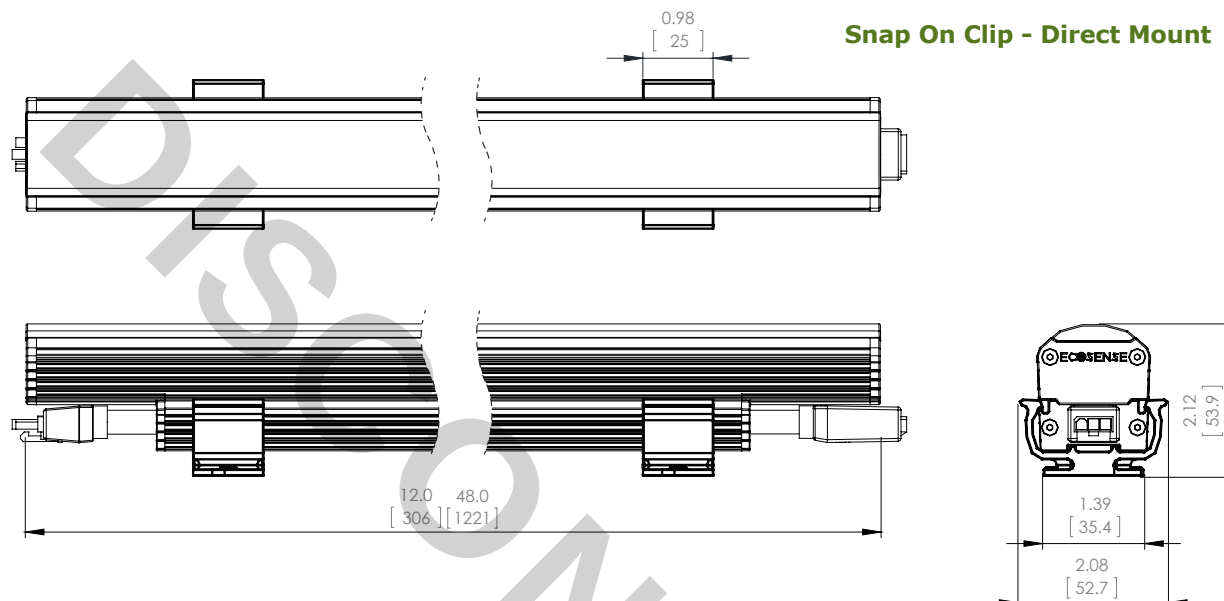


DIMENSION IN
 INCHES / [MM]

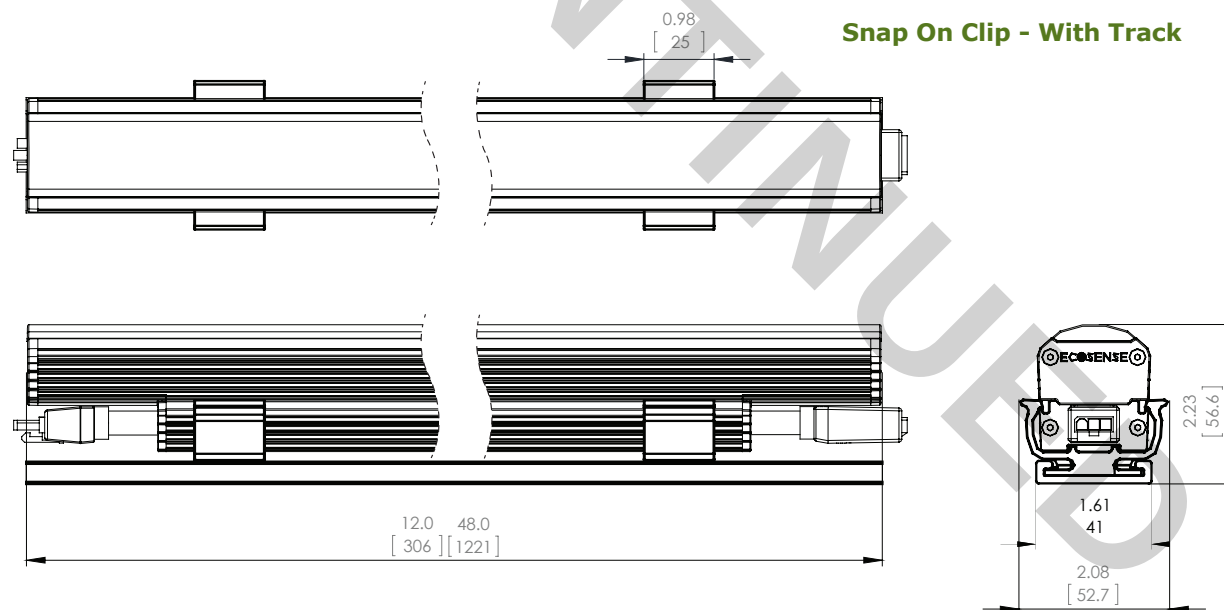
DIMENSIONS

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

Snap On Clip - Direct Mount



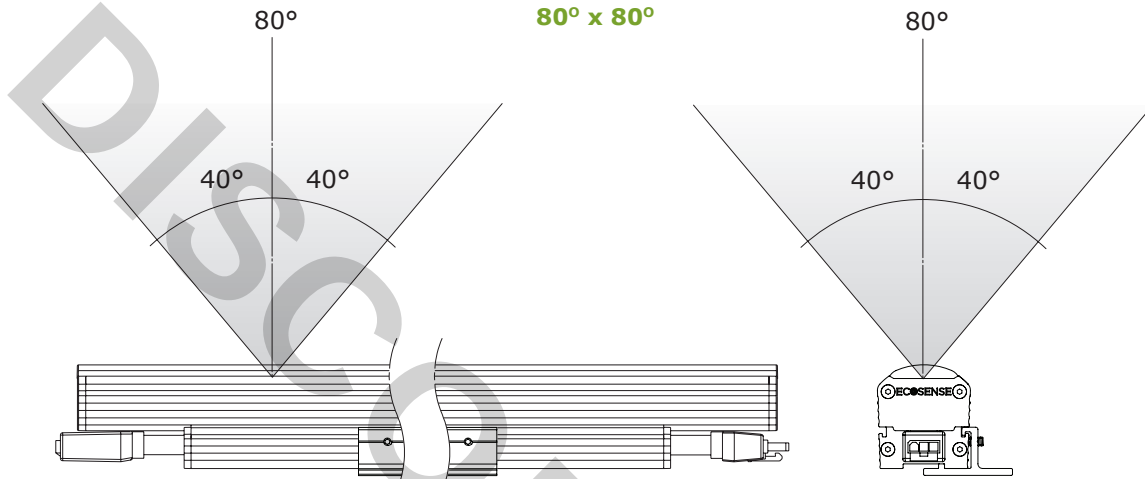
Snap On Clip - With Track



DIMENSION IN
INCHES / [MM]

DISTRIBUTIONS

HPIX-XX-XX-XXX-80
80° x 80°



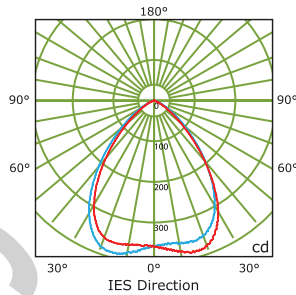
PHOTOMETRY CHARACTERISTICS

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

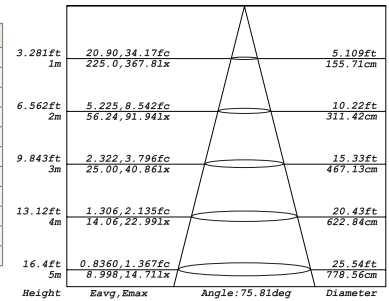
80°x 80°

2700K*

CHARACTERISTICS: LINEAR HP INT - SP (HPIS) 2700K / 80° X 80°	
Total Rated Fixture Lumens	646
Total Luminaire Efficiency	100%
Total Input Watts	8.13W
Horizontal Beam Angle (50%)	81.7
Vertical Beam Angle (50%)	79.3
Horizontal Field Angle (10%)	119.9
Vertical Field Angle (10%)	114.7

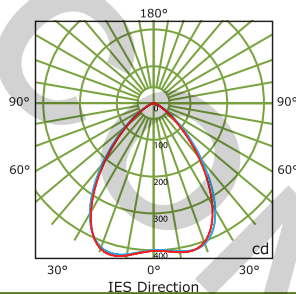


	0	22.5	45	67.5	90
0	360.7	360.13	358.63	358.02	357.67
5	368.38	362.96	359.19	355.75	355.52
15	386.48	377.72	372.44	364.36	358.14
25	355.36	358	353.48	343.05	333.29
35	257.77	262.94	267.5	260.72	251.82
45	133.85	139.69	145.6	147.32	143.95
55	50.2	53.51	57.49	62.07	63.51
65	12.87	13.79	16.06	18.99	20.87
75	1.47	1.53	2.02	3.79	4.51
85	0.74	0.74	0.69	0.65	0.55
90	0.53	0.51	0.45	0.39	0.21

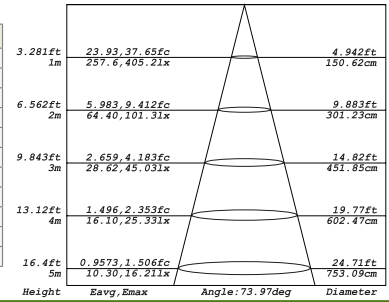


3000K

CHARACTERISTICS: LINEAR HP INT - SP (HPIS) 3000K / 80° X 80°	
Total Rated Fixture Lumens	689
Total Luminaire Efficiency	100%
Total Input Watts	8.42W
Horizontal Beam Angle (50%)	79.9
Vertical Beam Angle (50%)	77.2
Horizontal Field Angle (10%)	115.8
Vertical Field Angle (10%)	112.7

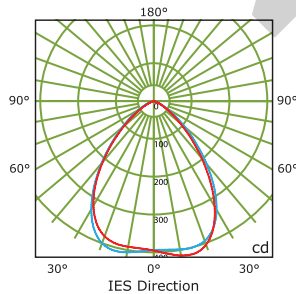


	0	22.5	45	67.5	90
0	401.5	401.55	400.58	400.7	400.19
5	404.4	403.16	402.52	401.9	402.03
15	413.87	416.02	418	416.42	413.83
25	369.61	378.5	387.44	386.88	380.98
35	253.79	261.8	271.62	276.95	272.71
45	127.23	129.82	134.98	141.39	143.63
55	47.58	47.38	48.53	53.87	57.14
65	14.23	13.79	13.84	15.16	16.45
75	2.73	2.68	2.46	2.87	3.29
85	0.81	0.76	0.65	0.65	0.46
90	0.61	0.55	0.43	0.38	0.21

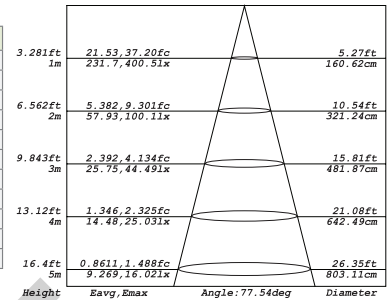


3500K

CHARACTERISTICS: LINEAR HP INT - SP (HPIS) 3500K / 80° X 80°	
Total Rated Fixture Lumens	699
Total Luminaire Efficiency	100%
Total Input Watts	8.32W
Horizontal Beam Angle (50%)	81.8
Vertical Beam Angle (50%)	79.1
Horizontal Field Angle (10%)	120.8
Vertical Field Angle (10%)	116.3

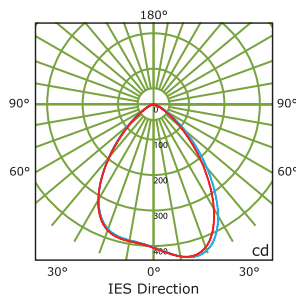


	0	22.5	45	67.5	90
0	395.27	395.1	394.79	394.69	394.03
5	404.86	402.84	400.78	397.9	394.56
15	417.27	415.74	413.29	407.49	400.12
25	371.79	375.93	381.18	378.44	370.91
35	260.43	268.76	278.92	281.59	277.4
45	138.83	144.63	153.9	159.08	158.19
55	55.53	58.53	63.16	67.57	67.28
65	15.71	16.98	18.55	20.48	20.9
75	1.68	1.78	2.13	3.9	4.56
85	0.86	0.85	0.73	0.68	0.52
90	0.67	0.63	0.51	0.45	0.25

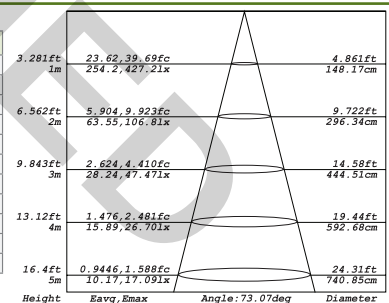


4000K

CHARACTERISTICS: LINEAR HP INT - SP (HPIS) 4000K / 80° X 80°	
Total Rated Fixture Lumens	697
Total Luminaire Efficiency	100%
Total Input Watts	8.14W
Horizontal Beam Angle (50%)	78.6
Vertical Beam Angle (50%)	76.7
Horizontal Field Angle (10%)	117.3
Vertical Field Angle (10%)	114



	0	22.5	45	67.5	90
0	405.04	404.59	404.56	404.14	403.83
5	420.16	423.87	425.11	423.5	419.23
15	442.03	453.61	459.76	456.96	445.3
25	394.41	409.46	422.16	423.53	411.92
35	274.66	288.64	301.04	307.35	301.32
45	146.63	155.29	163.1	170.56	169.83
55	59.2	63.55	66.99	72.02	72.5
65	17.25	18.74	19.96	21.83	22.24
75	2.95	3.32	3.3	4.15	4.44
85	0.84	0.82	0.76	0.82	0.57
90	0.63	0.6	0.51	0.48	0.28



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

ECOSENSE®

New Linear Series

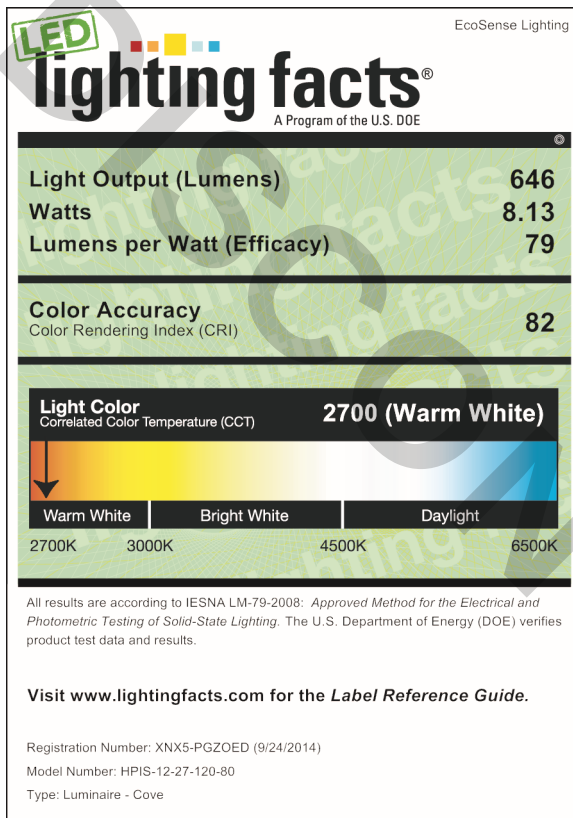
EcoSpec® Linear HP INT 80 Degree - Standard Power

DATE _____ TYPE _____

PROJ. _____

FIRM _____

LIGHTING FACTS LABELS



EcoSense Lighting Inc.
915 Wilshire Boulevard
Suite 2175
Los Angeles, CA 90017

Phone 310-496-6255
Fax 310-496-6256
Toll Free 855-632-6736
855-6-ECOSEN

Specifications subject to change without notice. Visit EcoSenseLighting.com for the most current specifications.

2014 All rights reserved.
EcoSense, the EcoSense logo, and EcoSpec are registered trademarks of EcoSense Lighting Inc.
SPEC-HPIS-20140117-V1

ECOSENSELIGHTING.COM