

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP EXT - is our low output, low profile exterior luminaire, ideal for a variety of unique architectural applications that are exposed to harsh elements. The new glass lens provides better protection against harsh environments and chemicals and the GORE® Vent protects the internal system from moisture build up, prolonging the lifetime of the fixture. Patentpending 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%
- Glass Lens

PERFORMANCE ADDITIONAL INFORMATION ON NEXT PAGE	CCT (K)	Optic	Lumen Output		Efficacy (lm/W)	
			12"	48"		
	2700K	120°x120°	508 lm/LF	2,032 lm	70.9lm/W	
	3000K	120°x120°	511 lm/LF	2,044 lm	71.1lm/W	
	3500K	120°x120°	566 lm/LF	2,264 lm	78.9lm/W	
	4000K	120°x120°	561 lm/LF	2,244 lm	78.1lm/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*				
* 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	85' (25m) @120VAC; 125' (37m) @220VAC ; 125' (37m) @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	-40°F to 122°F (-40°C to 50°C)				
	Operating Temperature	-40°F to 122°F (-40°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 1.93" x H 1.97" x L 12"/48"; (49mm x 50.1mm x 308mm/1,219mm)				
	Housing / Lens	Extruded Aluminium; Tempered Glass; Stainless Steel Fasteners Metal Endcaps with Plastic/Rubber Overmold for Cable Assembly				
	Weight	1.98 lbs. / 0.9 kg (1ft), 7.28lbs. / 3.3kg (4ft)				
	Connectors	Integral Male/ Female 3 Pin Connectors on Pigtail Cable Assembly, IP66 Rated				
	Environment	Outdoor; CE Certified IP66 / ETL Certified for Wet Locations				
	Beam Angle	Clear Glass: 120°x 120°				
	Mounting Options:	Exterior Fixed and Adjustable Hinge Brackets				
FIXTURE RATING & CERTIFICATIONS	CE, ENEC, C-Tick Certified, CCC					
	ETL Certified					
	RoHS Compliant					
						
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

HPES / HPEL	-		-		-		120
MODEL	LENGTH	COLOR	VOLTAGE	OPTIC			
HPES #	12 - 12"	27 - 2700K	120 - 100-120VAC	120 - 120° x 120°			
HPEL	48 - 48"	30 - 3000K	220 - 220-240VAC				
		35 - 3500K	277 - 277VAC**				
		40 - 4000K					
EXAMPLE:	HPES* - 12 - 27 - 120 - 120 (*High Power Exterior Standard Power)						
	HPEL* - 12 - 27 - 120 - 120 (*High Power Exterior Low Power)						
# See Linear HP EXT Standard Power Spec Sheet for more details							

Wiring Options			
*EXT Leader Cable, 3 Pin, 10ft, 110V	EXT3P-A-LDR-120-10	EXT Leader Cable, 3 Pin, 10ft, 220V	EXT3P-A-LDR-220-10
EXT Jumper Cable, 3 Pin, 5ft, 110V	EXT3P-A-JMP-120-05	EXT Jumper Cable, 3 Pin, 5ft, 220V	EXT3P-A-JMP-220-05
EXT Jumper Cable, 3 Pin, 1ft, 110V	EXT3P-A-JMP-120-01	EXT Jumper Cable, 3 Pin, 1ft, 220V	EXT3P-A-JMP-220-01
* 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.			

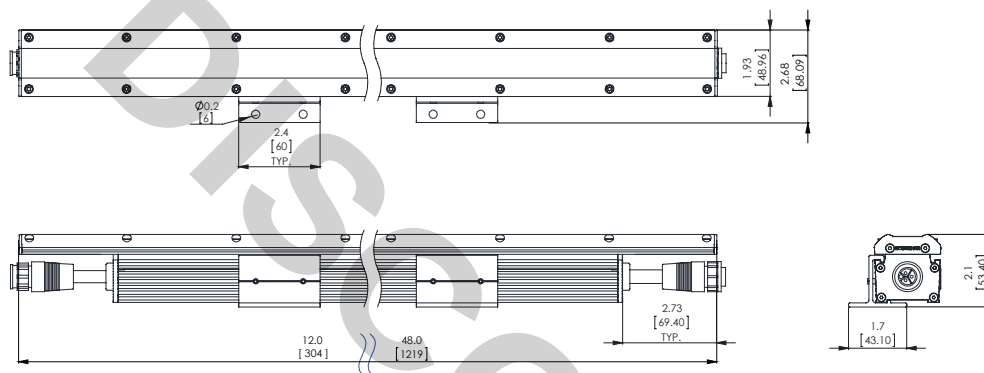
Control Options	
100-120VAC / 277VAC Linear Dimming Control Module 0-10V	LDCM-120-277-010V-GR
100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated	LDCM-PL-120-277-010V-GR

Mounting Options		
Flat Mounting Bracket, Exterior Cove	EXT-A-MNT-FLAT	Included Standard with each product length
Hinge Bracket, Exterior Cove	EXT-A-MNT-ADJ	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length
Safety Bracket, Exterior Cove (Optional)	EXT-A-MNT-SAFT	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length

DIMENSIONS

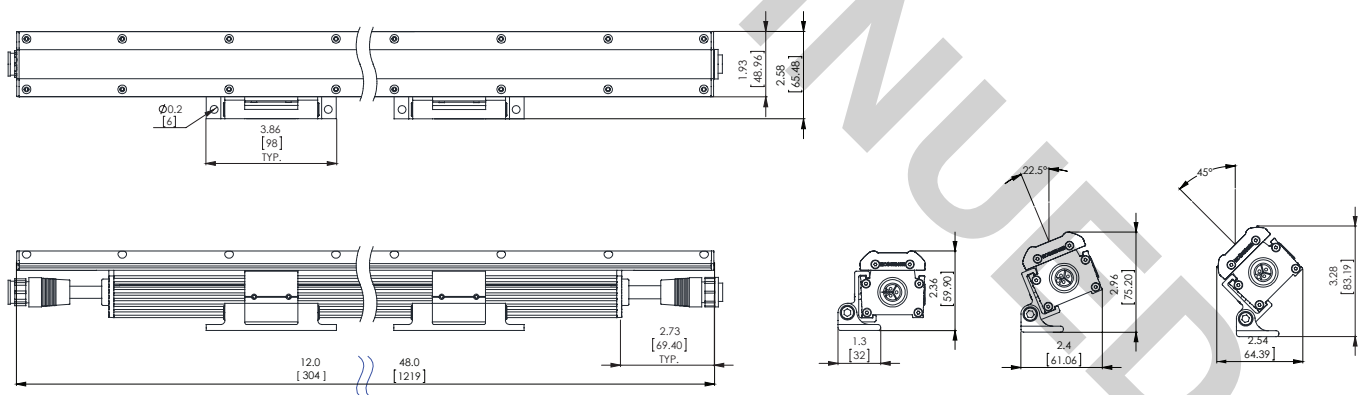
For complete dimensions and submittal drawings, please visit:
ecosenselighting.com

Flat Bracket - Direct Mount



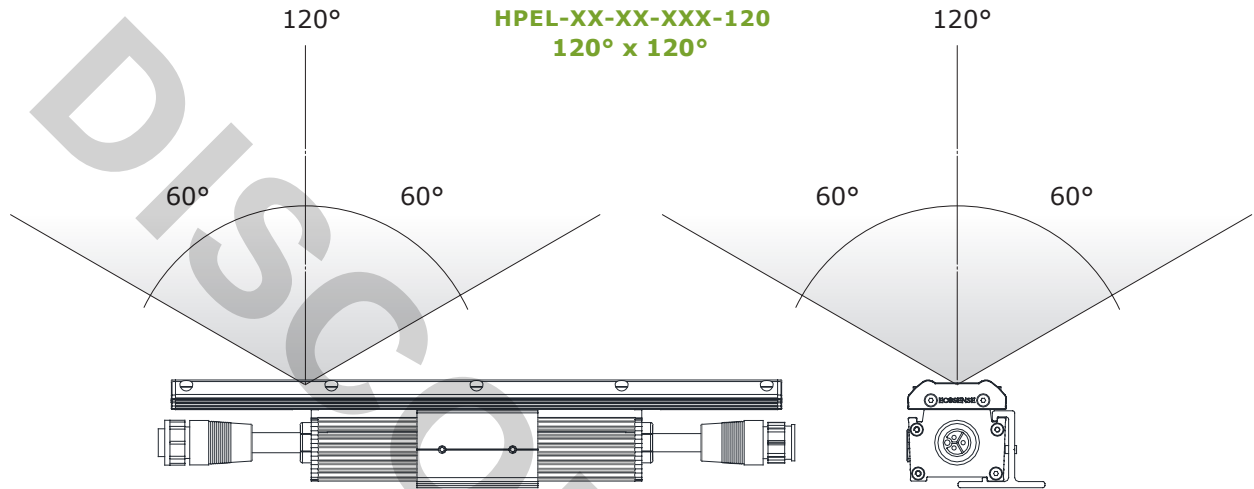
DIMENSION IN
 INCHES / [MM]

Adjustable Bracket - Direct Mount



DIMENSION IN
 INCHES / [MM]

DISTRIBUTIONS



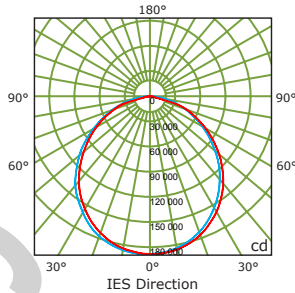
PHOTOMETRY CHARACTERISTICS

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

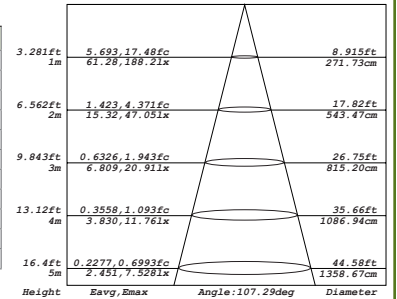
120°x 120°

2700K*

CHARACTERISTICS: LINEAR HP EXT - LP (HPEL) 2700K / 120°X 120°	
Total Rated Fixture Lumens	508
Total Luminaire Efficiency	100%
Total Input Watts	7.16W
Horizontal Beam Angle (50%)	107.4
Vertical Beam Angle (50%)	107.4
Horizontal Field Angle (10%)	160.8
Vertical Field Angle (10%)	151.9

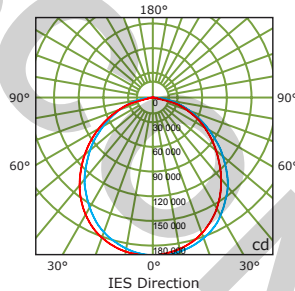


	0	22.5	45	67.5	90
0	188.1	188.2	188.1	188.1	188
5	188.2	188.3	188.1	187.8	187.7
15	182.6	183	182.4	182	181.6
25	169.9	170.7	169.9	169.2	167.8
35	149.6	151.2	151.7	150	148
45	124	127.8	126.4	123.5	122
55	94	95.7	95.1	93.2	92.1
65	61.8	64.1	64	62	61
75	33.6	34.5	33.3	28.8	15.6
85	7.5	4.1	0.9	0.5	0.3
90	0	0	0	0	0

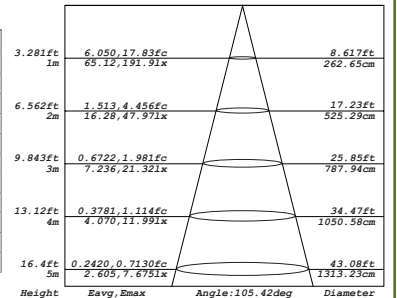


3000K

CHARACTERISTICS: LINEAR HP EXT - LP (HPEL) 3000K / 120°X 120°	
Total Rated Fixture Lumens	511
Total Luminaire Efficiency	100%
Total Input Watts	7.19W
Horizontal Beam Angle (50%)	105.9
Vertical Beam Angle (50%)	105.6
Horizontal Field Angle (10%)	160.6
Vertical Field Angle (10%)	156.5

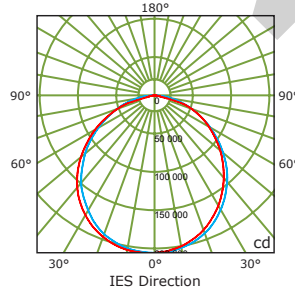


	0	22.5	45	67.5	90
0	191.7	191.5	191.7	191.6	191.7
5	190.1	189.9	190	189.8	190.1
15	180.9	181.1	181.2	181.2	182.1
25	164.9	164.4	164.4	165.8	166.2
35	141.6	141.3	142.2	142.9	143
45	113.9	114	113.3	113.4	114.6
55	84.6	83.4	83.2	84	86.4
65	55.2	56	56.9	56.8	58.5
75	30.1	31	31	29.7	28
85	6	4.5	1	0.6	0.5
90	0	0	0	0	0

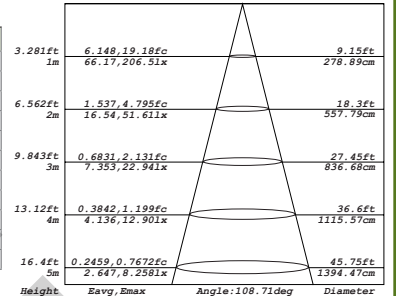


3500K

CHARACTERISTICS: LINEAR HP EXT - LP (HPEL) 3500K / 120°X 120°	
Total Rated Fixture Lumens	566
Total Luminaire Efficiency	100%
Total Input Watts	7.17W
Horizontal Beam Angle (50%)	108.9
Vertical Beam Angle (50%)	109
Horizontal Field Angle (10%)	161.5
Vertical Field Angle (10%)	151.9

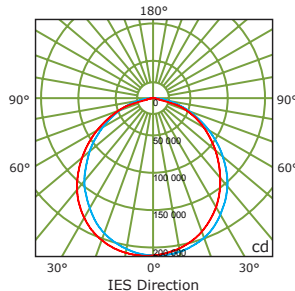


	0	22.5	45	67.5	90
0	205.6	205.9	205.3	205.6	205.6
5	204.9	204.9	204.1	203.9	203.8
15	198.4	197.1	195.9	194.9	194.4
25	184.2	183.1	180.3	178.1	177.2
35	161.8	160.1	157.5	155	154
45	133.6	133.5	128.8	126.6	126.3
55	101.6	100	97.2	96.9	96.6
65	68	68.4	67.7	67.3	67.2
75	37.3	39	38.2	35.4	26.8
85	10	9.3	2.2	1.3	0.8
90	0	0	0	0	0

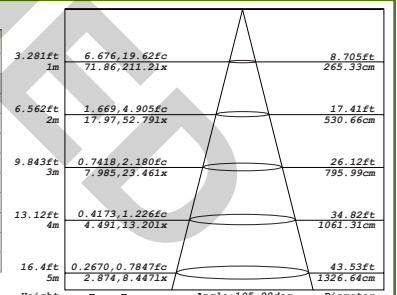


4000K

CHARACTERISTICS: LINEAR HP EXT - LP (HPEL) 4000K / 120°X 120°	
Total Rated Fixture Lumens	561
Total Luminaire Efficiency	100%
Total Input Watts	7.2W
Horizontal Beam Angle (50%)	106.3
Vertical Beam Angle (50%)	106.1
Horizontal Field Angle (10%)	160
Vertical Field Angle (10%)	150.9



	0	22.5	45	67.5	90
0	210.7	211	210.6	210.8	210.6
5	209.1	209	208.3	207.9	208.3
15	199.5	198.8	197.5	197.4	198.3
25	182.8	180.2	179.2	179.5	180
35	156.8	155.1	154.9	153.7	154.9
45	126.4	126	123.6	123.2	124.3
55	94.1	92.5	91.2	91.3	93.2
65	61.5	62.8	62.5	61.9	62.9
75	33.2	34.4	33.9	30.5	20.4
85	7.4	5.4	1.3	0.7	0.5
90	0	0	0	0	0



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

* Lumen measurements comply with IES LM-79-08.

IES data is available at www.ecosenselighting.com

LIGHTING FACTS LABELS

