

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP EXT Conduit Connection- is our high output, low profile exterior luminaire, ideal for a variety of unique architectural applications that are exposed to harsh elements and require a direct conduit connection, eliminating the need for leader cables. 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. Patent-pending dimming technology dims down to 0% output power.

Features:

- Economical
- Simple Installation
- Direct Conduit Connection
- In-line and Conduit 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°	709 lm/LF	2,836 lm	64.9lm/W
	3000K	120°x120°	725 lm/LF	2,900 lm	65.2lm/W
	3500K	120°x120°	801 lm/LF	3,204 lm	72.9lm/W
	4000K	120°x120°	823 lm/LF	3,292 lm	74.9lm/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	11W/LF Typical (The Typical input power range allows for a +/-10% variation of all components) 12W/LF Maximum (All fixtures are labelled with Maximum wattage)			
	Max Fixture Run Length	55' (16m) @120VAC; 125' (37m) @277VAC			
	Power Factor	0.90			
	Operating Voltage	100-120VAC, 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 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; Clear Polycarbonate; Stainless Steel Fasteners Metal Endcaps with Plastic for Conduit parts			
	Weight	2.3 lbs. / 1.05 kg (1ft), 8.6lbs. / 3.9kg (4ft)			
	Connectors	Integral Male/ Female 3 Pin Connectors on Pigtail Cable Assembly, IP66 Rated 2LF Lead wires for 1LF fixture, 10LF Lead wires for 4LF fixture,			
	Environment	Outdoor, ETL Certified for Wet Locations			
	Beam Angle	Clear Glass: 120°x 120°			
	Mounting Options:	Flat Mounting Brackets, Hinge Brackets and Safety Brackets			
FIXTURE RATING & CERTIFICATIONS	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-CC / HPEL-CC	-		-		-		-	120
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MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
HPES-CC	12 - 12"	27 - 2700K	120 - 100-120VAC	120 - 120° x 120°
HPEL-CC #	48 - 48"	30 - 3000K	277 - 277VAC**	
HPES-CM		35 - 3500K		
HPEL-CM #		40 - 4000K		
HPES-CF				
HPEL-CF #				

EXAMPLE: HPES-CC* - 12 - 27 - 120 - 120 (*High Power Exterior Standard Power - Conduit Connection)
 HPES-CM* - 12 - 27 - 120 - 120 (*High Power Exterior Standard Power - Conduit + Male Connector)
 HPES-CF* - 12 - 27 - 120 - 120 (*High Power Exterior Standard Power - Conduit + Female Connector)

See Linear HP EXT Low Power - Conduit Connection / Conduit Male Connector / Conduit Female Connector Spec Sheet for more details

Terminal Options

Linear Conduit Connection, Cap, 1/2 NPT (For CC Version)	LCC-A-CAP-1/2	Use one per run to terminate conduit connection
EXT Female Connector Cap, 3 pin, 110V, 220V, 277V (For CF Version)	CAP-EXT3P	Use one per run to terminate female connector

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

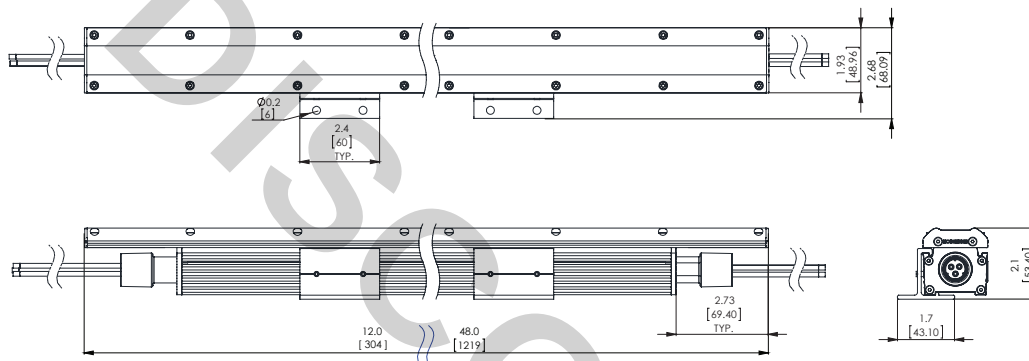
Mounting Options

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

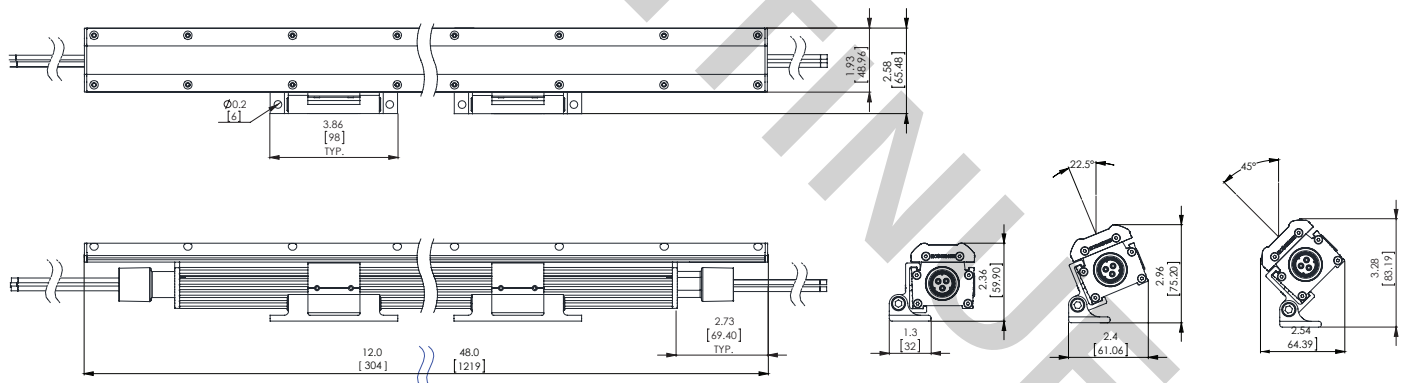
DIMENSIONS

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

Conduit Connection Flat Mounting Bracket - Direct Mount



Conduit Connection Hinge Bracket - Direct Mount

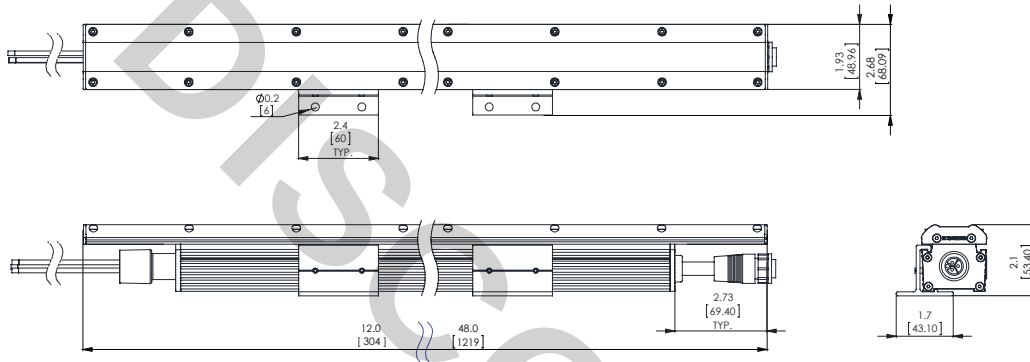


DIMENSION IN
INCHES / [MM]

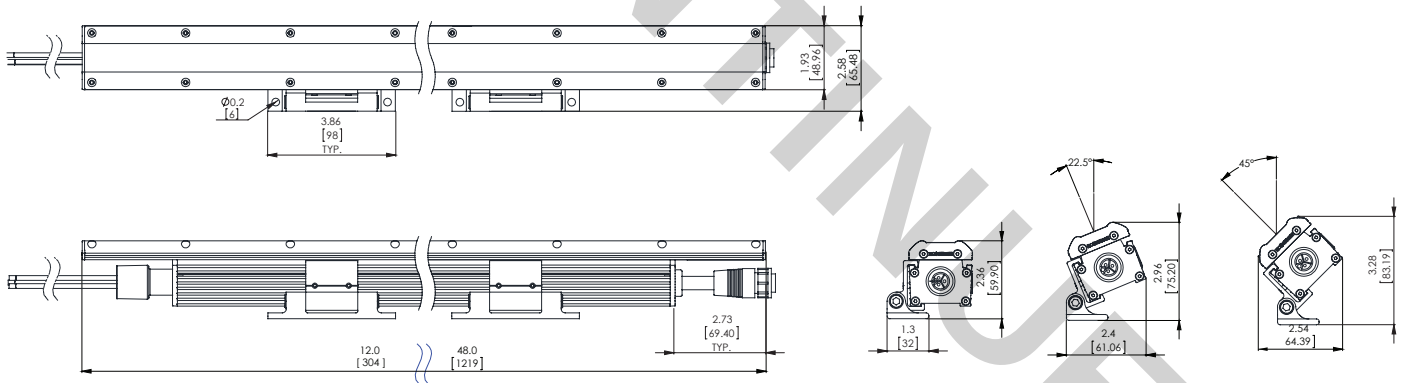
DIMENSIONS

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

Conduit + Male Connector Flat Mounting Bracket - Direct Mount



Conduit + Male Connector Adjustable Bracket - Direct Mount

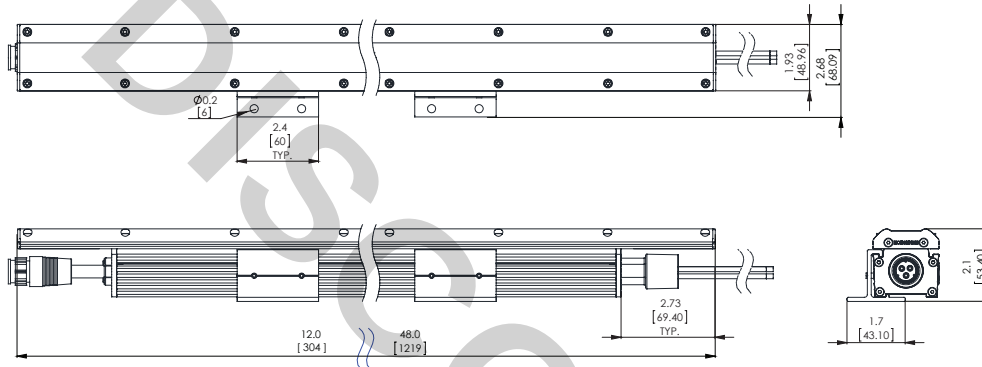


DIMENSION IN
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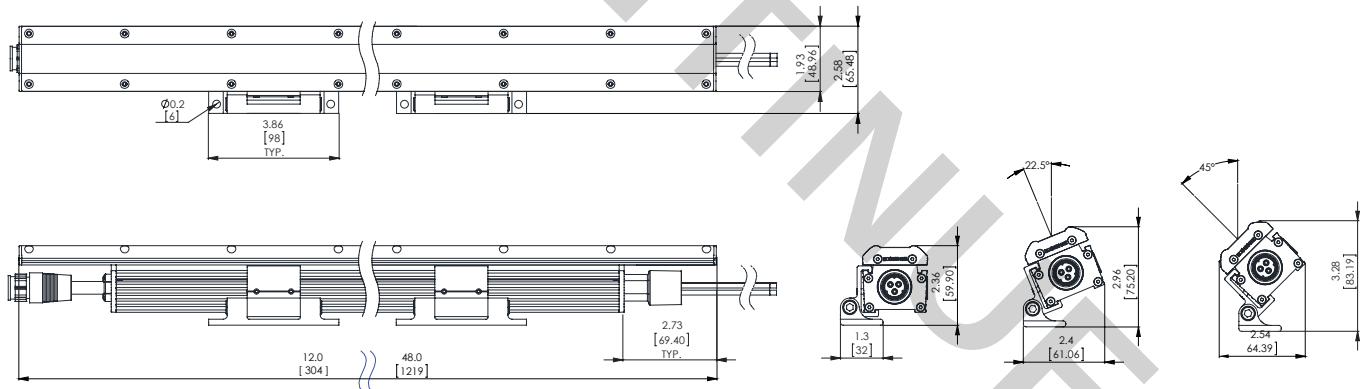
DIMENSIONS

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ecosenselighting.com

Conduit + Female Connector Flat Mounting Bracket - Direct Mount

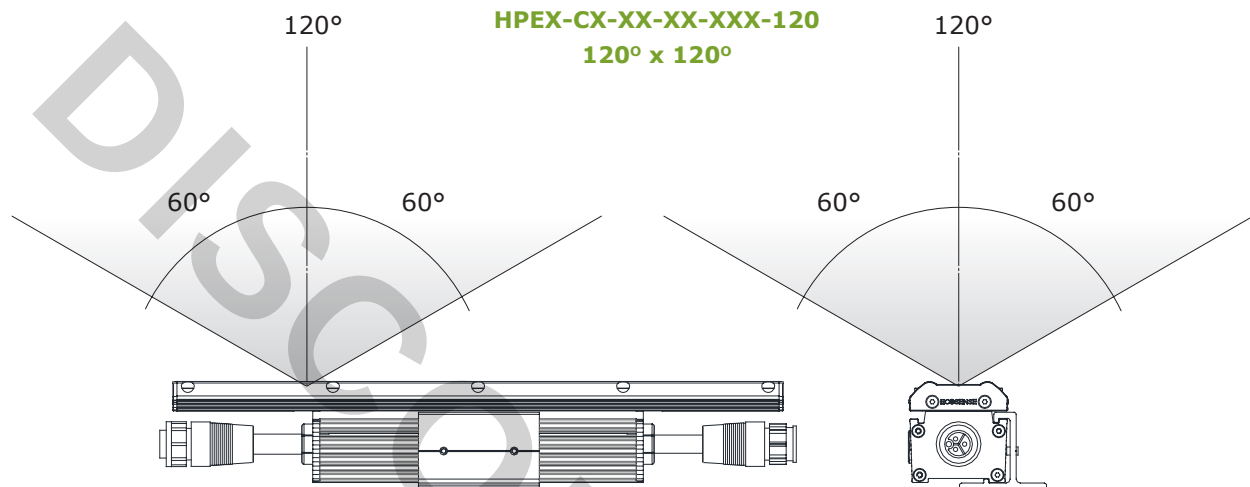


Conduit + Female Connector Adjustable Bracket - Direct Mount



DIMENSION IN
INCHES / [MM]

DISTRIBUTIONS



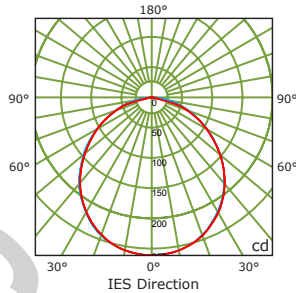
PHOTOMETRY CHARACTERISTICS

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

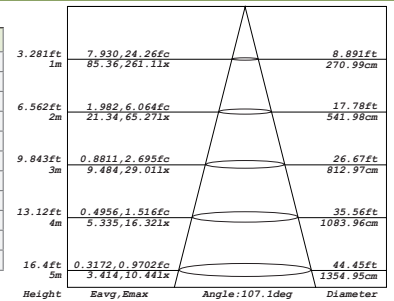
120°x 120°

2700K*

CHARACTERISTICS: LINEAR HP EXT - SP (HPES) 2700K / 120°x 120°	
Total Rated Fixture Lumens	709
Total Luminaire Efficiency	100%
Total Input Watts	10.92W
Horizontal Beam Angle (50%)	108.1
Vertical Beam Angle (50%)	107.2
Horizontal Field Angle (10%)	160.9
Vertical Field Angle (10%)	155.0

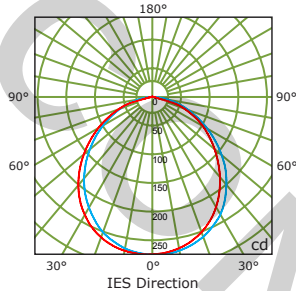


	0	22.5	45	67.5	90
0	260.7	261.1	260.9	260.8	260.8
5	259.7	260.2	260.2	259.9	260.1
15	251.1	251.1	251.8	250.6	251.3
25	232.3	233.5	233.5	232.8	232.2
35	203	205.1	207.2	205.9	204.6
45	166.7	172	171.4	169.3	168
55	125.9	128	128.5	126.9	125.8
65	83	85.5	85.5	84.3	83.6
75	44.6	45.9	44.3	40.4	29.6
85	9.1	5.1	1.2	0.6	0.5
90	0	0	0	0	0

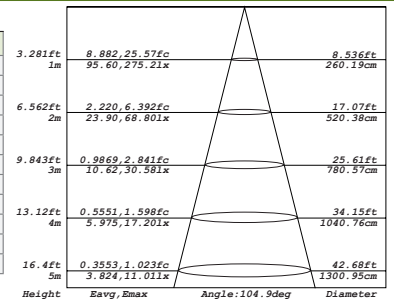


3000K

CHARACTERISTICS: LINEAR HP EXT - SP (HPES) 3000K / 120°x 120°	
Total Rated Fixture Lumens	725
Total Luminaire Efficiency	100%
Total Input Watts	11.12W
Horizontal Beam Angle (50%)	105.6
Vertical Beam Angle (50%)	105
Horizontal Field Angle (10%)	159.5
Vertical Field Angle (10%)	151.9

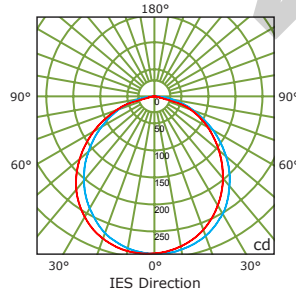


	0	22.5	45	67.5	90
0	275.1	275.2	274.5	274.5	274.5
5	273.1	273.1	271.5	271.7	272.3
15	260.7	261.4	259.5	260	260.8
25	237	237.1	235.8	237.1	238.1
35	204.5	204.5	202.5	202.2	203.4
45	164.2	162.5	160.8	160.6	162.4
55	120.7	118.7	117.2	118.8	121.3
65	78.2	78.9	78.7	78.2	80.4
75	40.6	41.9	40.8	34.6	22.7
85	7.7	3.3	0.9	0.5	0.5
90	0	0	0	0	0

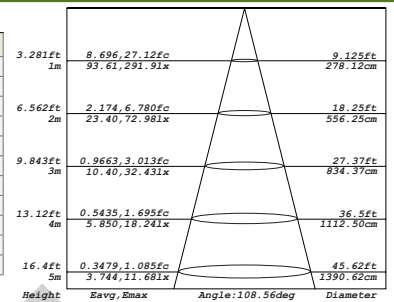


3500K

CHARACTERISTICS: LINEAR HP EXT - SP (HPES) 3500K / 120°x 120°	
Total Rated Fixture Lumens	801
Total Luminaire Efficiency	100%
Total Input Watts	11W
Horizontal Beam Angle (50%)	108.8
Vertical Beam Angle (50%)	109.1
Horizontal Field Angle (10%)	161.7
Vertical Field Angle (10%)	153.9

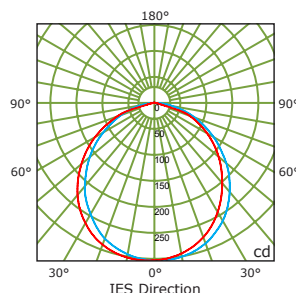


	0	22.5	45	67.5	90
0	291.1	291.8	291.1	291	290.3
5	289.2	289.6	288	287.4	287.4
15	277.9	277.5	273.8	273.7	273.9
25	254.8	253.2	249.9	250.7	249.7
35	222.2	221	217.1	215.8	216.3
45	182.1	179.2	176.5	175.3	176.8
55	136.4	134.1	132.7	133.2	134.4
65	90.5	92.4	91.9	92.4	93
75	48.7	50.7	49.9	43.5	28.7
85	9.8	3.8	1.4	0.8	0.7
90	0	0	0	0	0

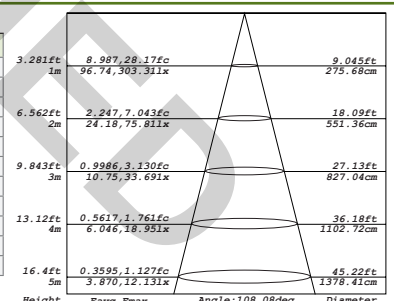


4000K

CHARACTERISTICS: LINEAR HP EXT - SP (HPES) 4000K / 120°x 120°	
Total Rated Fixture Lumens	823
Total Luminaire Efficiency	100%
Total Input Watts	10.99W
Horizontal Beam Angle (50%)	108.1
Vertical Beam Angle (50%)	108.5
Horizontal Field Angle (10%)	161.3
Vertical Field Angle (10%)	149.2



	0	22.5	45	67.5	90
0	302.9	302.9	302.7	302.8	302.6
5	300.9	300.5	299.8	299.5	300.1
15	287.9	287.4	284.9	284.6	286.2
25	263.4	262.1	259.3	259.5	260.6
35	228.6	226.4	223.5	223.3	223.6
45	185	184.6	179	178.7	182.3
55	138.4	136.6	133.8	134.7	139.7
65	89.7	91.6	91.1	91.5	94.6
75	47.3	48.4	47.4	30.5	19.9
85	8.8	2.7	0.9	0.5	0.6
90	0.1	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

