

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP INT WW - with static mono colors has an impressive array of narrow, medium, wide and elliptical beam angles that provides brilliant results for exterior façade grazing, and wall washing 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"	
	RED	6°x6°	421 lm/LF	1684 lm	64.1lm/W
	GREEN	6°x6°	854 lm/LF	3416 lm	71.8lm/W
	BLUE	6°x6°	286 lm/LF	1144 lm	24.2lm/W
	AMBER	6°x6°	377 lm/LF	1508 lm	53.7lm/W
* Performance data is from LM-79 and LM-63 testing at typical power input					
	Lumen Depreciation / Rated Life		L70 >100,000 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		11W Typical (The Typical input power range allows for a +/-10% variation of all components) 12W Maximum (All fixtures are labelled with Maximum wattage)		
	Max Fixture Run Length		50' (15m) @120VAC; 115' (35m) @220VAC ; 115' (35m) @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)		
	Dimensions		W 2" x H 2.4" x L 12"/48" ; (50.2mm x 60.3mm x 308mm/1219mm)		
PHYSICAL	Housing / Lens		Extruded Aluminium; Clear Polycarbonate; Stainless Steel Fasteners Plastic Endcaps with Plastic/Rubber Overmold for Cable Assembly		
	Weight		1.35lbs. / 0.62kg (1ft) ; 5.7lbs. / 2.6kg (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		Native: 6°x 6° / 6°x 15° / 10°x 60° / 17°x 35° / 30°x 60° / 60°x 60°		
	Mounting Options:		Flat Mounting Brackets and Hinge Brackets, Snap on Clip		
	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

WWIS / WWIL	-	-	-	-
MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
WWIS	12 - 12"	23 - 2300K ##	120 - 100-120VAC	6 - 6° x 6°
WWIL #	48 - 48"	27 - 2700K #	220 - 220-240VAC	6F - 6° x 15°
		30 - 3000K #	277 - 277VAC**	10 - 10° x 60°
		35 - 3500K #		17 - 17° x 35°
		40 - 4000K #		30 - 30° x 60°
		RD - RED		60 - 60° x 60°
		GN - GREEN		
		BL - BLUE		
		AM - AMBER		
EXAMPLE: WWIS - 48 - 40 - 120 - 6 (*Wall Wash Interior Standard Power) WWIL - 48 - 40 - 120 - 6 (*Wall Wash Interior Low Power) WWIS - 48 - 23 - 120 - 6 (*Wall Wash Interior Standard Power Warm Cove) WWIL - 48 - 23 - 120 - 6 (*Wall Wash Interior Low Power Warm Cove)				
# See Linear HP INT Wall Wash Low Power Spec Sheet for more details				
## See Linear HP INT Wall Wash Warm Cove Spec Sheet for more details				

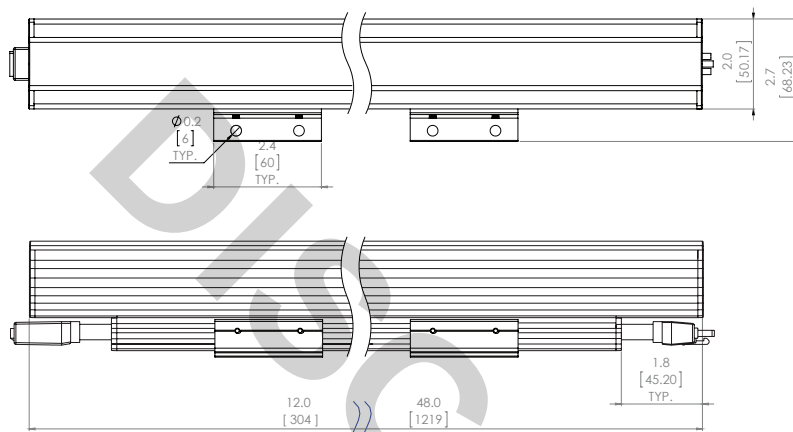
Wiring Options			
*INT Leader Cable, 3 Pin, 10ft, 110V	INT3P-A-LDR-120-10	INT Leader Cable, 3 Pin, 10ft, 220V	INT3P-A-LDR-220-10
INT Jumper Cable, 3 Pin, 5ft, 110V	INT3P-A-JMP-120-05	INT Jumper Cable, 3 Pin, 5ft, 220V	INT3P-A-JMP-220-05
INT Jumper Cable, 3 Pin, 1ft, 110V	INT3P-A-JMP-120-01	INT Jumper 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

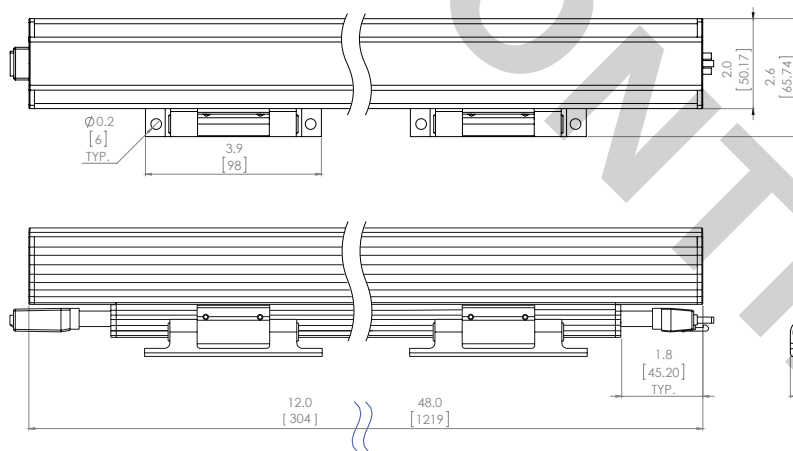
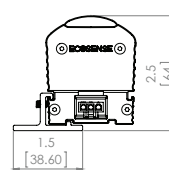
Mounting Options		
Flat Mounting Bracket, Interior Cove	INT-A-MNT-FLAT	Included Standard with each product length
Hinge Bracket, Interior Cove	INT-A-MNT-ADJ	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length
Snap On Clip, Interior Cove	WWI-A-MNT-STA	Order 2 (two) bracket per 12"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

DIMENSIONS

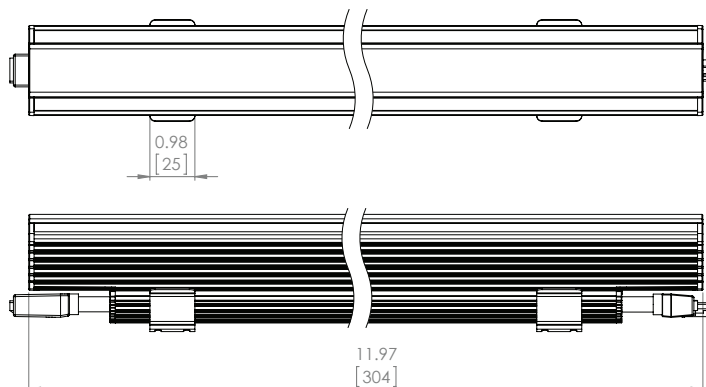
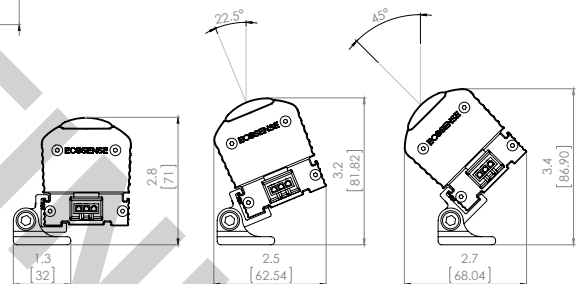
For complete dimensions and submittal drawings, please visit:
ecosenselighting.com



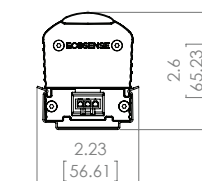
Flat Mounting Bracket - Direct Mount



Hinge Bracket - Direct Mount

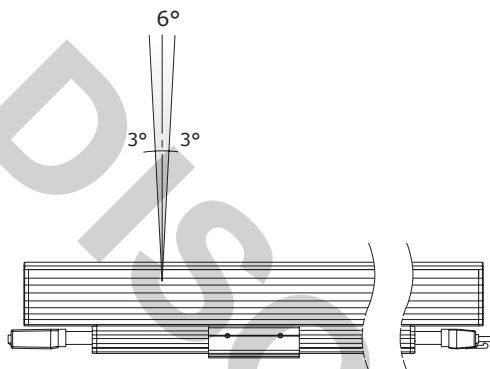


Snap On Clip - Direct Mount

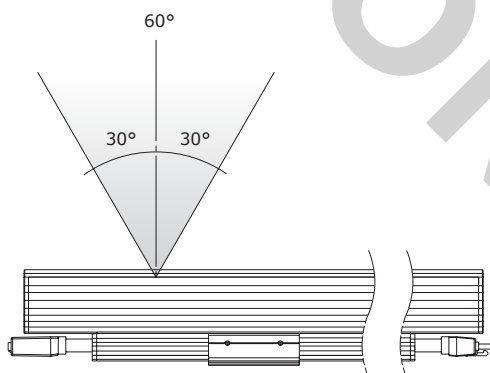


DIMENSION IN
 INCHES / [MM]

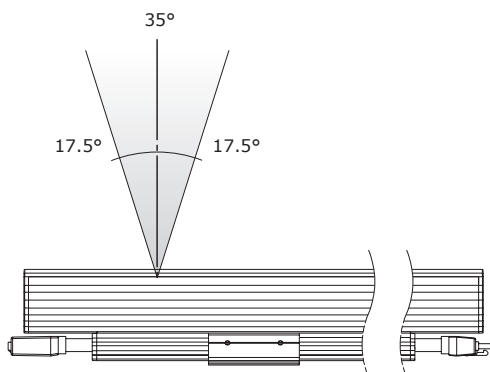
DISTRIBUTIONS



WWIX-XX-XX-XXX-6
6° x 6°

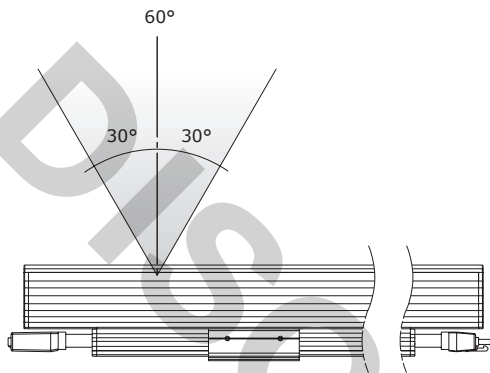


WWIX-XX-XX-XXX-10
10° x 60°

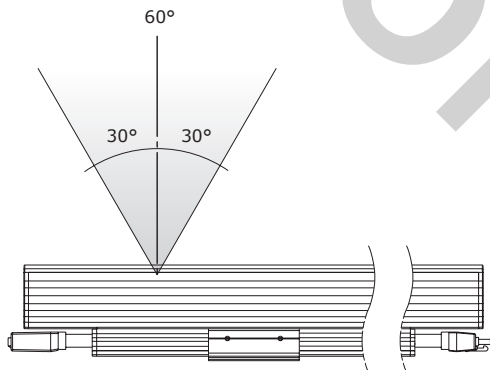


WWIX-XX-XX-XXX-17
17° x 35°

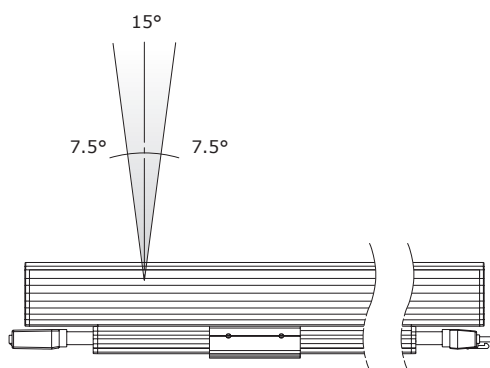
DISTRIBUTIONS



WWIX-XX-XX-XXX-30
30° x 60°



WWIX-XX-XX-XXX-60
60° x 60°



WWIX-XX-XX-XXX-6F
6° x 15°

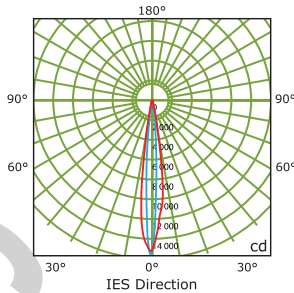
PHOTOMETRY CHARACTERISTICS

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

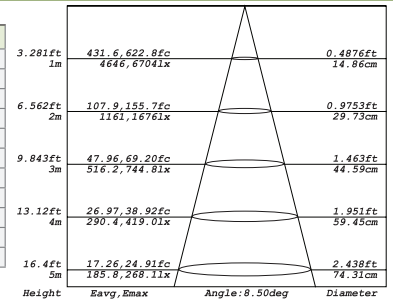
6°x 6°

Red

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) RED / 6°x 6°	
Total Rated Fixture Lumens	421
Total Luminaire Efficiency	100%
Total Input Watts	6.57W
Horizontal Beam Angle (50%)	8.8
Vertical Beam Angle (50%)	15.2
Horizontal Field Angle (10%)	19.7
Vertical Field Angle (10%)	25.7

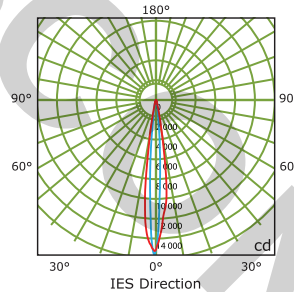


	0	22.5	45	67.5	90
0	5301.3	5391.1	5355.8	5418.5	5415.4
5	1345.5	1529.4	2093.6	3088.7	4575.8
15	167.9	183.2	204.2	252.7	274.3
25	36.9	38.3	42.7	50.8	55.8
35	14.2	15.5	17.8	18.4	19.1
45	7.3	8.7	12	12.2	11.7
55	3.6	3.4	5.4	7.4	7.8
65	4.8	1.8	2	3.2	3.4
75	3.2	1.6	0.6	0.9	1.1
85	0.7	2.3	0.2	0.2	0.2
90	0.4	0.9	0.2	0.1	0.1

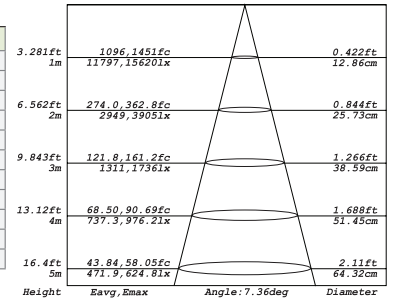


Green

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) GREEN / 6°x 6°	
Total Rated Fixture Lumens	854
Total Luminaire Efficiency	100%
Total Input Watts	11.9W
Horizontal Beam Angle (50%)	7.6
Vertical Beam Angle (50%)	14.7
Horizontal Field Angle (10%)	17
Vertical Field Angle (10%)	24.9

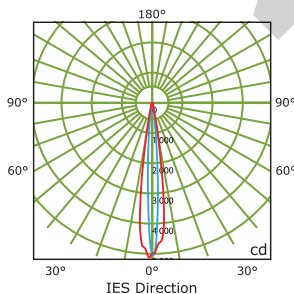


	0	22.5	45	67.5	90
0	15289.3	15187	15173	15130.5	15051.3
5	6553.8	7788.1	9942	12314.6	10900.3
15	543.3	566.8	593.5	693.9	638.2
25	95.8	96.8	113.7	125	124.3
35	38.6	34.6	37.9	40.2	39.6
45	18.9	17.9	22.9	24.1	23.6
55	10.9	8.6	12	16.8	17
65	7.2	4.9	4.9	8.4	8.4
75	5	3	2	2.8	3
85	2.7	1.9	1	0.7	0.6
90	1.9	1.4	0.8	0.4	0.2

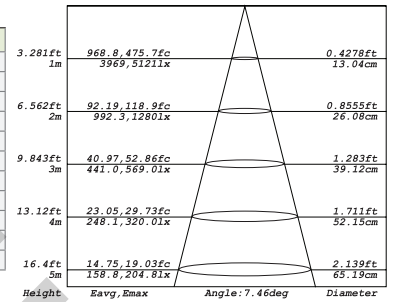


Blue

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) BLUE / 6°x 6°	
Total Rated Fixture Lumens	286
Total Luminaire Efficiency	100%
Total Input Watts	11.81W
Horizontal Beam Angle (50%)	16.4
Vertical Beam Angle (50%)	7.5
Horizontal Field Angle (10%)	24.4
Vertical Field Angle (10%)	16.2

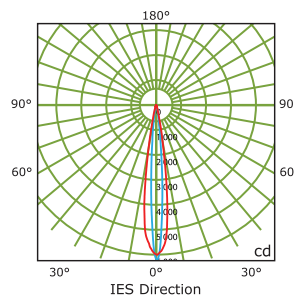


	0	22.5	45	67.5	90
0	5012.3	5017.06	5002.89	5009.37	4999.45
5	1432.26	1619.78	2174.75	3041.61	4286.27
15	143.04	151.34	169.93	202.67	204.53
25	27.82	28.7	31.87	38.89	41.92
35	10.34	11.24	12.83	13.7	14.46
45	5.23	5.73	7.96	9.03	8.97
55	2.63	2.63	4.13	6.26	6.61
65	3.34	1.57	1.51	2.45	2.87
75	1.82	1.54	0.51	0.72	1
85	0.63	1.91	0.31	0.17	0.18
90	0.34	0.48	0.44	0.09	0.05

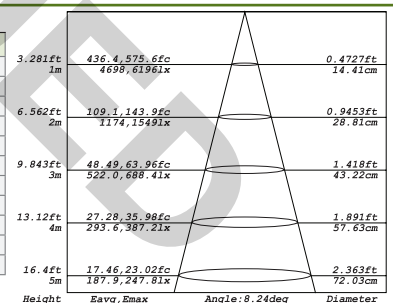


Amber

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) AMBER / 6°x 6°	
Total Rated Fixture Lumens	377
Total Luminaire Efficiency	100%
Total Input Watts	7.02W
Horizontal Beam Angle (50%)	15.9
Vertical Beam Angle (50%)	8.2
Horizontal Field Angle (10%)	25.5
Vertical Field Angle (10%)	18.1



	0	22.5	45	67.5	90
0	6174.25	6126.47	6075.7	6035.04	5988.71
5	2084.59	2327.33	2905.36	3858.92	4958.52
15	190.19	194.62	219.75	293.62	303.75
25	38.1	38.5	43.83	53.2	58.11
35	15.26	14.25	16.12	18.4	19.16
45	7.52	6.63	10.57	11.53	11.7
55	4.61	3.73	4.11	7.43	8.18
65	3.08	2.12	2.05	3.36	3.83
75	2.1	1.42	0.88	1	1.35
85	1.18	0.86	0.51	0.33	0.26
90	0.85	0.63	0.38	0.19	0.08



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