

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°	275 lm/LF	1100 lm	67.1lm/W		
	GREEN	6°x6°	675 lm/LF	2700 lm	86.2lm/W		
	BLUE	6°x6°	206 lm/LF	824 lm	26.8lm/W		
	AMBER	6°x6°	293 lm/LF	1172 lm	64lm/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	7W Typical (The Typical input power range allows for a +/-10% variation of all components) 8W Maximum (All fixtures are labelled with Maximum wattage)					
	Max Fixture Run Length	75' (22m) @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)					
PHYSICAL	Dimensions	W 2" x H 2.4" x L 12"/48" ; (50.2mm x 60.3mm x 308mm/1219mm)					
	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 Standard 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

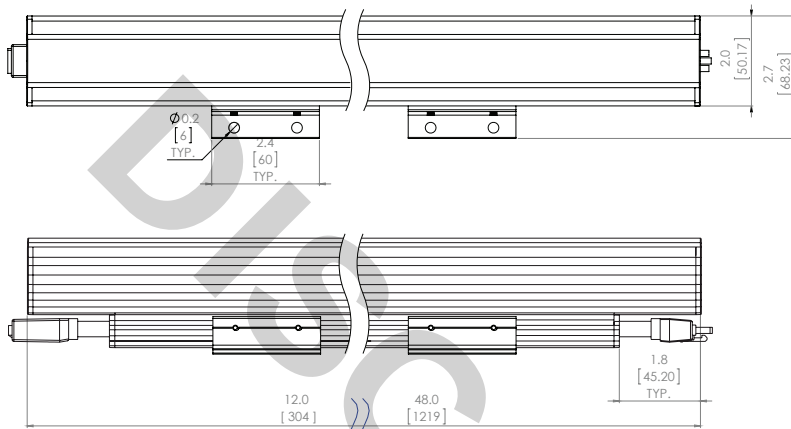
100-120VAC / 277VAC Linear Dimming Control Module 0-10V	LDCM-120-277-010V-GR
100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated	LDCM-PL-120-277-010V-GR

Mounting Options

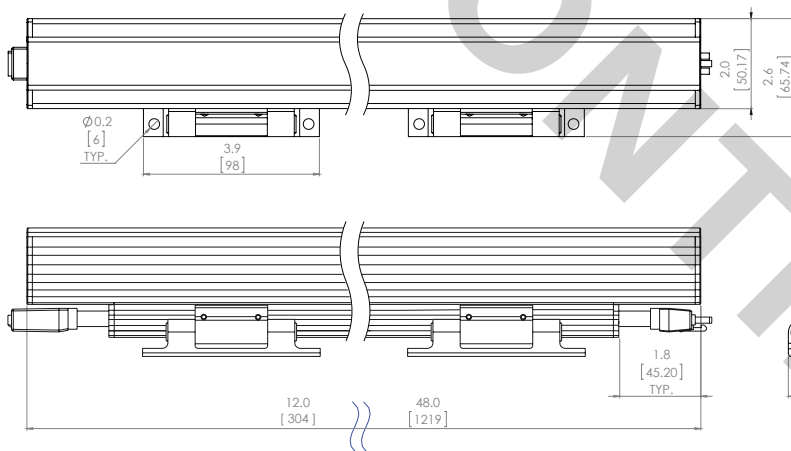
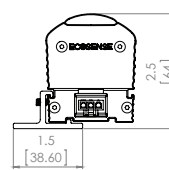
Flat Mounting Bracket, Interior Cove	INT-A-MNT-FLAT	Included Standard with each product length
Hinge Bracket, Interior Cove	INT-A-MNT-ADJ	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length
Snap On Clip, Interior Cove	WWI-A-MNT-STA	Order 2 (two) bracket per 12" length, and 2 (two)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

DIMENSIONS

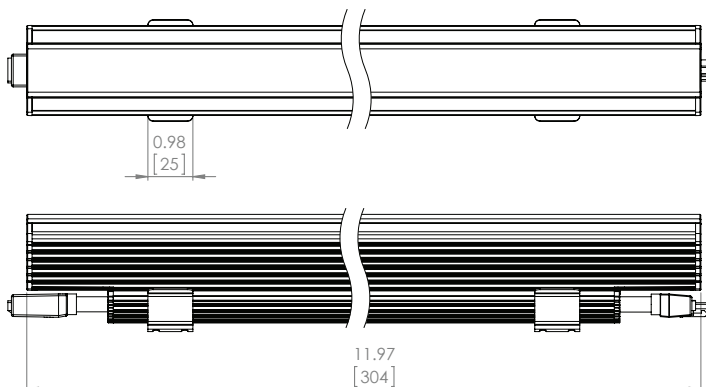
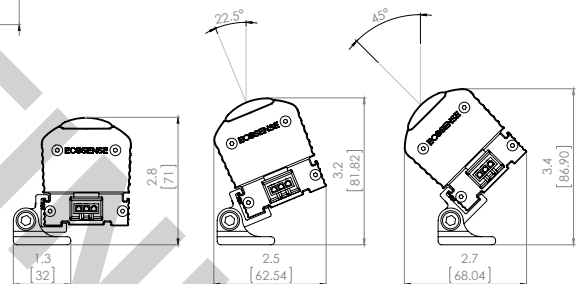
For complete dimensions and submittal drawings, please visit:
ecosenselighting.com



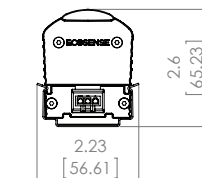
Flat Mounting Bracket - Direct Mount



Hinge Bracket - Direct Mount

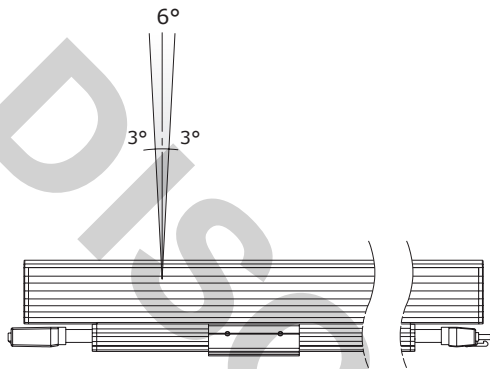


Snap On Clip - Direct Mount

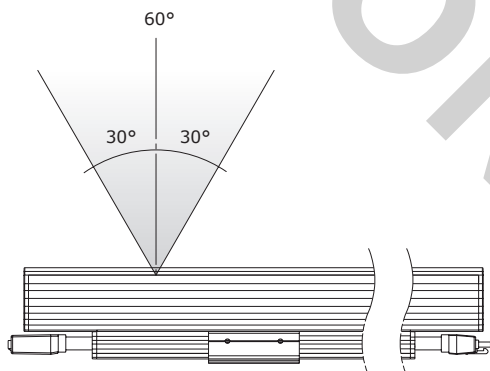
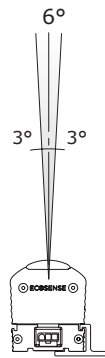


DIMENSION IN
 INCHES / [MM]

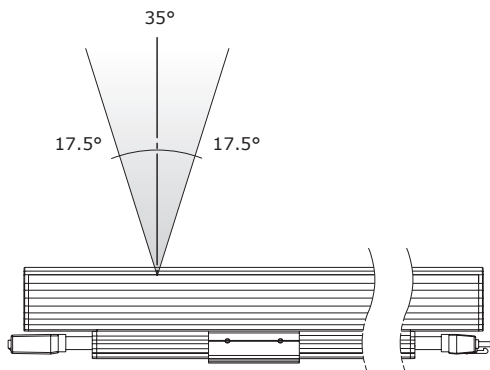
DISTRIBUTIONS



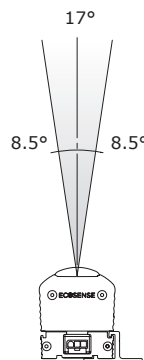
WWIX-XX-XX-XXX-6
6° x 6°



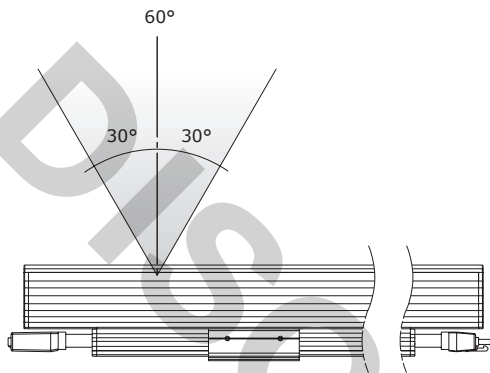
WWIX-XX-XX-XXX-10
10° x 60°



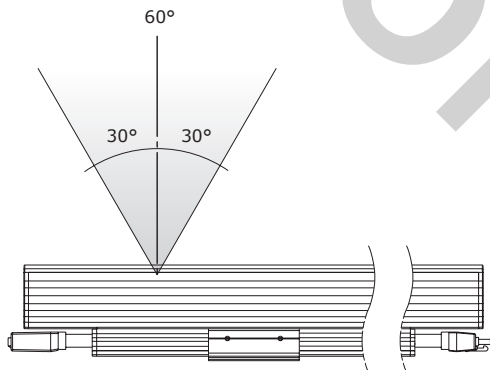
WWIX-XX-XX-XXX-17
17° x 35°



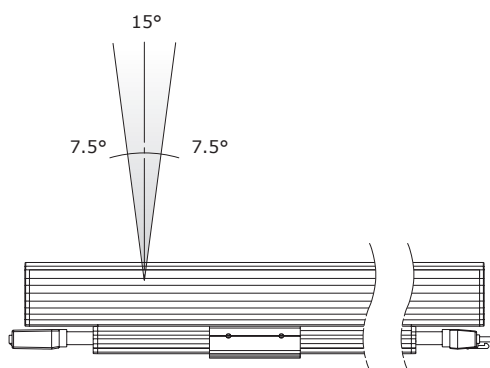
DISTRIBUTIONS



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

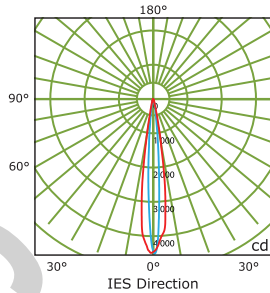
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6°x 6°

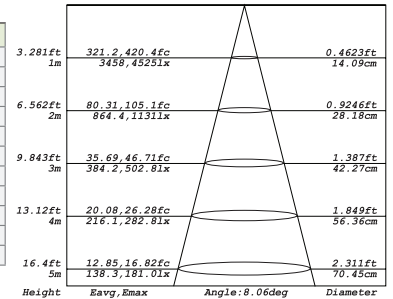
Red

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) RED / 6°x 6°

Total Rated Fixture Lumens	275
Total Luminaire Efficiency	100%
Total Input Watts	4.11W
Horizontal Beam Angle (50%)	16
Vertical Beam Angle (50%)	7.9
Horizontal Field Angle (10%)	25.2
Vertical Field Angle (10%)	18.3



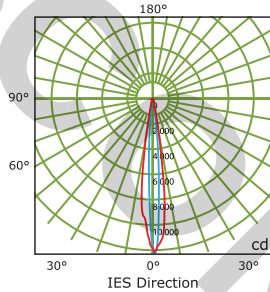
	0	22.5	45	67.5	90
0	4429.89	4456.91	4447.94	4461.74	4460.65
5	1420.79	1643.81	2163.01	3056.39	3816.75
15	141.13	153.66	171.62	221.65	235.1
25	27.8	29.25	33.7	40.59	42.05
35	9.96	10.74	12.63	13.56	13.43
45	5.07	5.61	7.82	8.74	8.13
55	2.45	2.34	3.3	5.38	5.44
65	3.47	1.68	1.26	1.84	2.26
75	1.82	1.47	0.42	0.5	0.71
85	0.44	1.03	0.39	0.11	0.12
90	0.25	0.3	0.6	0.06	0.03



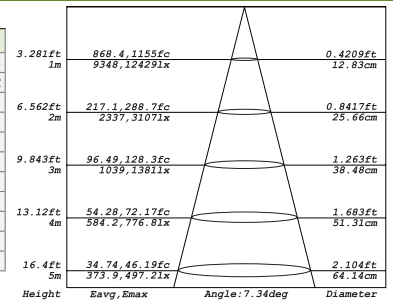
Green

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) GREEN / 6°x 6°

Total Rated Fixture Lumens	675
Total Luminaire Efficiency	100%
Total Input Watts	7.84W
Horizontal Beam Angle (50%)	15.5
Vertical Beam Angle (50%)	7.3
Horizontal Field Angle (10%)	24.8
Vertical Field Angle (10%)	16.5



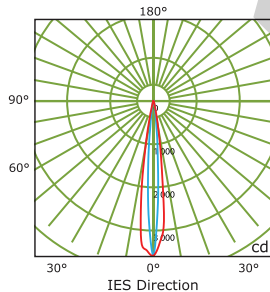
	0	22.5	45	67.5	90
0	11668.43	11787.92	11793.99	11802.73	11820.46
5	2940.1	3877.73	5136.12	7474.39	10266.72
15	296.38	323.31	373.84	506.54	529.9
25	63.11	64.95	72.47	89.5	96.61
35	23.33	24.74	29.82	31.59	32.8
45	12.41	14.74	20.54	22.44	22.27
55	5.54	5.45	9.6	13.75	14.75
65	6.88	3.2	3.01	5.05	5.76
75	4.09	2.91	0.89	1.36	1.84
85	1.3	3.91	0.54	0.29	0.33
90	0.84	1.17	0.74	0.15	0.08



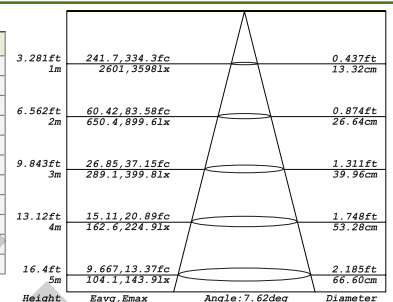
Blue

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) BLUE / 6°x 6°

Total Rated Fixture Lumens	206
Total Luminaire Efficiency	100%
Total Input Watts	7.69W
Horizontal Beam Angle (50%)	8.1
Vertical Beam Angle (50%)	15
Horizontal Field Angle (10%)	17.6
Vertical Field Angle (10%)	24.8



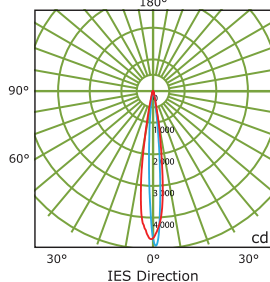
	0	22.5	45	67.5	90
0	2944.5	2860.4	2979.8	2965.5	2987.7
5	615.9	777.1	1169.2	1700.6	2618.9
15	79.1	86.9	103	119.5	133.8
25	17.8	17.9	20.2	23.8	26.9
35	6.8	7.5	8.7	9.2	9.6
45	3.6	4.3	5.9	6.2	6.1
55	1.9	1.8	3	4.2	4.3
65	2.2	0.9	1	1.8	1.9
75	1.4	0.8	0.3	0.5	0.6
85	0.4	1.3	0.1	0.1	0.1
90	0.2	0.5	0.1	0.1	0



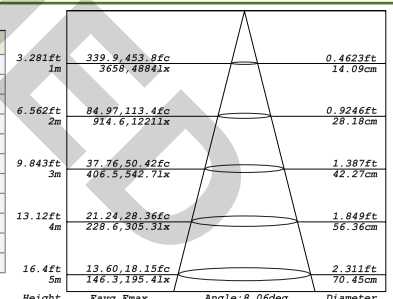
Amber

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) AMBER / 6°x 6°

Total Rated Fixture Lumens	293
Total Luminaire Efficiency	100%
Total Input Watts	4.59W
Horizontal Beam Angle (50%)	8.1
Vertical Beam Angle (50%)	15.3
Horizontal Field Angle (10%)	18.2
Vertical Field Angle (10%)	25.5



	0	22.5	45	67.5	90
0	4666.3	4674.3	4639.8	4659.8	4641.9
5	1323	1311.8	1673.7	2361.4	3454.7
15	127.7	125.8	140.4	191.8	215.2
25	27	27.3	29.1	35.9	38.5
35	10	10	13	12.9	13.2
45	5.3	5.5	7.3	8.9	8.3
55	2.4	2.3	3.3	5.4	5.7
65	3.2	1.7	1.2	1.9	2.4
75	1.8	1.5	0.4	0.4	0.7
85	0.5	1.1	0.5	0.1	0.1
90	0.3	0.3	0.7	0.1	0



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