ECOSENSE®

New Linear Series

DATE _____ TYPE

PROJ. _____

FIRM _____

EcoSpec® Linear HP INT Wall Wash - Standard Power

OVERVIEW / SPECIFICATION

EcoSpec® Linear HP INT WW - is the brightest interior luminaire in the product family boasting 909 lumens per foot. It 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** 12"	48"	**Efficacy (lm/W)**
	2700K	6°x6°	822 lm/LF	3,288 lm	72.6lm/W
	3000K	6°x6°	772 lm/LF	3,088 lm	65.9lm/W
	3500K	6°x6°	875 lm/LF	3,500 lm	74.2lm/W
	4000K	6°x6°	909 lm/LF	3,636 lm	78.5lm/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 >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/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	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)			
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:	Interior Fixed and Adjustable Hinge Brackets			
FIXTURE RATING & CERTIFICATIONS	**CE, ENEC, C-Tick Certified, CCC** **ETL Certified** **RoHS Compliant**				
LIMITED WARRANTY	**5 Years**				

**Energy Star is certified to WWIS-XX-XX-120-6 series.

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

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EcoSense Lighting Inc.
915 Wilshire Boulevard
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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

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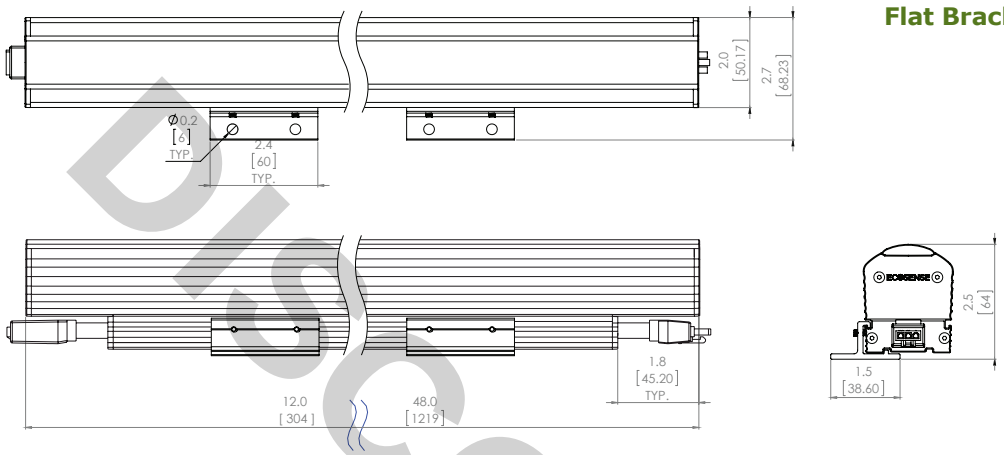
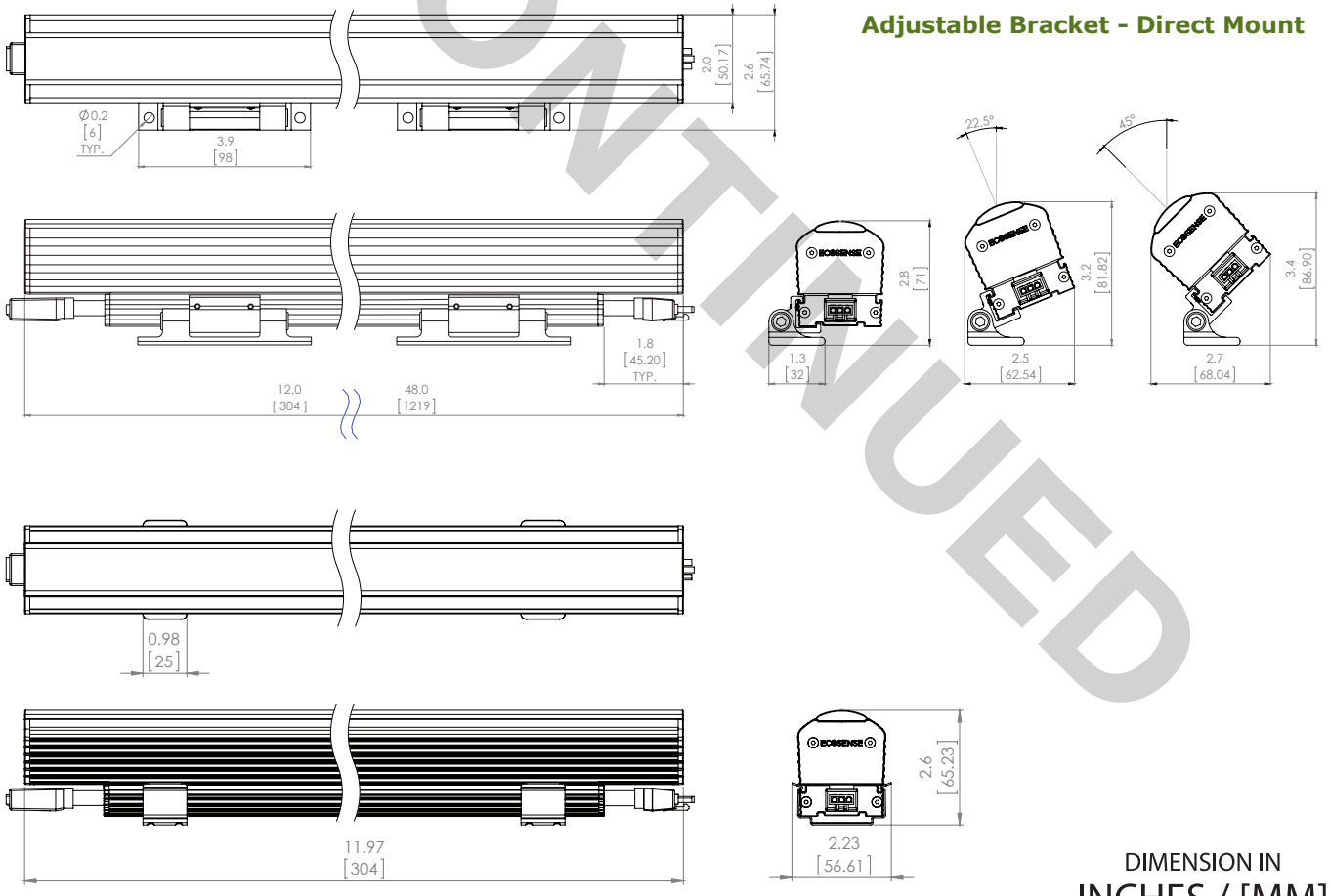
DIMENSIONS

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

Flat Bracket - Direct Mount



Adjustable Bracket - Direct Mount



DIMENSION IN INCHES / [MM]

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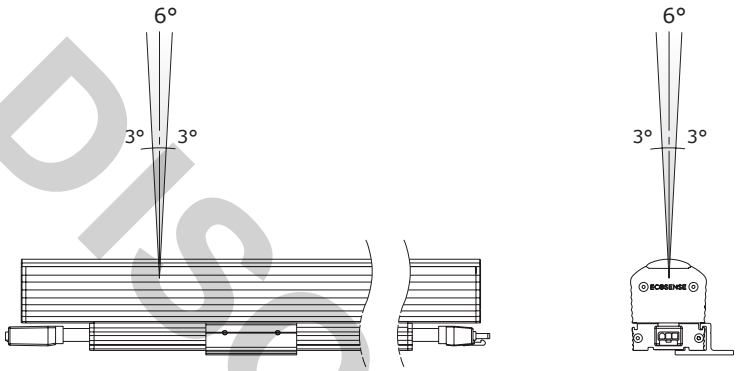
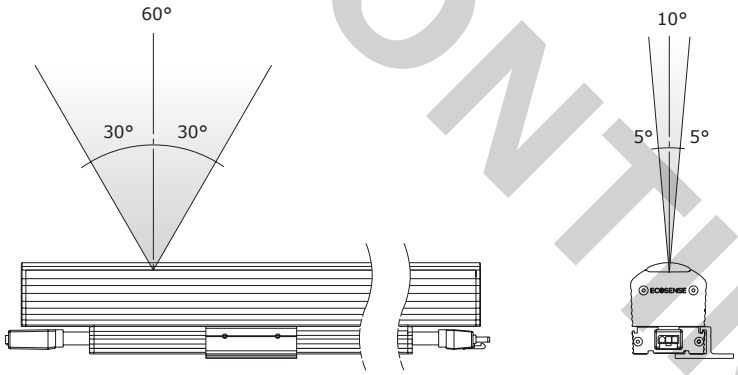
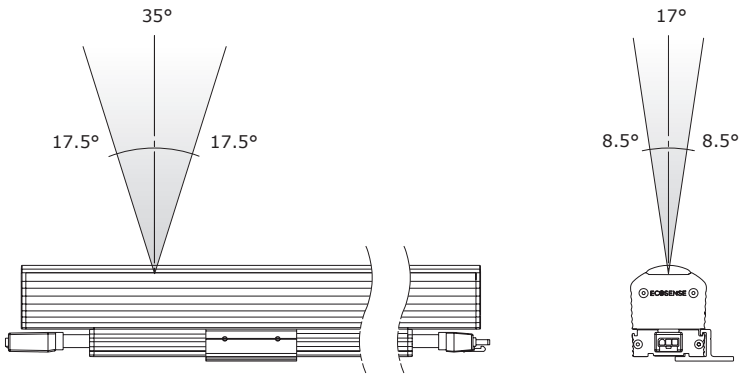


WWIS-XX-XX-XXX-6
6° x 6°



WWIS-XX-XX-XXX-10
10° x 60°



WWIS-XX-XX-XXX-17
17° x 35°

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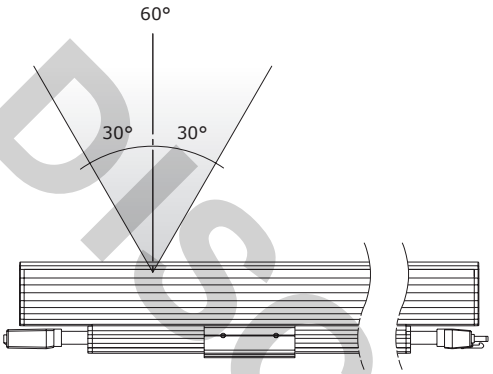
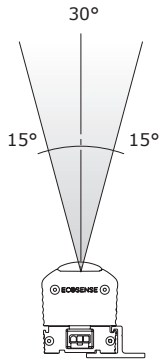
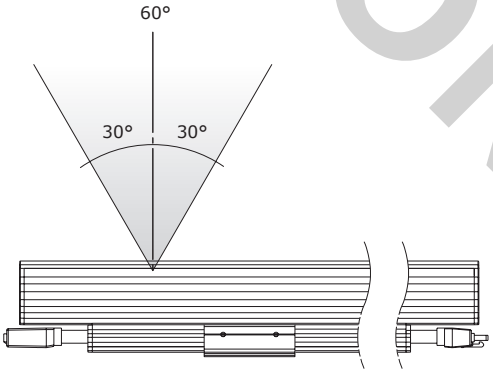
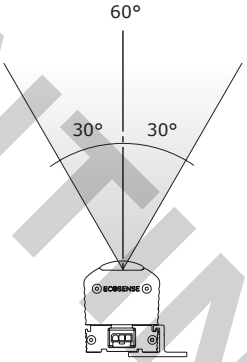


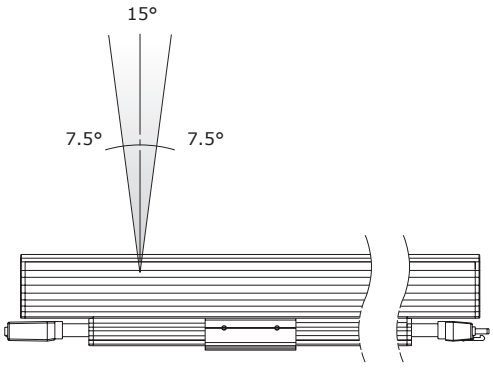


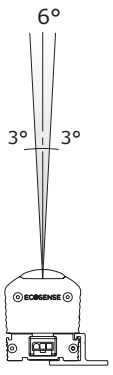
WWIS-XX-XX-XXX-30
30° x 60°





WWIS-XX-XX-XXX-60
60° x 60°





WWIS-XX-XX-XXX-6F
6° x 15°

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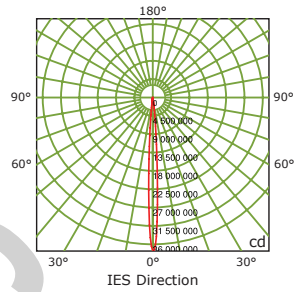
PHOTOMETRY CHARACTERISTICS

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

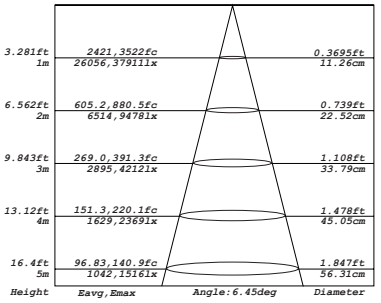
6°x 6°

2700K

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) 2700K / 6°X 6°	
Total Rated Fixture Lumens	822
Total Luminaire Efficiency	100%
Total Input Watts	11.33W
Horizontal Beam Angle (50%)	6.9
Vertical Beam Angle (50%)	6.5
Horizontal Field Angle (10%)	13.7
Vertical Field Angle (10%)	13.3

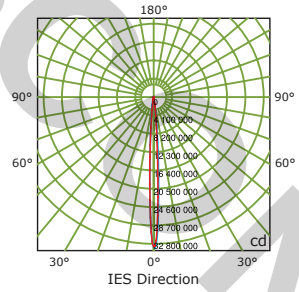


	0	22.5	45	67.5	90
0	37543.6	37387.9	37531	37435	37478.4
5	11488.6	11764.3	10883.8	10057.9	9078.6
15	211.2	218.6	227.1	211.5	199.6
25	60.5	60.3	57.7	58.9	60.5
35	27.6	28	29.1	26.6	29.3
45	19.2	20.8	18.9	14.8	15.6
55	15.9	14.2	10.8	7.5	8.5
65	8.7	7.4	4	4.2	6.6
75	2.9	1.9	1.4	3.5	4.1
85	0.5	0.2	0.6	4.2	1.4
90	0.1	0.1	0.8	1	1.1

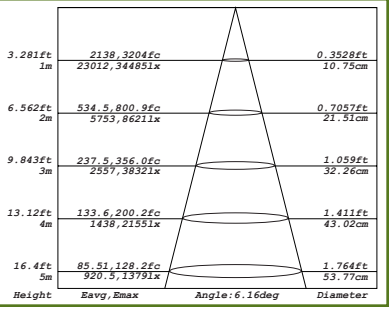


3000K

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) 3000K / 6°X 6°	
Total Rated Fixture Lumens	772
Total Luminaire Efficiency	100%
Total Input Watts	11.73W
Horizontal Beam Angle (50%)	6.7
Vertical Beam Angle (50%)	6.2
Horizontal Field Angle (10%)	14.2
Vertical Field Angle (10%)	13.6

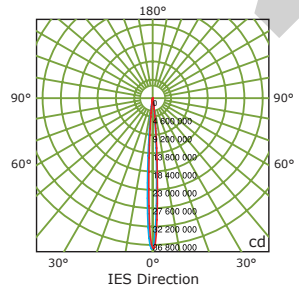


	0	22.5	45	67.5	90
0	34097.2	34174.7	34069.1	34128.6	34116.1
5	7330.2	7724.9	7482.8	7858.9	7991.8
15	227.1	269.7	278	238.6	220.9
25	50.1	51	49.3	52.2	56.1
35	33.1	33.2	32.8	35.9	41.7
45	21.1	22.8	20.9	14.9	14.2
55	17	14.3	10.1	6.9	8
65	7.4	5.5	3.5	3.8	6.3
75	2.3	1.4	1.2	3.4	4.2
85	0.4	0.3	0.6	4.8	1.3
90	0	0.1	0.6	0.8	1

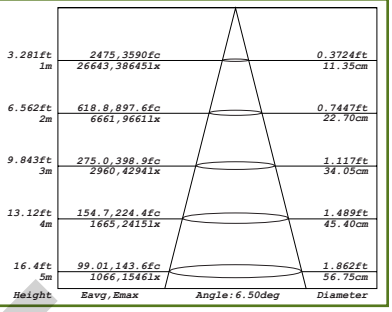


3500K

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) 3500K / 6°X 6°	
Total Rated Fixture Lumens	875
Total Luminaire Efficiency	100%
Total Input Watts	11.81W
Horizontal Beam Angle (50%)	6.9
Vertical Beam Angle (50%)	6.5
Horizontal Field Angle (10%)	14.3
Vertical Field Angle (10%)	13.6

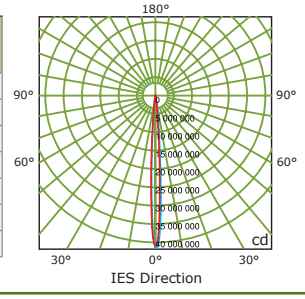


	0	22.5	45	67.5	90
0	38241.9	38104	38311.6	38179	38226
5	11837.2	12402.7	11910	11218.9	10026.5
15	231.6	248.5	250.4	219.2	210.6
25	61.5	60.9	58.9	60.9	61.5
35	28.6	28.6	29.2	27.2	28.6
45	20.6	20.6	18.1	14.3	14.9
55	17.7	14.3	10.7	7.6	8.7
65	9.1	7.5	4	4.2	6.8
75	2.9	1.9	1.4	3.5	3.9
85	0.6	0.3	0.6	3.8	1.4
90	0.1	0.1	0.7	1.0	1.1

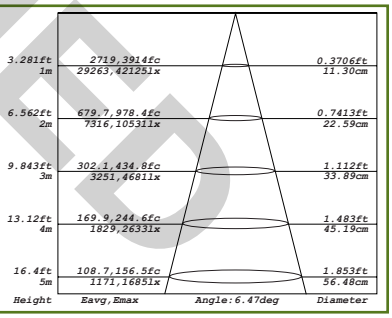


4000K

CHARACTERISTICS: LINEAR HP INT WW - SP (WWIS) 4000K / 6°X 6°	
Total Rated Fixture Lumens	909
Total Luminaire Efficiency	100%
Total Input Watts	11.59W
Horizontal Beam Angle (50%)	6.9
Vertical Beam Angle (50%)	6.5
Horizontal Field Angle (10%)	13.7
Vertical Field Angle (10%)	13.3



	0	22.5	45	67.5	90
0	41709.9	41810.7	41739.5	41784.1	41757.3
5	7960.1	8522.7	8448.3	8826.9	9016.4
15	191.9	208.2	228.2	222.2	218.9
25	53.8	54.2	54.5	58.5	64.3
35	27.8	28.1	31	27.6	30.2
45	21.1	22.6	21.6	15.9	16.1
55	17.4	15.8	11	7.7	9.3
65	8.3	6.6	4	4.3	7.3
75	2.6	1.6	1.3	3.7	4.3
85	0.4	0.3	0.6	6.3	1.4
90	0.1	0.1	0.7	1	1.2



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

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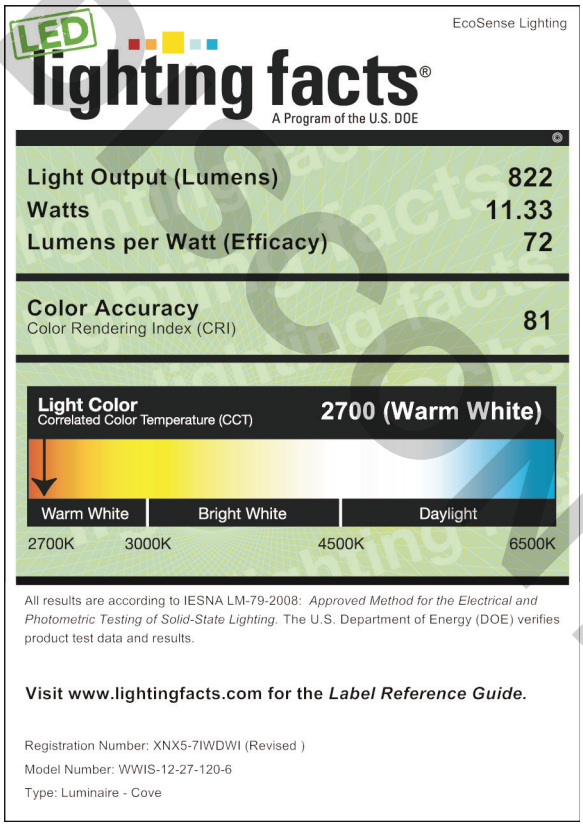
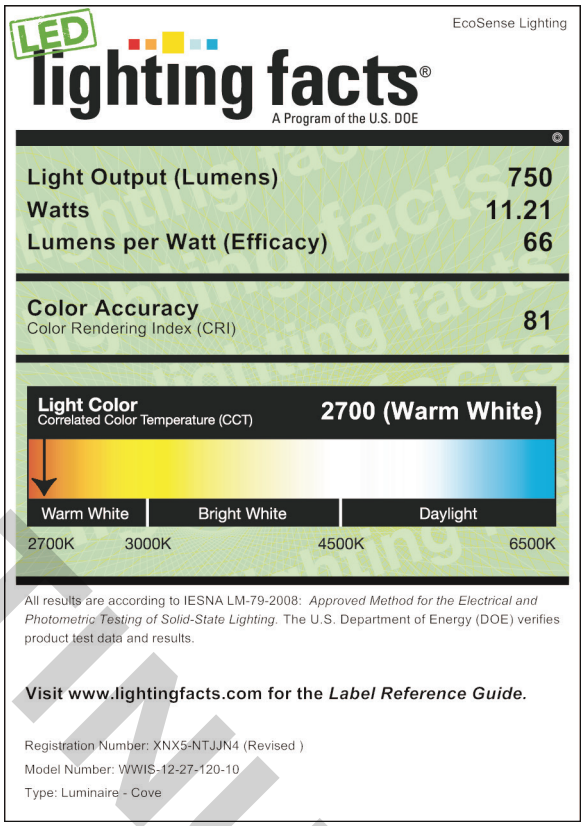
LIGHTING FACTS LABELS





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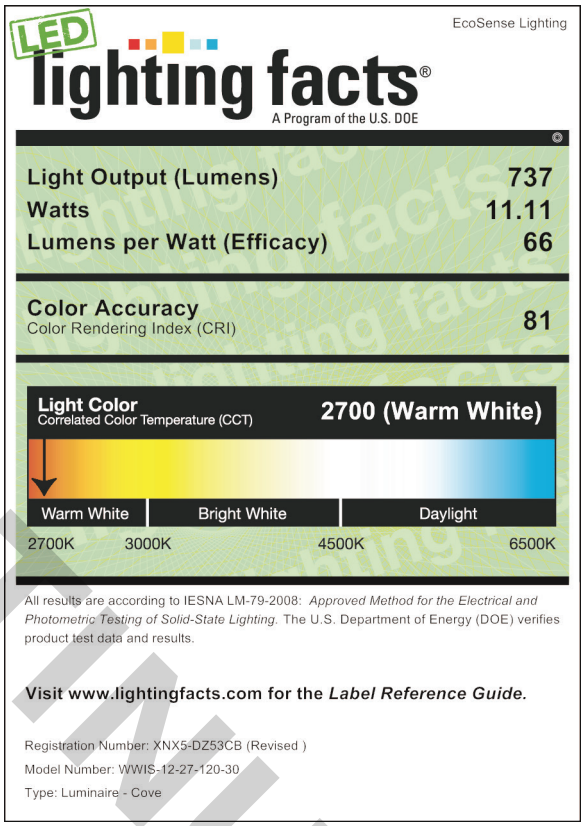

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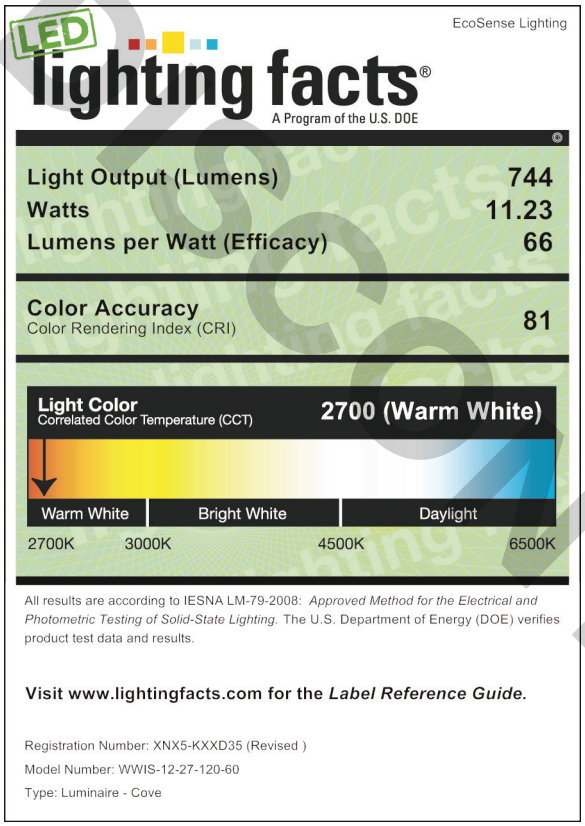
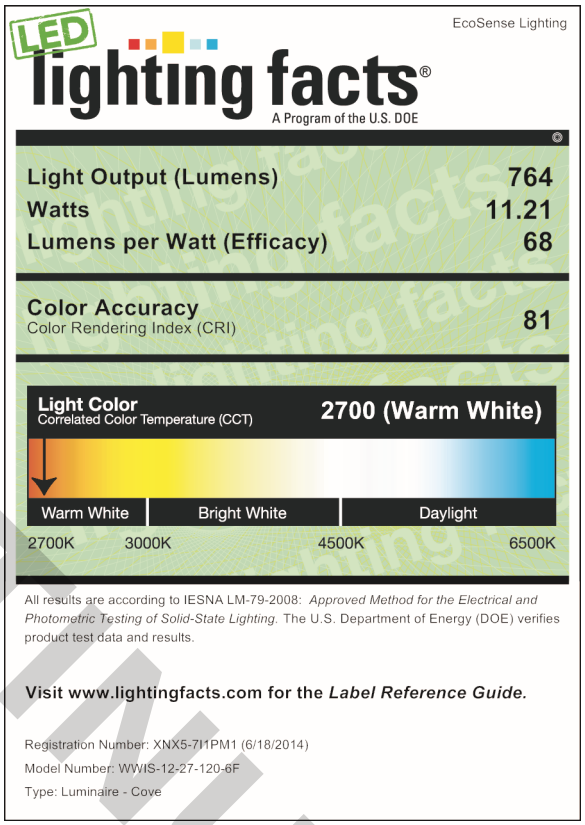
SPEC-WWIS-20140130-V1

LIGHTING FACTS LABELS





DISCONTINUED

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