

OVERVIEW / SPECIFICATION



EcoSpec® Linear HP INT WW - 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"	
2700K	6°x6°	567 lm/LF	2,268 lm	75.5lm/W
3000K	6°x6°	567 lm/LF	2,268 lm	75.5lm/W
3500K	6°x6°	632 lm/LF	2,528 lm	82.3lm/W
4000K	6°x6°	653 lm/LF	2,612 lm	87.1lm/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 >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/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

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

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

Energy Star



LIMITED WARRANTY

5 Years

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

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 (*W _{all} W _{ash} I _{nterior} S _{tandard} P _{ower}) WWIL - 48 - 40 - 120 - 6 (*W _{all} W _{ash} I _{nterior} L _{ow} P _{ower}) WWIS - 48 - 23 - 120 - 6 (*W _{all} W _{ash} I _{nterior} S _{tandard} P _{ower} W _{arm} C _{ove}) WWIL - 48 - 23 - 120 - 6 (*W _{all} W _{ash} I _{nterior} L _{ow} P _{ower} W _{arm} C _{ove}) # 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				

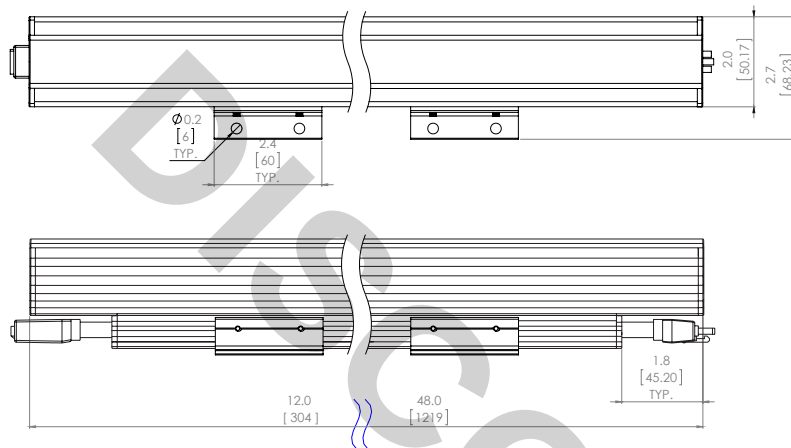
Wiring Options			
*INT Leader Cable, 3 Pin, 10ft, 110V	INT3P-A-LDR-120-10	INT Leader Cable, 3 Pin, 10ft, 220V	INT3P-A-LDR-220-10
INT Jumper Cable, 3 Pin, 5ft, 110V	INT3P-A-JMP-120-05	INT Jumper Cable, 3 Pin, 5ft, 220V	INT3P-A-JMP-220-05
INT Jumper Cable, 3 Pin, 1ft, 110V	INT3P-A-JMP-120-01	INT Jumper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

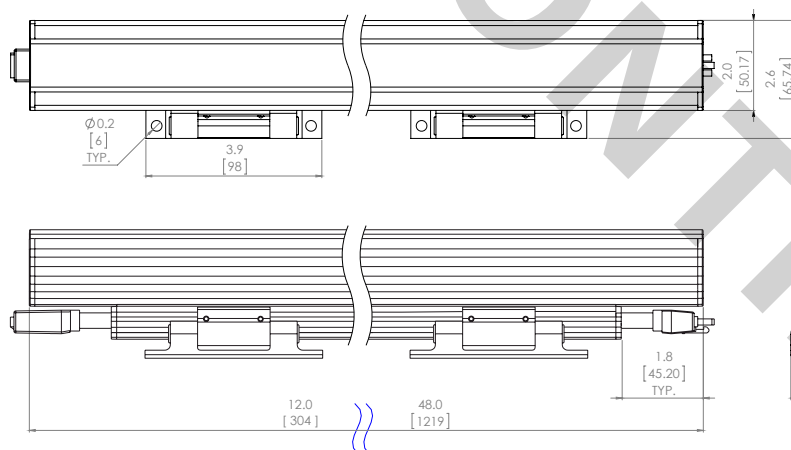
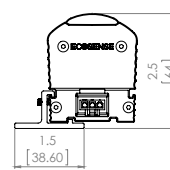
Mounting Options		
Flat Mounting Bracket, Interior Cove	INT-A-MNT-FLAT	Included Standard with each product length
Hinge Bracket, Interior Cove	INT-A-MNT-ADJ	Order 1 (one) bracket per 12" length, and 2 (two) brackets per 48" length
Snap On Clip, Interior Cove	WWI-A-MNT-STA	Order 2 (two) bracket per 12"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

DIMENSIONS

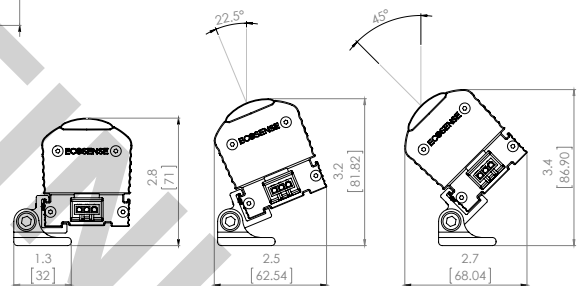
For complete dimensions and submittal drawings, please visit:
ecosenselighting.com



Flat Bracket - Direct Mount

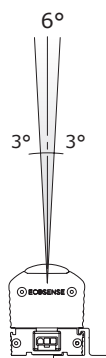
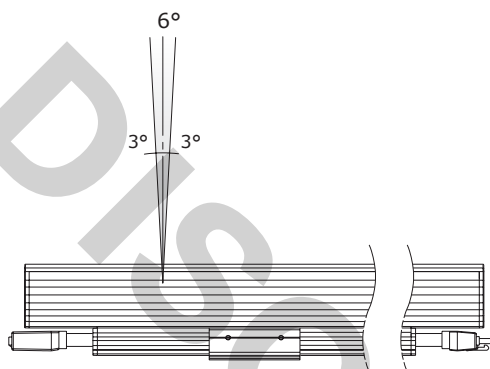


Adjustable Bracket - Direct Mount

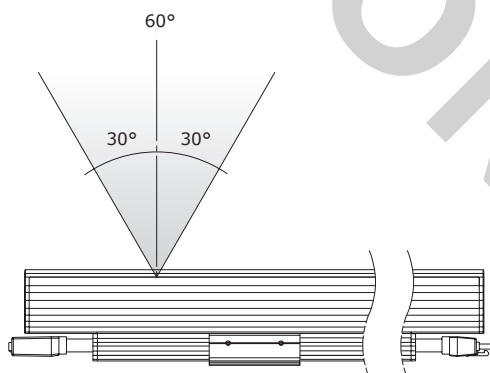


DIMENSION IN
 INCHES / [MM]

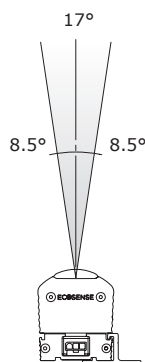
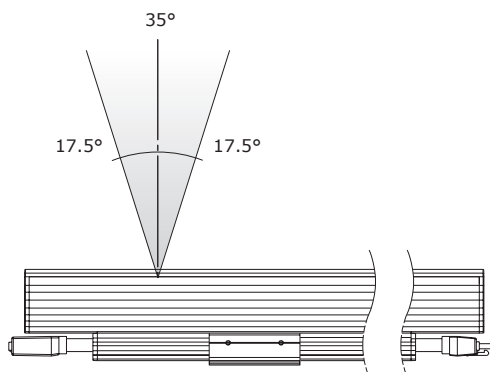
DISTRIBUTIONS



WWIL-XX-XX-XXX-6
6° x 6°

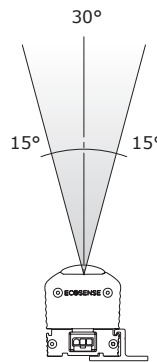
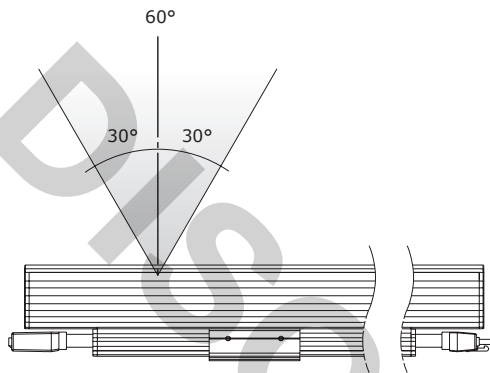


WWIL-XX-XX-XXX-10
10° x 60°

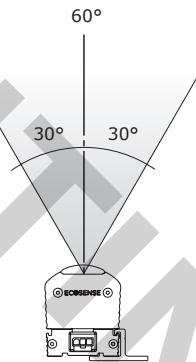
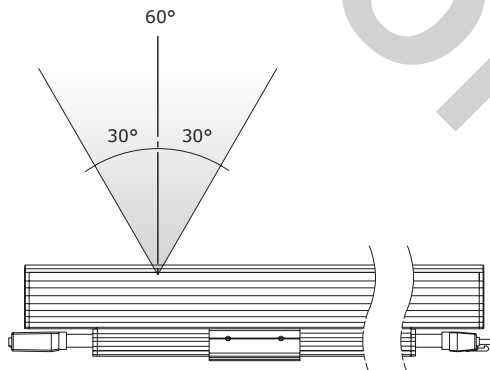


WWIL-XX-XX-XXX-17
17° x 35°

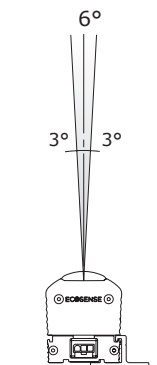
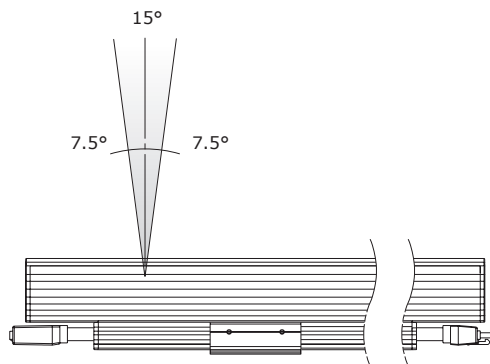
DISTRIBUTIONS



WWIL-XX-XX-XXX-30
30° x 60°



WWIL-XX-XX-XXX-60
60° x 60°



WWIL-XX-XX-XXX-6F
6° x 15°

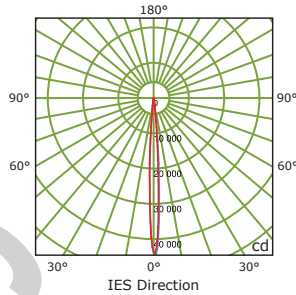
PHOTOMETRY CHARACTERISTICS

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

6°x 6°

2700K*

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) 2700K / 6°x 6°	
Total Rated Fixture Lumens	567
Total Luminaire Efficiency	100%
Total Input Watts	7.51W
Horizontal Beam Angle (50%)	6.9
Vertical Beam Angle (50%)	6.6
Horizontal Field Angle (10%)	14.3
Vertical Field Angle (10%)	13.6

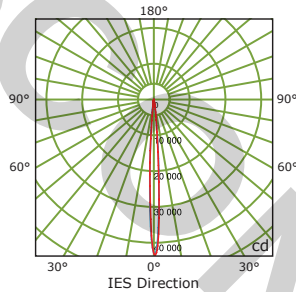


	0	22.5	45	67.5	90
0	24773	24781	24757.3	24755.6	24805.6
5	4426.6	4977.2	5159.7	6637.5	6174.4
15	134.6	152	156.7	149.3	144.9
25	34.5	35.5	36	39	40.7
35	17.7	18.1	19.1	17.4	19.8
45	13.1	13.6	12.5	9.7	9.9
55	11.2	10.3	7	5.1	6.1
65	5.5	4.4	2.7	2.6	4.3
75	1.7	1.1	0.9	2.4	2.7
85	0.3	0.1	0.5	2.7	1
90	0	0.1	0.5	0.6	0.7

3.281ft 1m	1604,2354fc 17263,253381lx	0.3683ft 11.23cm
6.562ft 2m	400,9,588,56c 4316,6334lx	0.7367ft 22.45cm
9.843ft 3m	178,2,261,6fc 1918,2815lx	1.105ft 33.68cm
13.12ft 4m	100,2,147,1fc 1079,1584lx	1.473ft 44.91cm
16.4ft 5m	64,15,94,16fc 690,5,1014lx	1.842ft 56.13cm
Height	Bavg, Bmax	Angle: 6.43deg Diameter

3000K

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) 3000K / 6°x 6°	
Total Rated Fixture Lumens	567
Total Luminaire Efficiency	100%
Total Input Watts	7.5W
Horizontal Beam Angle (50%)	6.8
Vertical Beam Angle (50%)	6.7
Horizontal Field Angle (10%)	14.1
Vertical Field Angle (10%)	13.9

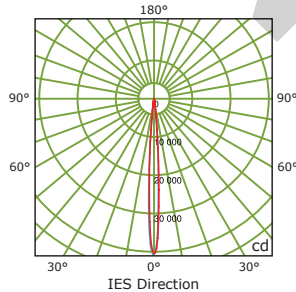


	0	22.5	45	67.5	90
0	24307.1	24307.2	24443.3	24264.3	24407
5	4874.4	6414.2	6038	7252.2	6589.1
15	151	173.5	192.7	173.9	160.9
25	35.3	36.5	36.1	38.2	40.3
35	18.1	18.9	20	17.4	18.9
45	14.2	15.2	14.1	10.4	10.2
55	11.9	10.5	7.4	5.1	6
65	5.5	4.3	2.7	2.7	4.6
75	1.7	1	0.9	2.4	2.9
85	0.3	0.1	0.4	3.2	1
90	0	0	0.5	0.6	0.7

3.281ft 1m	1575,2306fc 16958,548271lx	0.3718ft 11.33cm
6.562ft 2m	393,9,576,6fc 4239,62071lx	0.7436ft 22.66cm
9.843ft 3m	175,0,256,3fc 1884,27591lx	1.115ft 34.00cm
13.12ft 4m	98,46,144,2fc 1060,15521lx	1.487ft 45.33cm
16.4ft 5m	63,02,92,2fc 678,3,993,1lx	1.859ft 56.66cm
Height	Bavg, Bmax	Angle: 6.49deg Diameter

3500K

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) 3500K / 6°x 6°	
Total Rated Fixture Lumens	632
Total Luminaire Efficiency	100%
Total Input Watts	7.67W
Horizontal Beam Angle (50%)	7.1
Vertical Beam Angle (50%)	7.1
Horizontal Field Angle (10%)	14.3
Vertical Field Angle (10%)	14.2

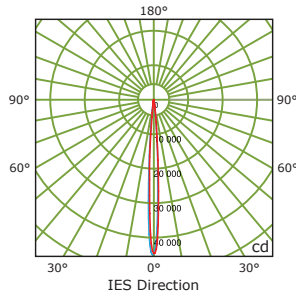


	0	22.5	45	67.5	90
0	25568.1	25446.8	25576.6	25457.4	25620.3
5	7372.8	8769.8	7244.3	8103.7	6510.6
15	166.2	174.3	161.8	173.3	166.6
25	42.2	42.1	41.7	43.5	44.7
35	19.9	20	21.1	19.3	21.5
45	13	13.8	12.8	10.2	10.9
55	11.8	10.3	7.4	5.5	6.5
65	6.1	5.5	2.9	2.9	5.1
75	1.9	1.3	1	2.5	2.9
85	0.4	0.2	0.5	2.8	1.1
90	0	0.1	0.5	0.7	0.9

3.281ft 1m	1711,2383fc 18413,256471lx	0.3965ft 12.08cm
6.562ft 2m	427,7,595,7fc 4603,64121lx	0.7929ft 24.17cm
9.843ft 3m	190,1,264,7fc 2046,28501lx	1.188ft 36.25cm
13.12ft 4m	106,9,148,9fc 1151,16031lx	1.586ft 48.34cm
16.4ft 5m	68,43,95,31fc 736,5,10261lx	1.982ft 60.42cm
Height	Bavg, Bmax	Angle: 6.92deg Diameter

4000K

CHARACTERISTICS: LINEAR HP INT WW - LP (WWIL) 4000K / 6°x 6°	
Total Rated Fixture Lumens	653
Total Luminaire Efficiency	100%
Total Input Watts	7.5W
Horizontal Beam Angle (50%)	6.8
Vertical Beam Angle (50%)	6.7
Horizontal Field Angle (10%)	13.6
Vertical Field Angle (10%)	13.6



	0	22.5	45	67.5	90
0	29206.6	29094.6	29181.2	29085.7	29185.3
5	8392.7	9945.9	8195	8842.2	7069.2
15	153	172.7	200.2	177.6	161.2
25	43.2	42.5	42.2	44.6	46.5
35	20.9	21	21.7	20.6	21.8
45	14.2	15.1	14.7	11.6	12.2
55	12.2	10.7	8	5.6	7.1
65	6.6	5.7	2.9	3.1	5.3
75	2	1.4	1	2.7	3.2
85	0.4	0.1	0.5	4.3	1
90	0.1	0.1	0.5	0.7	0.8

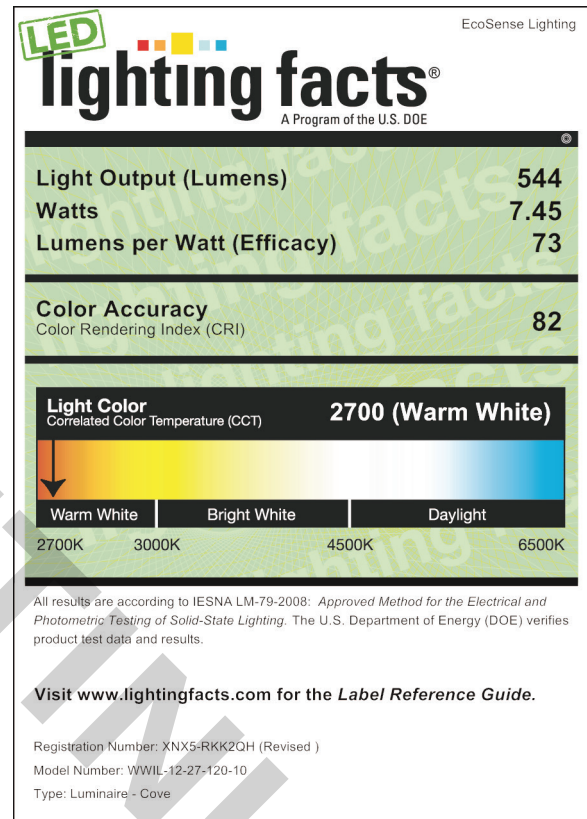
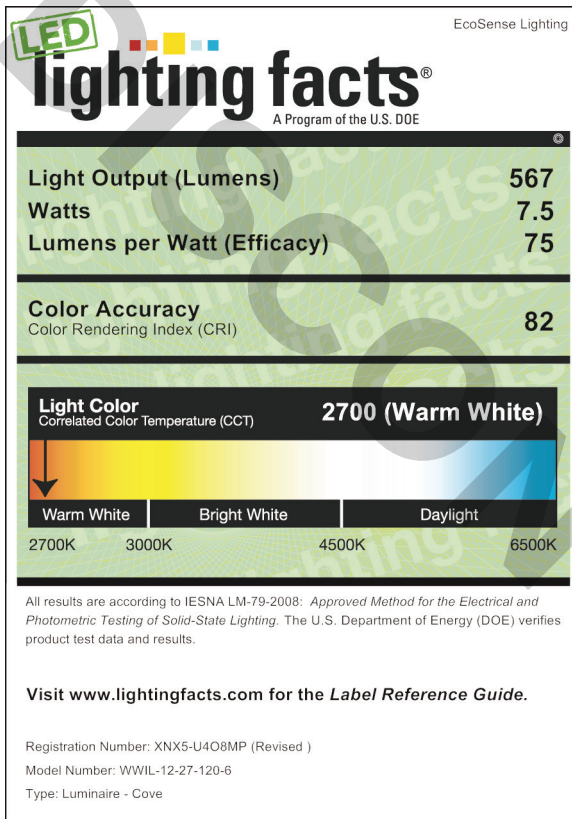
3.281ft 1m	1906,2735fc 20511,294331lx	0.3769ft 11.49cm
6.562ft 2m	476,4,683,6fc 5128,73591lx	0.7539ft 22.98cm
9.843ft 3m	211,7,303,8fc 2279,32711lx	1.131ft 34.47cm
13.12ft 4m	119,1,170,9fc 1282,18401lx	1.508ft 45.96cm
16.4ft 5m	76,22,109,4fc 820,4,11771lx	1.885ft 57.45cm
Height	Bavg, Bmax	Angle: 6.58deg Diameter

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

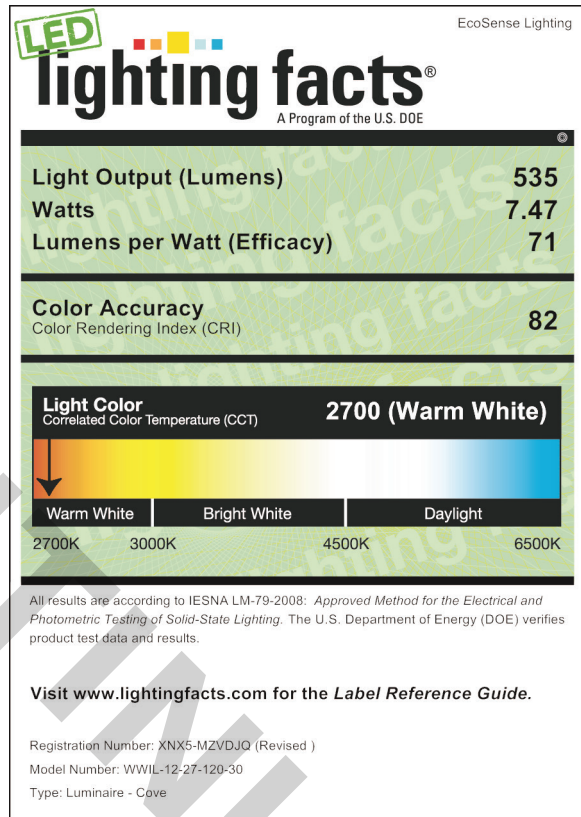
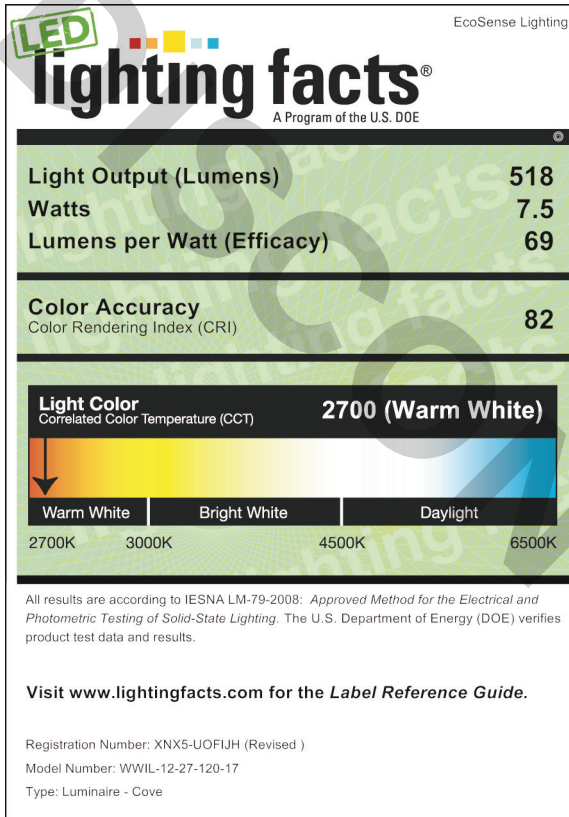
*Lumen measurements comply with IES LM-79-08.

IES data is available at www.ecosenselighting.com

LIGHTING FACTS LABELS



LIGHTING FACTS LABELS



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