ECOSENSE®

EcoSpec® Floodlight Wash 2.0

DATE _____ TYPE

PROJ. _____

FIRM _____

EcoSpec® Floodlight Wash 2.0 is a powerful architectural floodlight and landscape luminaire offering superior binning and a full range of optical solutions. The EcoSpec Floodlight Wash 2.0 is indoor and outdoor rated with a robust cast aluminum housing and glare control options that include flush or angled snoots.

The EcoSpec Floodlight Wash 2.0 offers field interchange able optical lenses in a wide range of beam angle distributions to allow for simple optical design modifications without the need to replace the entire fixture. The integral driver connects directly to AC, line voltage power, and is dimmable through ELV or TRIAC dimming hardware. This luminaire also has great flexibility with 150deg vertical aiming and 358deg horizontal rotation making it ideal for any application.

Features:

- **Dimmable: TRIAC / ELV (RP)**
- **Integral Driver / AC Power**
- **Flicker-Free**
- **Long Life (L70)**
- **Gore® Vent**
- **Field Interchangeable Accessory Lenses**
- **358° Horizontal Rotation**
- **190° Vertical Aiming**

DISCONTINUED

SPECIFICATIONS

PERFORMANCE	**Correlated Color Temperature (K)**	**Lumen Output** (IES Measurements)	**Efficacy** (lm/W)
	2700K	2889 lm	72.5 lm/W
	3000K	3033 lm	75.8 lm/W
	3500K	3127 lm	77.7 lm/W
	4000K	3230 lm	81.8 lm/W
	Color Rendering Index	Min. 80	
	Color Consistency	2 Step MacAdam Ellipse	
	Rated Life	L_{70}>100,000 hours @ 25°C* / L_{70} 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**	40W Typical, 45W Maximum (120VAC); 36W Typical, 45W Maximum (220VAC,277VAC)	
	Power Factor	Min. 0.90	
	Operating Voltage	100-120VAC, 220-240VAC, 277VAC (ETL), 50/60 Hz	
	Operating /Startup Temperature	-40°F to 122°F (-40°C to 50°C) [Storage: -40°F to 176°F (-40°C to 80°C)]	
CONTROL	**Dimming**	100-120VAC - TRIAC/ELV-RP*; 220-240VAC - TRIAC/ELV-RP*; 277VAC - ELV-RP*	
		*ELV-RP = Electronic Low Voltage, Reverse Phase	
PHYSICAL	**Dimensions**	W 10" x H 8.5" x L 6" (254mm x 216mm x 152mm)	
	Housing	Cast Aluminum; Clear Glass	
	Weight	6 lbs (2.7 kg)	
	Cable	Flying Lead	
	Shielding	Half Visor, Full Visor	
	Environment	Indoor / Outdoor; CE Certified IP66 / ETL Certified for Wet Locations	
	Beam Angle	Native: 11°x 11° / Accessory Lens: 20° / 30° / 40° / 60° / 80° / 10°x 60° / 30°x 60°	
	Mounting	Secure the fixture to the mounting surface	
FIXTURE RATING & CERTIFICATIONS	**CE, C-Tick Certified** **ETL Certified** **RoHS Compliant**	Intertek	
LIMITED WARRANTY	**5 Years**		

EcoSense Lighting Inc.
915 Wilshire Boulevard
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ORDERING INFORMATION

Choose the option that best suits your needs and write its corresponding code on the appropriate line to form the product code.

WSH-M2	-		-		-		-	11

MODEL	COLOR	VOLTAGE	FINISH	OPTIC
WSH-M2	**27** - 2700K	**120-IC** - 100-120VAC*	**BK** - Black	**11** - 11° x 11°
	30 - 3000K	**220-EC** - 220-240VAC**	**WH** - White	(Sealed Base Optic)
	35 - 3500K	**277-IC** - 277VAC*		
	40 - 4000K			

EXAMPLE: WSH-M2 - 30 - 120-IC - WH - 11

Mounting / Wiring Notes:

*** 120VAC / 277VAC**	1) Internal Cable with 8" Lead
**** 220VAC**	1) External Cable with 4'-0" (1.2m) Lead

Special Order Cable: Consult EcoSense Representative

120-EC	**External Cable** for 100-120VAC / 277VAC product (Example: WSH-M-CCT-**120-EC-**FINISH-11)
220-IC	**Internal Cable** for 220-240VAC product (Example: WSH-M-CCT-**220-IC-**FINISH-11)
277-EC	**External Cable** for 220-240VAC product (Example: WSH-M-CCT-**277-EC-**FINISH-11)

ACCESSORIES

Order accessories as separate catalogue numbers in addition to the product above.

Shielding Options			
Half Visor, Black	**WSH-M-HV-BK**	Full Visor, Black	**WSH-M-FV-BK**
Half Visor, White	**WSH-M-HV-WH**	Full Visor, White	**WSH-M-FV-WH**

Optical Film Lens (Light Shaping Diffuser)			
Optical Lens 20° x 20°	**WSH-M-LSD-20**	Optical Lens 30° x 30°	**WSH-M-LSD-30**
Optical Lens 40° x 40°	**WSH-M-LSD-40**	Optical Lens 80° x 80°	**WSH-M-LSD-80**
Optical Lens 60° x 60°	**WSH-M-LSD-60**	Optical Lens 30° x 60°	**WSH-M-LSD-30x60**
Optical Lens 10° x 60°	**WSH-M-LSD-10x60**		

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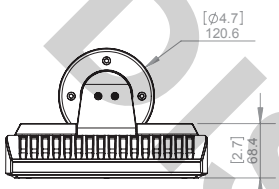
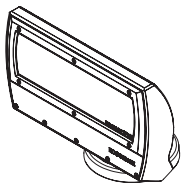
DIMENSIONS

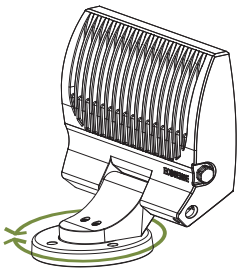
For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.

DISCONTINUED

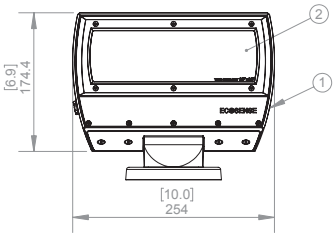
ADJUSTABLE AIMING 88º FORWARD & 105º REARWARD FROM VERTICAL. 358º HORIZONTAL ROTATION.

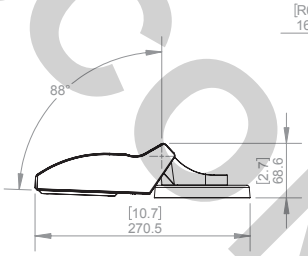


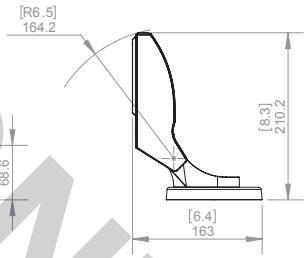


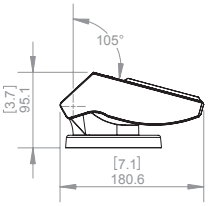


358° Horizontal Aiming

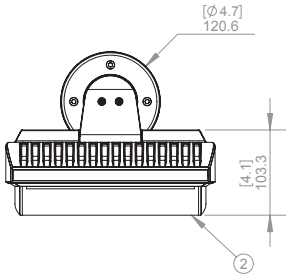


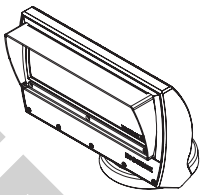


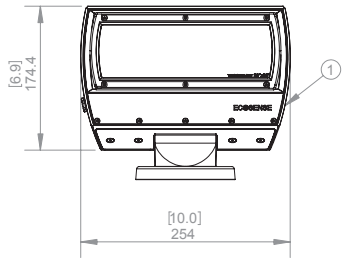


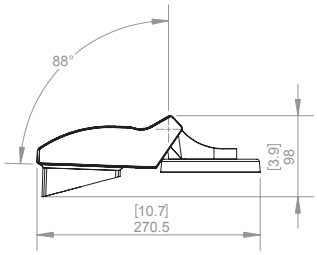


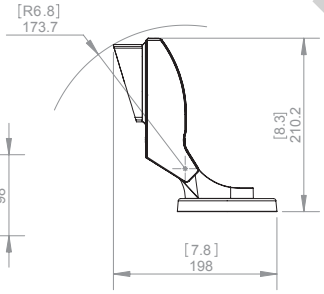
ACCESSORY HALF VISOR

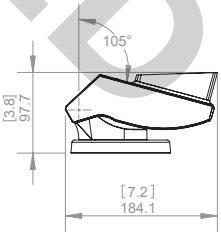












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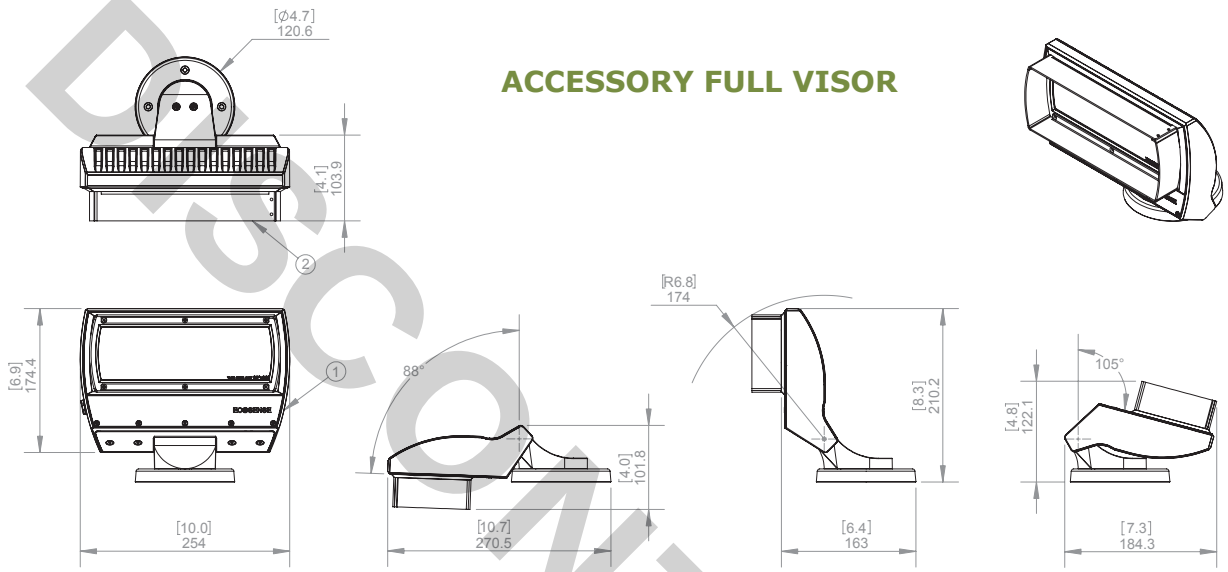
TYPE

DIMENSIONS

For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.



ACCESSORY FULL VISOR

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DIMENSION IN
[INCHES] / MM

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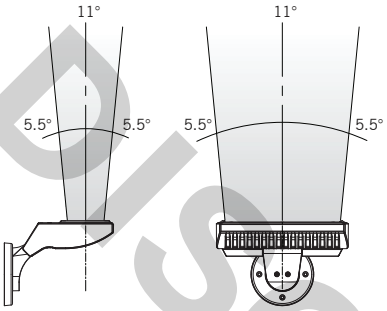
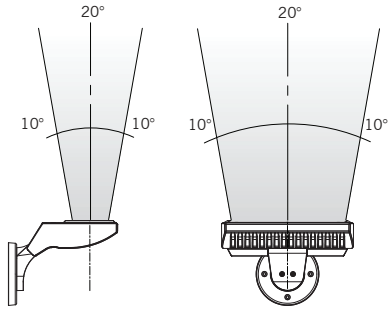
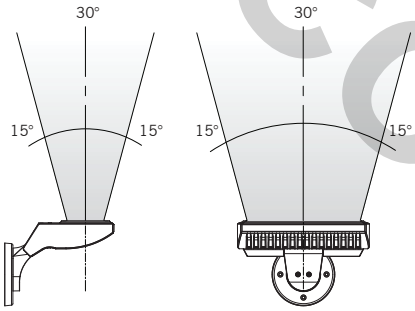
DISTRIBUTIONS



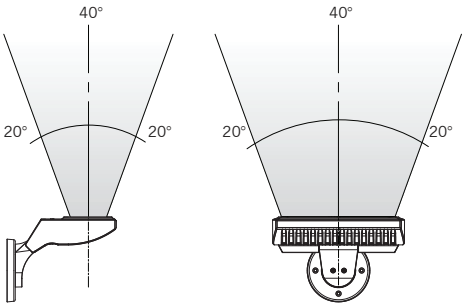
Native Distribution - Sealed within Fixture: **11° x 11°**



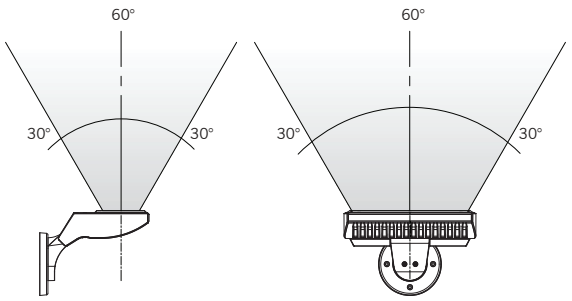
Accessory - Optical Film Panel*: **20° x 20° # WSH-M-LSD-20**



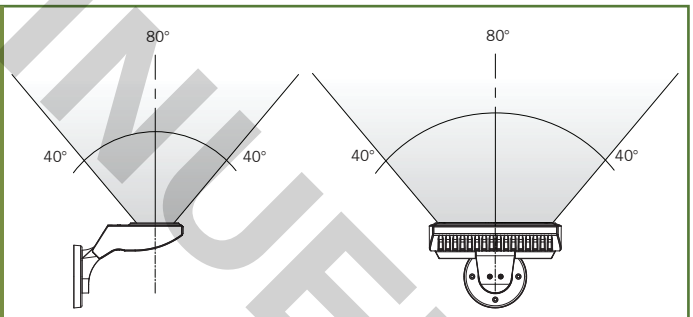
Accessory - Optical Film Panel: **30° x 30° # WSH-M-LSD-30**



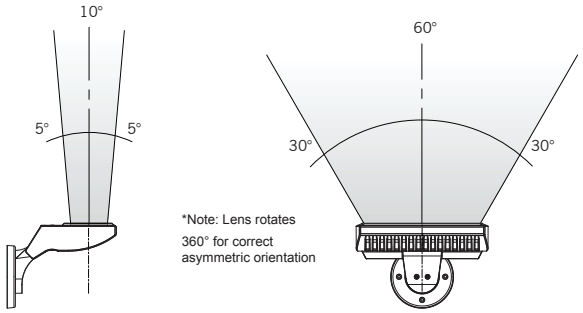
Accessory - Optical Film Panel: **40° x 40° # WSH-M-LSD-40**



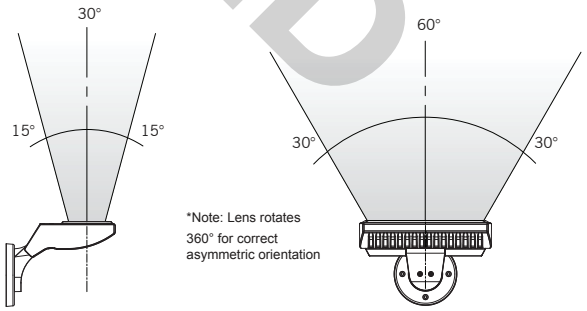
Accessory - Optical Film Panel: **60° x 60° # WSH-M-LSD-60**



Accessory - Optical Film Panel: **80° x 80° # WSH-M-LSD-80**



Accessory - Optical Film Panel*: **10° x 60° # WSH-M-LSD-10x60**



Accessory - Optical Film Panel*: **30° x 60° # WSH-M-LSD-30x60**

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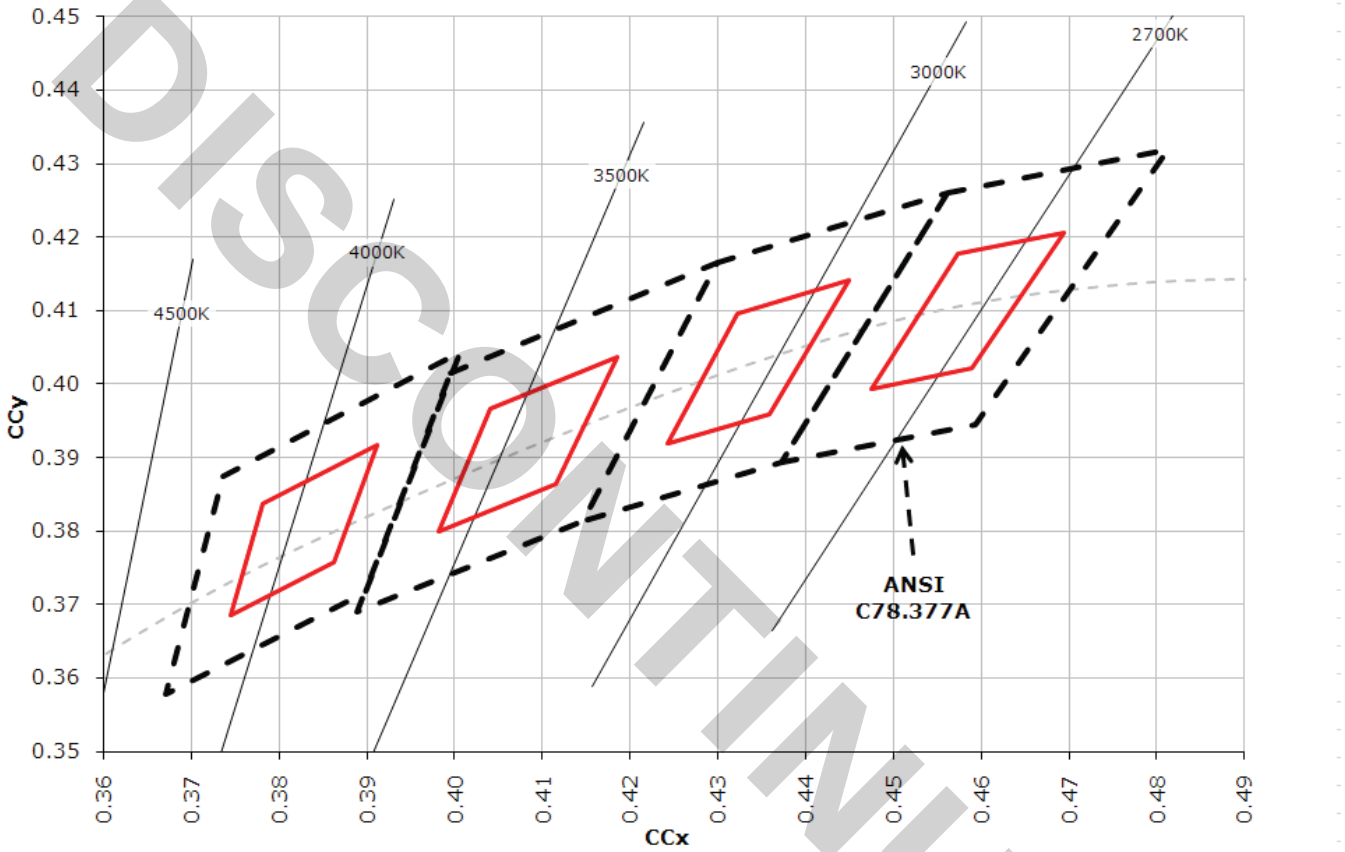
COLOR CONSISTENCY



DISCONTINUED

EcoSense Lighting boasts exceptional color consistency across all products as a result of strict LED binning methods. First, EcoSense works closely with LED manufacture(s) to secure LEDs from the tightest binning, selecting only LEDs that fall within a bin standard that is ¼ the size of ANSI Standard (C78.377A). Secondly, EcoSense applies an internal binning process that ensures even more reliability and even tighter LED bins for the final product. In these bins, color temperature will be maintained within 2 MacAdam Ellipse, ensuring the most consistent light quality. The result is beautiful, uniform color consistency from fixture to fixture.

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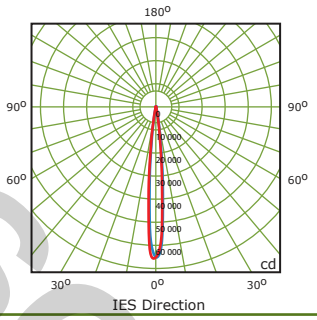
PHOTOMETRY CHARACTERISTICS

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

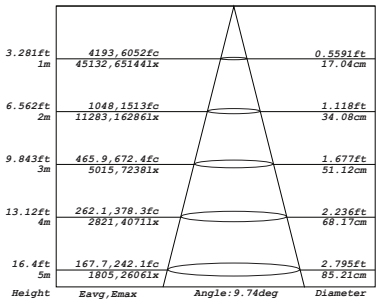
11°x 11°

2700K*

CHARACTERISTICS: Floodlight Wash 2.0 2700K / 11°X 11°	
Total Rated Fixture Lumens	2889
Total Luminaire Efficiency	100%
Total Input Watts	40W
Horizontal Beam Angle (50%)	10.1
Vertical Beam Angle (50%)	10.3
Horizontal Field Angle (10%)	19.8
Vertical Field Angle (10%)	19.4

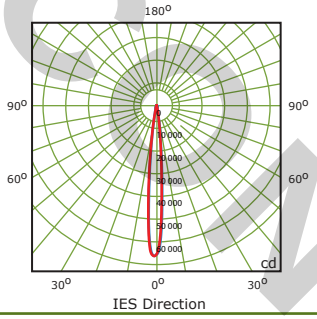


	0	15	45	60	90
0	61567	61421.6	61807.3	60863.3	61750.5
5	50287.7	54038.8	50672.2	45048.7	34946.2
15	1488.6	1913.8	1928.7	1526.6	1269.9
25	264.2	287.7	274	271	219.4
35	76.8	79.6	81.4	85.8	81.5
45	58.4	60.7	61.4	62	63.6
55	47.3	49.4	48.6	46.6	45.8
65	26.1	28.7	23.1	19.5	18.3
75	10.4	8.7	7.2	6.3	5.4
85	1.1	0.7	0.4	0.3	0.4
90	0	0	0	0	0

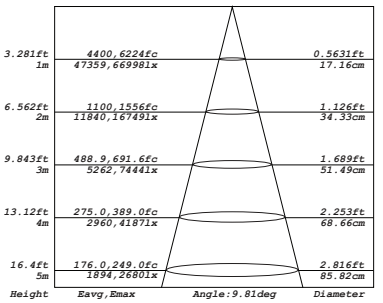


3000K

CHARACTERISTICS: Floodlight Wash 2.0 3000K / 11°X 11°	
Total Rated Fixture Lumens	3033
Total Luminaire Efficiency	100%
Total Input Watts	40W
Horizontal Beam Angle (50%)	10.1
Vertical Beam Angle (50%)	10.1
Horizontal Field Angle (10%)	19.9
Vertical Field Angle (10%)	19.7

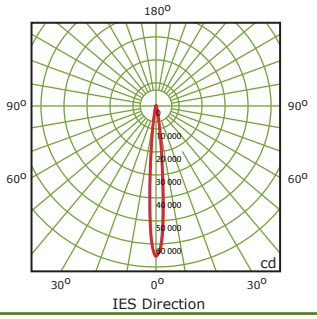


	0	15	45	60	90
0	65809.9	65425.3	65294.3	65242.9	65315.3
5	38541.9	35083.7	29447.7	26550.5	23196.1
15	1489	1354.9	1357	1175.3	974.4
25	268.8	263.3	232.8	220.1	195.5
35	104.1	101.6	100.2	98.7	93.8
45	76.5	76.3	77.8	78.1	75.7
55	49.3	47.5	49.7	48	44.9
65	19.2	17.4	21	21.1	19.4
75	5.4	4.9	5.2	6.5	6.6
85	0.3	0.1	0.2	0.2	0.4
90	0	0	0	0	0

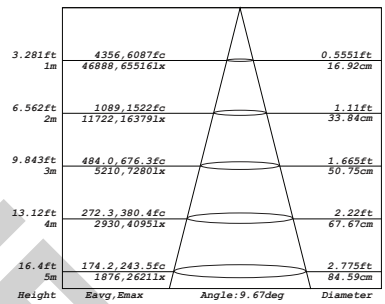


3500K

CHARACTERISTICS: Floodlight Wash 2.0 3500K / 11°X 11°	
Total Rated Fixture Lumens	3127
Total Luminaire Efficiency	100%
Total Input Watts	40W
Horizontal Beam Angle (50%)	9.7
Vertical Beam Angle (50%)	9.9
Horizontal Field Angle (10%)	20.6
Vertical Field Angle (10%)	20.6

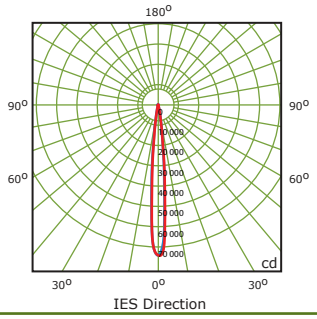


	0	15	45	60	90
0	65371.3	65370.3	65452.6	65297.5	65515.7
5	30567.8	33691.5	34191	36262.6	35342
15	1507.4	1779.9	1770.4	1713.1	1726.6
25	285	298	296	300.5	296.7
35	107.3	110.5	109.8	111.3	109.9
45	74.6	75	75.2	76.6	77.8
55	53.3	54.8	53.1	51.5	51.5
65	25.4	27.4	21.5	19.9	19.8
75	8.9	7.4	5.9	5.6	5.4
85	0.5	0.1	0.1	0	0.1
90	0	0	0	0	0

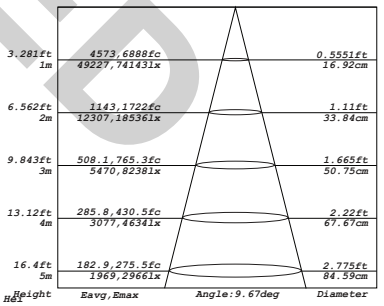


4000K

CHARACTERISTICS: Floodlight Wash 2.0 4000K / 11°X 11°	
Total Rated Fixture Lumens	3230
Total Luminaire Efficiency	100%
Total Input Watts	40W
Horizontal Beam Angle (50%)	9.6
Vertical Beam Angle (50%)	9.8
Horizontal Field Angle (10%)	19.7
Vertical Field Angle (10%)	19.6



	0	15	45	60	90
0	69688.3	69679.4	68308.7	69521.3	67507.2
5	30511.7	40796	51003.9	61547.5	63554.9
15	976.2	1368.6	2010.8	2198.4	2457.8
25	202.9	268	328.6	347.5	353.5
35	88.8	96.7	100.9	108.8	108.6
45	65.1	68.3	70.4	73.3	73.7
55	51.2	55.8	57.1	59.9	58.9
65	24	28.9	27	23.5	23.2
75	8	7.7	7.2	8.3	8.3
85	0.4	0.2	0.1	0	0.1
90	0	0	0	0	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

DISCONTINUED

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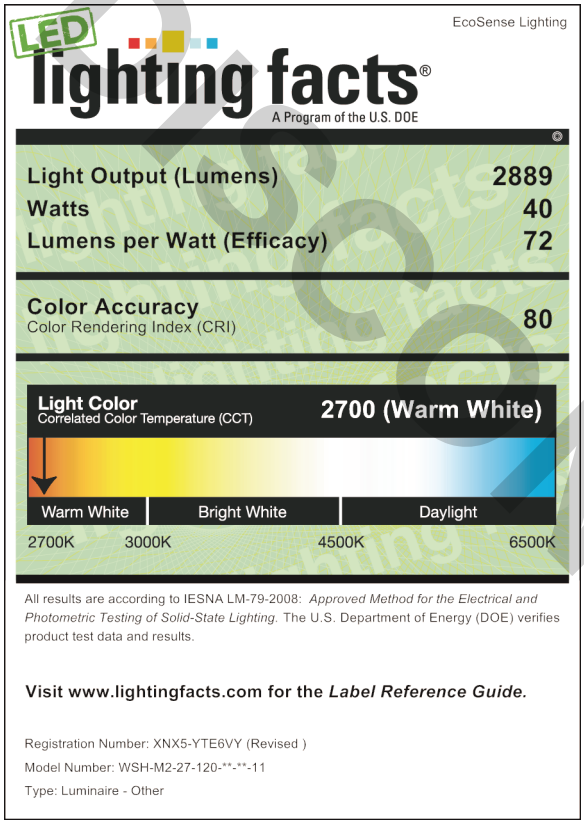
SPEC-WSH-M2-20140109-V1

LIGHTING FACTS LABELS



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