EVOLVE

ECLS Soffit
LED Canopy Light

The Evolve® Canopy LED Soffit (ECLS) offers energy efficiency and quality of light in a sleek low-profile look and style. The ECLS features a diffused aperture which spreads the source lumens for even light distribution and low glare. To be used for sealed deck applications only (enclosed canopy or soffit).

Construction

Housing:	Aluminum die cast enclosure. Integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze Gray, White (RAL & custom colors available)
Weight:	10 lbs (4.5 kg) - 12.5 lbs (5.7 kg)

Optical System

Lumens:	3,600 - 7,100
Distribution:	Symmetric Medium
Efficacy:	119 - 138 LPW
CCT:	3000K, 4000K, 5000K
CRI:	≥70

Electrical

Input Voltage:	120-277V & 347V
Input Frequency:	50/60Hz
Power Factor:	>90% at rated watts
Total Harmonic Distortion:	<20% at rated watts
Surge Protection:	Standard Surge 6kV/3kA

*Per ANSI C136.2-

Warranty

5 Year (Standard)

Lumen Maintenance

Projected Lxx per IES TM-21-11 at

LUMEN CODES	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
T5	L96	L92	L91
A5	L95	L93	L92
B5	L95	L93	L92

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Luminaire Ambient Temperature Factor

AMBIENT TEMP (ºC)	INITIAL FLUX FACTOR	AMBIENT TEMP (ºC)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00	50	0.97

Ratings

Operating Temperature:	-40ºC to 50ºC
Vibration:	1.5G per Per ANSI C136.31-2010:
LM-79:	Testing in accordance with IESNA Standards

Controls

Dimming:	Standard - 0-10V
Sensors:	Motion with Integrated Photoelectric control, Daintree Compatible

IP65 IK08

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CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

Ordering Information

ECLS   01   SM   7

_ _ _ _   _ _   _   _ _   _ _   _   _ _   _   _   _ _   _ _ _ _   _ _ _ _

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION[3]	CRI (MIN)	CCT	DIMMING	CONTROLS	MOUNTING	COLOR	OPTIONS
E = Evole	01	0 = 120-277V	T5 = 3,700 lm	SM = Symmetric Medium	7 = 70	30 = 3000K	1 = None Only Controls '1' available	1 = None	JM = J-Box Mount	BLCK = Black	SC = Side Conduit Holes
C = Canopy		D = 347V[1]	A5 = 5,400 lm			40 = 4000K	A = Wired to Control	A = Motion Sensor IR Program[2]	PM = Pendant Mount	DKBZ = Dark Bronze	XXX = Special Options
LS = Soffit			B5 = 7,100 lm			50 = 5000K	D = External Wired 0-10V/Leads Only Controls '1' available	B = Daintree Motion Sensor[2]	RM = Reccessed Mount	GRAY = Gray	Y = Coastal Finish[3]
									SM = Surface Mount		
									SB = Surface Mount w/ Beauty Plate	WHTE = White	

[1] **Not Available with Optical Code T5**
[2] **Requires Dimming Option A**
[3] **Reccomended for installations within 750 feet from coast. Lead time varies, check with factory.**

OPTICAL CODE	DIST CODE	TYPICAL LUMENS			TYPICAL SYSTEM WATTAGE	
		3000K	4000K	5000K	120-277V	347-480V
T5		3600	3700	3700	29	N/A
A5	SM	5200	5400	5400	39	43
B5		6900	7100	7100	54	58

For additional information on ECLS IES files, please click the following link: **ECLS IES Files**

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Current

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ECLS – Symmetric Medium

7,100 lumens, 5000K
ECLS01_B5SM750_.IES
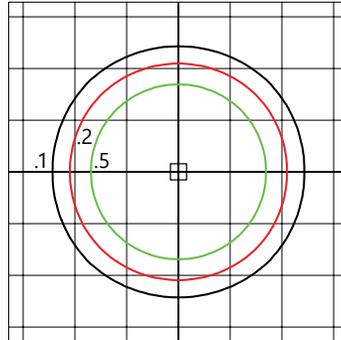
2708

- Mounting Height at 15'
- Initial Footcandle at Grade
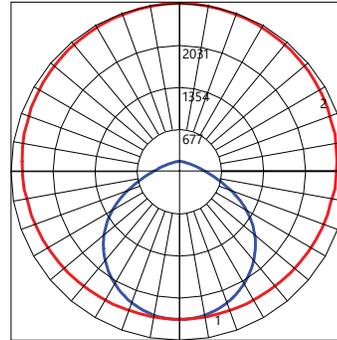
— Vertical plane through horizontal angle of Max. Cd at 90°

— Horizontal cone through vertical angle of Max. Cd at 1°

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Surface Mount: SM

TOTAL WEIGHT (LBS.): 10.1
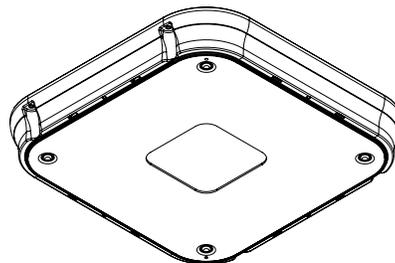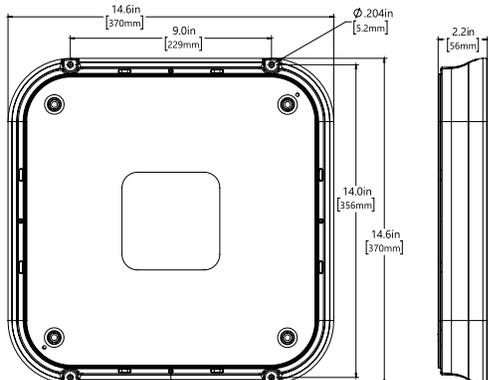
Surface Mount with Beauty Plate: SB

TOTAL WEIGHT (LBS.): 10.7
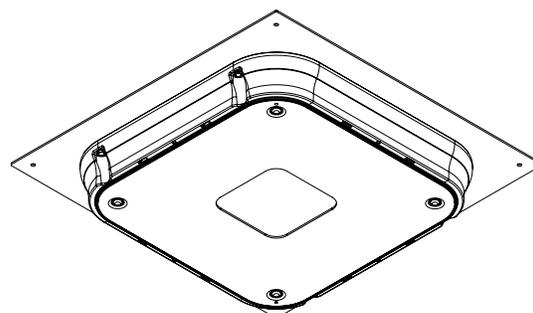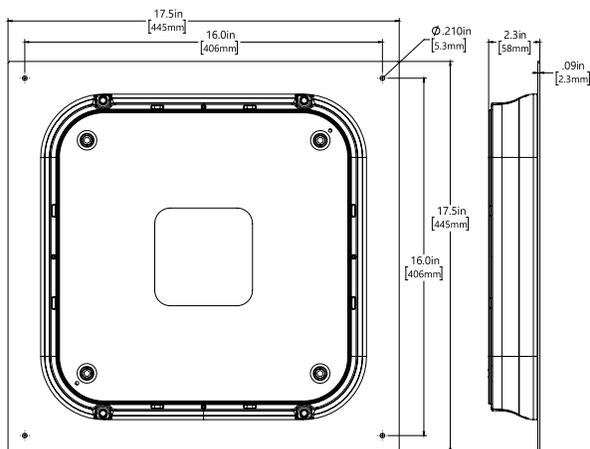
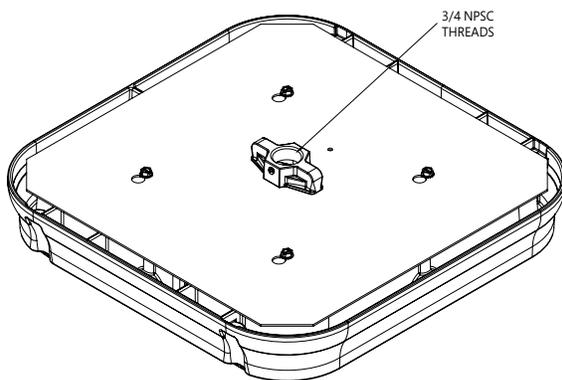

Recessed Mount: RM

TOTAL WEIGHT (LBS.): 12.4
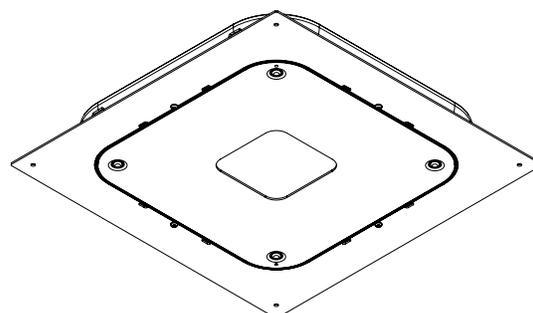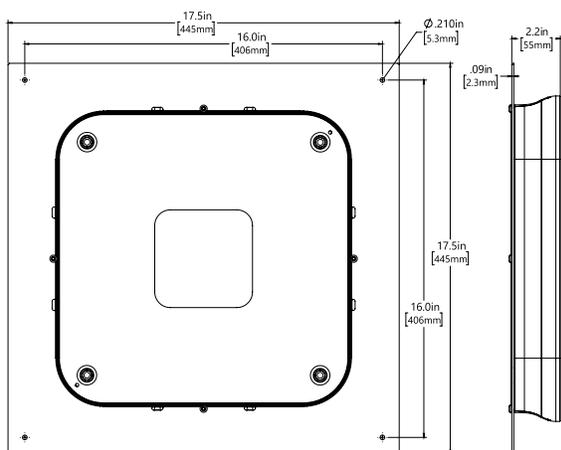
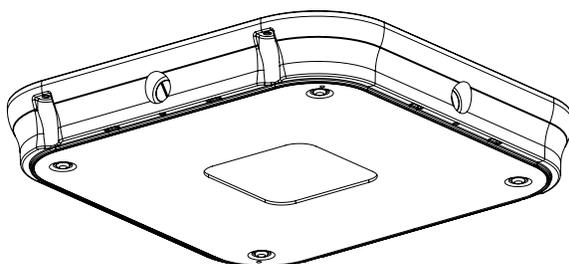## J-Box Mount (JM) for 3" or 4" J-box
Total Weight (lbs.): 11.1
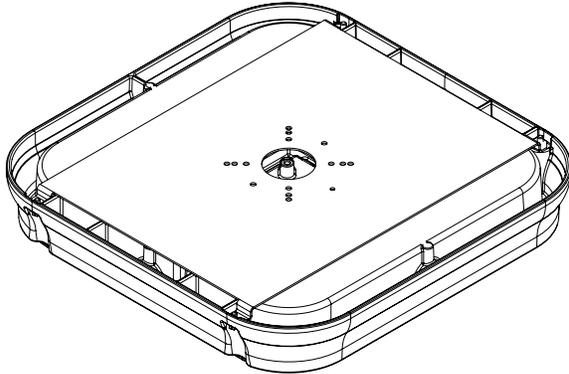
## Pendant Mount (PM) *for rigid conduit only
Total Weight (lbs.): 11.5

3/4 NPSC THREADS

3.0 in [77 mm]
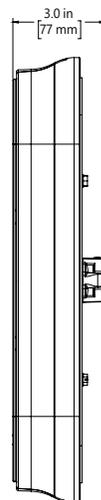
Side Conduit Holes: SC
Total Weight (lbs.): XX

Ø.204 in [5.2 mm]

14.6 in [370 mm]

9.0 in [229 mm]

1/2-14 NPSM THREADS

14.0 in [356 mm]

14.6 in [370 mm]

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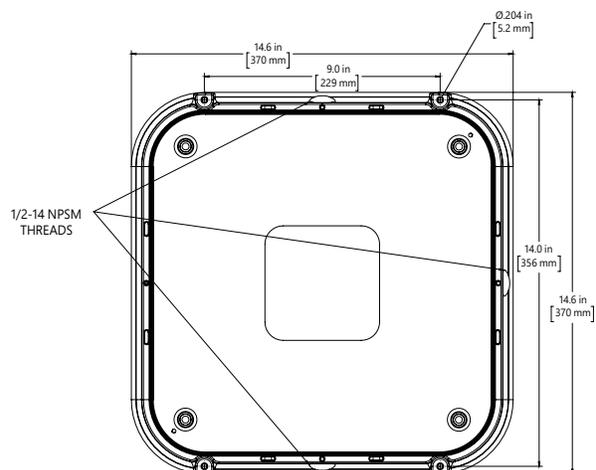
A Motion Sensing Option - Wattstopper: Sensor FSP-211, Lens FSP-L2

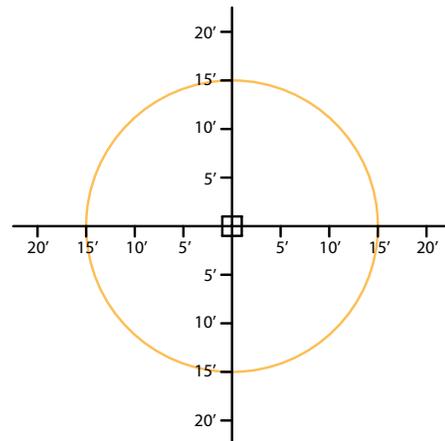|	
Recommended Mounting Height:	8-25'
Coverage Radius:	15-20' (4.6-6.1 m)
Lateral Coverage	360°
Default Settings:	
Output:	Occupied - 100% / Unoccupied - 50%
PE Sensor:	Enabled
Ramp/Fade:	5 Minutes/5 Minutes
	Adds < 1W to fixture power rating
	Field programmable using FSIR-100 hand held programmer

3.3 in [83mm]
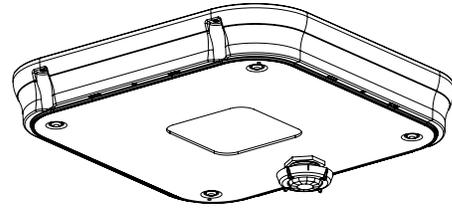
B Motion Sensing Option - Daintree: WHS100-BM

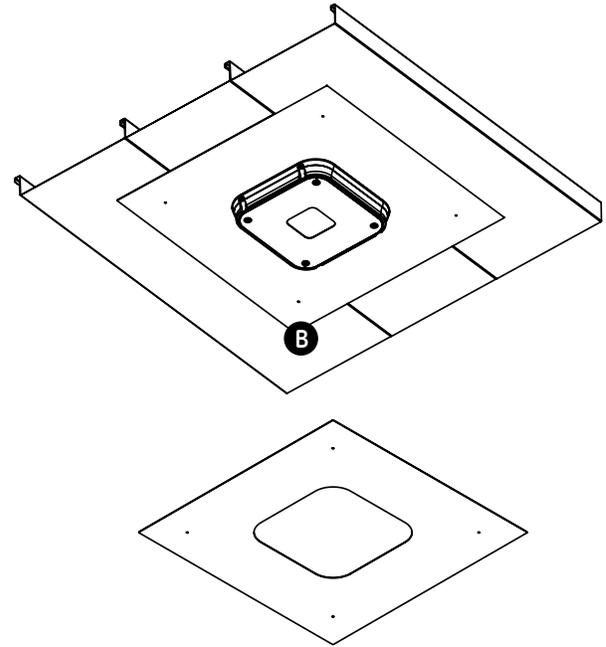|	
Recommended Mounting Height:	8-25'
Coverage Radius:	15-20' (4.6-6.1 m)
Lateral Coverage	360°
Default Settings:	
Output:	Occupied - 100%/Unoccupied - 50%
PE Sensor:	Enabled
Ramp/Fade:	5 Minutes/5 Minutes
	Adds < 1W to fixture power rating
	Requires Daintree Enterprise and wide area control (WAC)

4.1 in [104mm]
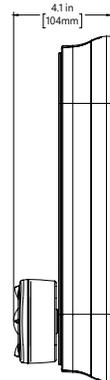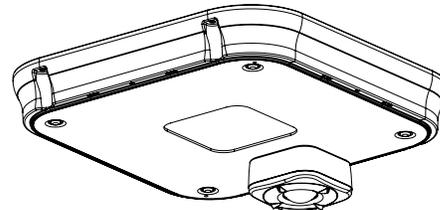
Approximate Sensor Pattern for A & B Option

• Canopy Fixture 15 ft. Mounting Height

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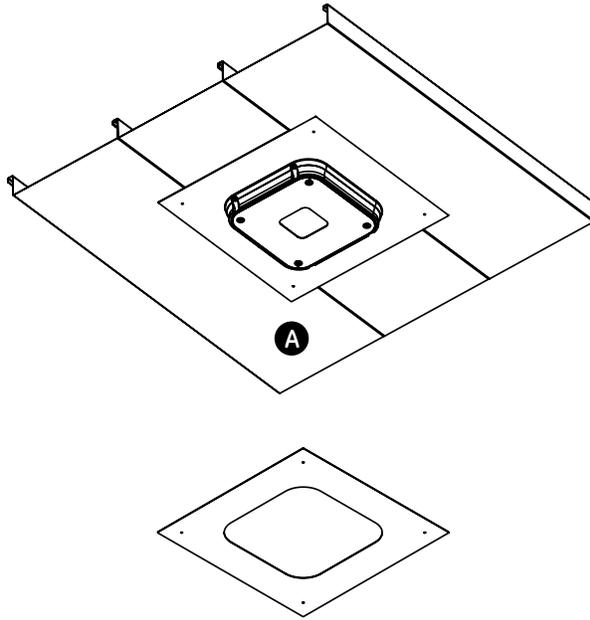
mounting

- J-Box
- Pendant Mount
- Surface Mount
- Surface Mount with 17.5" x 17.5 Beauty Plate
- Reccessed Mount with 17.5" x 17.5 Mounting Plate

Beauty Plates

- 24" & 32" Escutcheon plates designed to cover unsighltly canopy ceilings

PRODUCT	SERIES	DESCRIPTION	COLOR
ECL	E = Escutcheon Plate	1 = 24" x 24" ECLS	BLCK = Black
		2 = 32" x 32" ECLS	DKBZ = Dark Bronze
		3 = 24" x 24" ECLP	WHTE = White
		4 = 32" x 32" ECLP	

Current