





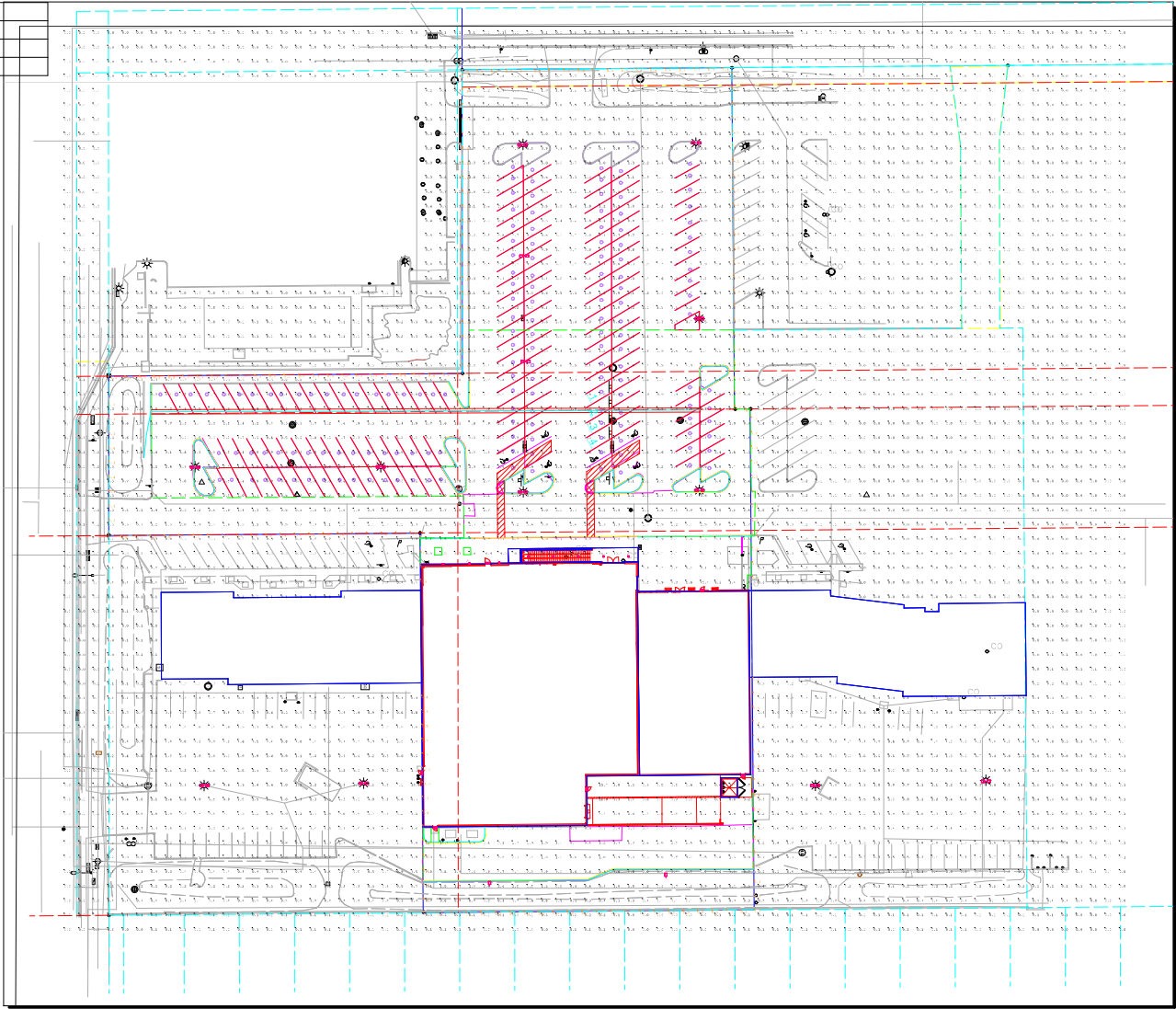


Calculation Summary							
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PROPERTY LINE	Fc	1.19	19.5	0.0	N.A.	N.A.	FC TAKEN @ GRADE
SITE	Fc	1.03	19.1	0.0	N.A.	N.A.	FC TAKEN @ GRADE

Luminaire Schedule				
Symbol	Label	Qty	Part Number	Description
	L21	1	IMPC1653M-U0-M1	LED WALL PACK
	L22	5	SC16016ASSMT30113M GRAY	CANOPY LIGHT
	L24-D0	3	4123BA-17-30K	WALL SCOOCE DOWN ONLY
	L31-S	2	EAC1010F4A750ND01 STEEL WITH ELB-EAC-RBL-BLCK	LED AREA LIGHT ON 21' POLE + 4' BASE (25' MOUNTING)
	L32	13	EAC1010F4A750ND01 STEEL	LED AREA LIGHT ON 25' POLE + 4' BASE (25' MOUNTING)
	L20	5	EWAS014D3AM730N3FMURAY	LED WALL PACK



- DUE TO CHANGING LIGHTING ORDINANCES IT IS THE CONTRACTORS RESPONSIBILITY TO SUBMIT THE SITE PHOTOMETRICS AND LUMINAIRE SPECS TO THE LOCAL INSPECTOR BEFORE ORDERING TO ENSURE THIS PLAN COMPLIES WITH LOCAL LIGHTING ORDINANCES
- THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS. CHANGES IN ELECTRICAL SUPPLY, AREA GEOMETRY AND OBJECTS WITHIN THE LIGHTED AREA MAY PRODUCE ILLUMINATION VALUES DIFFERENT FROM THE PREDICTED RESULTS SHOWN ON THIS LAYOUT.
- THIS LAYOUT IS BASED ON IES FILES THAT WERE LAB TESTED OR COMPUTER GENERATED. ACTUAL RESULTS MAY VARY

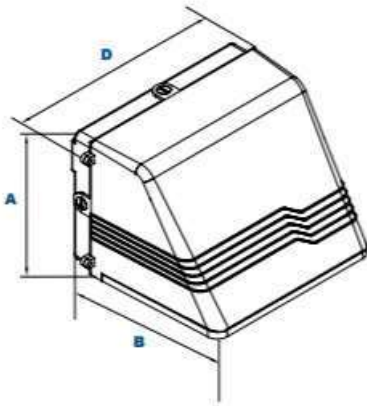
Drawn By:	UJM
Checked By:	
Date:	8/8/2025
Revisions	

Drawn By:	UJM
Checked By:	
Date:	8/8/2025
Revisions	



LWPC – LED Wall Pack

FEATURES & SPECIFICATION SHEET



Ordering Information

LWPC40 - H

Model	Volts
LWPC45	L / H
LWPC90	L / H
LWPC135	L / H

Application

The LWPC series Full Cut-Off Wall Pack Light fixture is specifically designed to provide full cut-off light spread providing a Dark Skies Compliant, durable, and efficient LED wall pack lighting solution.

The WPC Series is designed to replace High Pressure Sodium (HPS), Metal Halide (MHL), High Intensity Discharge (HID) and Compact Fluorescent (CFL) lamps.

Typical wall mounted lighting applications include: Retail Centers, Industrial Parks, Schools and Universities, Public Transit and Airports, Office Buildings and Medical Facilities and much more.

Mounting heights of 12 to 18 feet can be used based on light level and uniformity requirements.

Features

- Available in: 120-277v / 480v
- Philips Lumileds LED Array
- Tempered Clear Glass Flat Lens
- Die Cast Aluminum Housing
- IP55 Internal Driver
- UL DLC listed
- High power factor, Adjustable Array
- Full cutoff distribution

LED PCB & Driver

A long lifecycle rating of 100,000 hours

Warranty

Fixture is guaranteed for 5 years against manufacturing defects.

MODEL	VOLTS L= 120-277v H = 480v	COLOR TEMP	WATTS	REPLACES HPS, MHL, HID	LUMENS	DIMENSIONS L (B) x W (D) x H (A)
LWPC45	L / H	5K	45w	200W	6600	11.38"x 14 .25"x 9.13"
LWPC90	L / H	5K	90w	300W	12200	11.38"x 14 .25"x 9.13"
LWPC135	L / H	5K	135w	350W	18000	11.38"x 14 .25"x 9.13"



CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

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

Ratings

Operating Temperature:	-40°C to 50°C
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



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Ordering Information

ECLS 01 SM 7

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION ¹	CRI (MIN)	CCT	DIMMING	CONTROLS	MOUNTING	COLOR	OPTIONS
E = Evolve	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 = Recessed Mount	GRAY = Gray	Y = Coastal Finish ³
									SM = Surface Mount	WHITE = White	
									SB = Surface Mount w/ Beauty Plate		

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

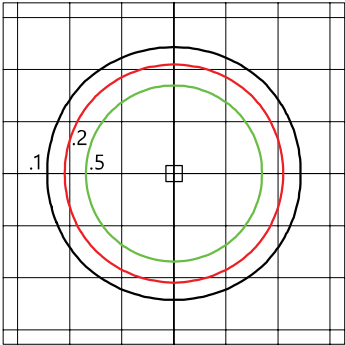
OPTICAL CODE	DIST CODE	TYPICAL LUMENS			TYPICAL SYSTEM WATTAGE	
		3000K	4000K	5000K	120-277V	347-480V
T5	SM	3600	3700	3700	29	N/A
A5		5200	5400	5400	39	43
B5		6900	7100	7100	54	58

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

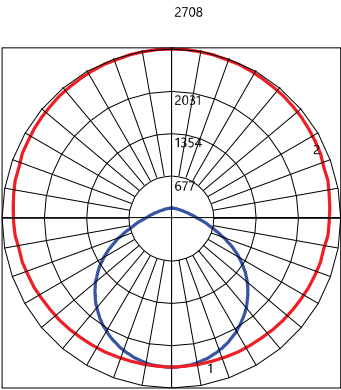
ECLS IES Files

ECLS - Symmetric Medium

7,100 lumens, 5000K
ECLS01_B5SM750_IES



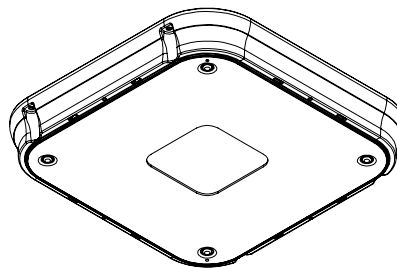
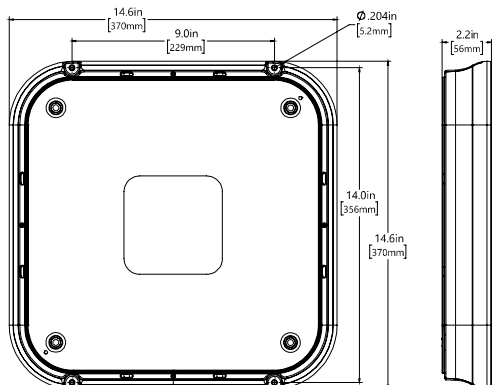
- Mounting Height at 15'
- Initial Footcandle at Grade



- Vertical plane through horizontal angle of Max. Cd at 90°
- Horizontal cone through vertical angle of Max. Cd at 1°

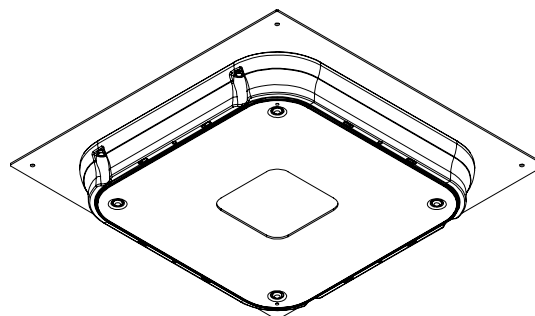
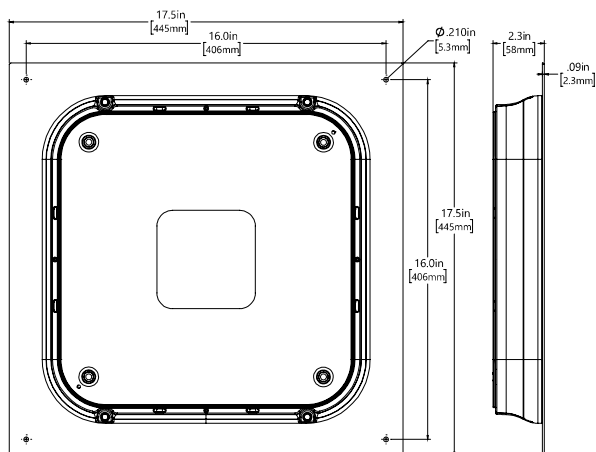
Surface Mount: SM

TOTAL WEIGHT (LBS.): 10.1



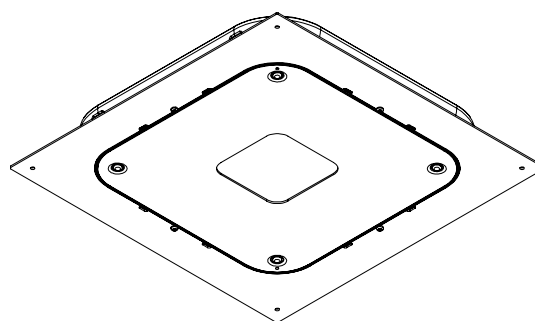
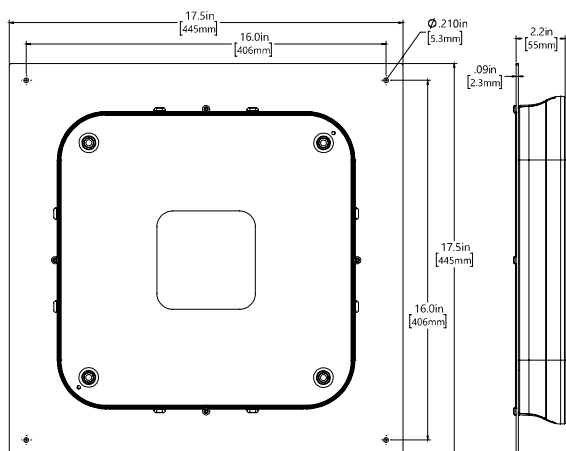
Surface Mount with Beauty Plate: SB

TOTAL WEIGHT (LBS.): 10.7



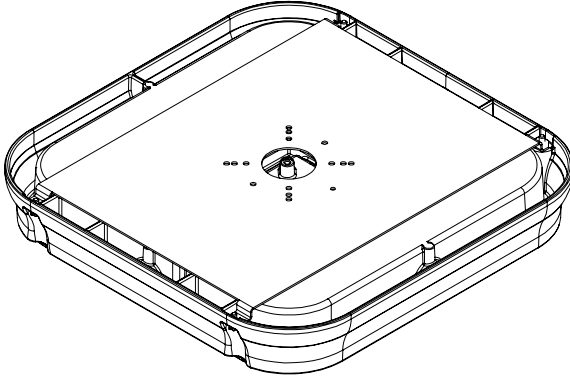
Recessed Mount: RM

TOTAL WEIGHT (LBS.): 12.4



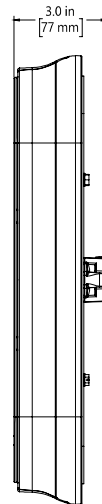
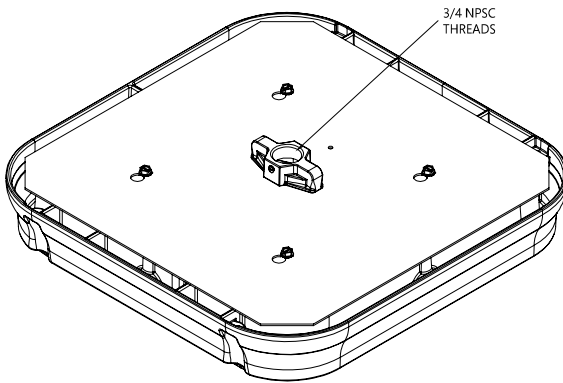
J-Box Mount (JM) for 3" or 4" J-box

Total Weight (lbs.): 11.1



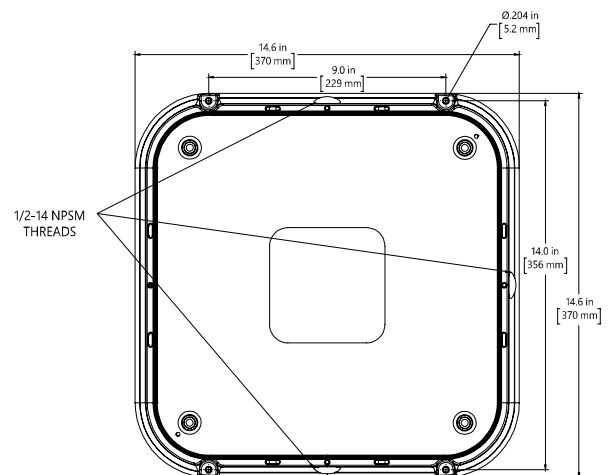
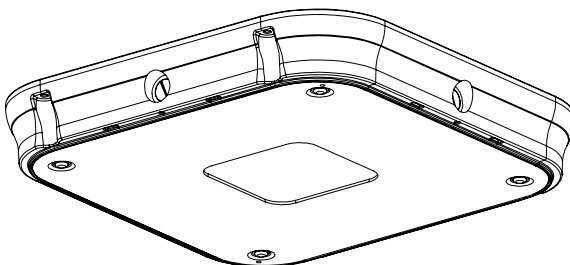
Pendant Mount (PM) *for rigid conduit only

Total Weight (lbs.): 11.5



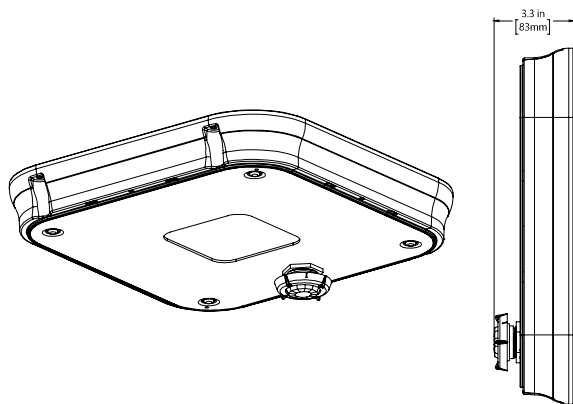
Side Conduit Holes: SC

Total Weight (lbs.): XX



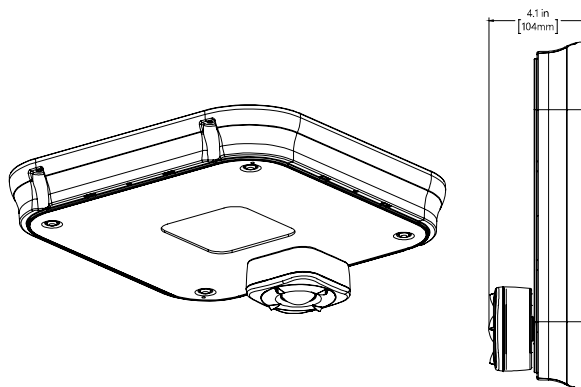
A Motion Sensing Option - Wattstopper: Sensor FSP-211, Lens FSP-L2

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



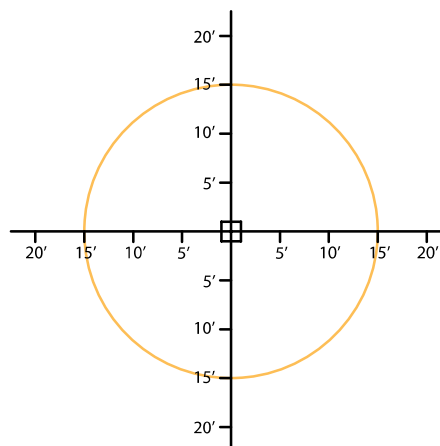
B Motion Sensing Option - Daintree: WHS100-BM

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)

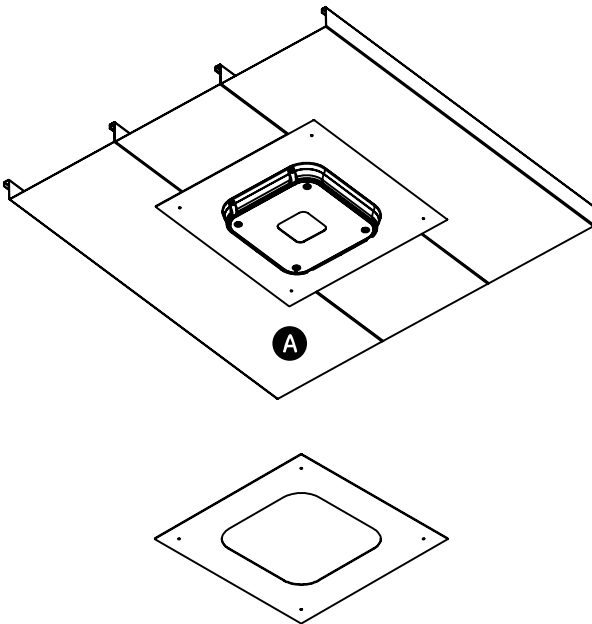


Approximate Sensor Pattern for A & B Option

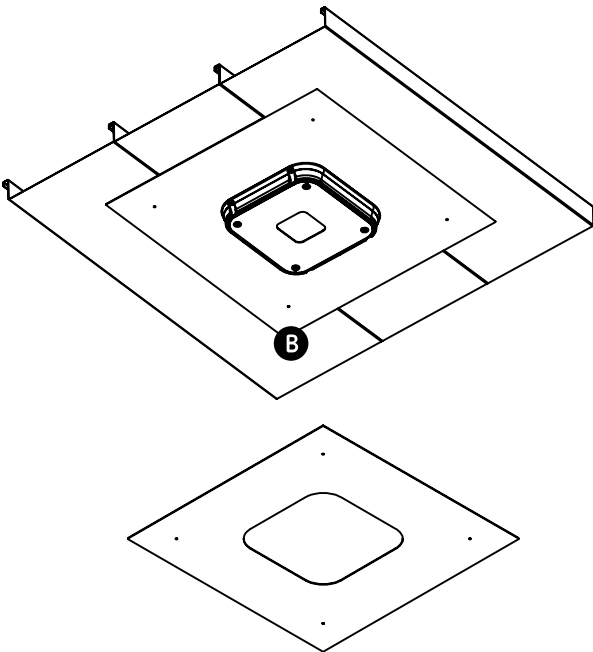
- Canopy Fixture 15 ft. Mounting Height



CUSTOMER NAME _____
PROJECT NAME _____
DATE _____ TYPE _____
CATALOG NUMBER _____



mounting



Beauty Plates

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

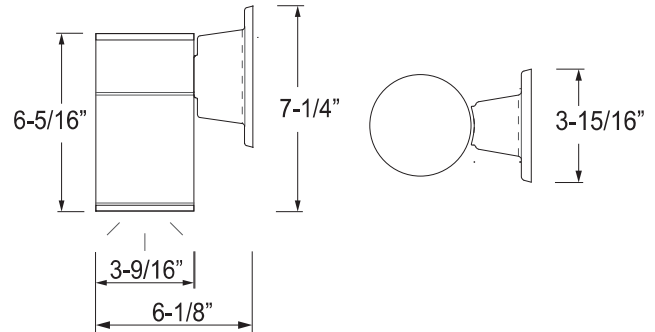
- 24" & 32" Escutcheon plates designed to cover unsightly canopy ceilings

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	WHITE = White
		4 = 32" x 32" ECLP	

4423
120V

Catalog #:		Type
Project:		Date
Prepared by:		

3" LED Architectural Cylinder Downlight



DESCRIPTION

The Outdoor LED Cylinder Family features wet location rated wall mount style cylinders with down light and up & down light options. Choose from energy efficient 13W or 17W AC modules, with finishes available in white, black, brushed nickel, or oil-rubbed bronze. Features Triac dimming down to 5%, using most standard dimmers. Utilizes AC circuit on board technology for cooler operating temperature and extended lifetime.

DESIGN FEATURES

Construction

- Aluminum die-cast with powder coat finish

Electrical

- 120V Direct AC operation with DOB
- Triac dimming down to 5%
- Various wattages of modules available
- Cooler operating temperature without driver
- Stable driving current prevents inrush damage to circuit switches and modules
- Operating temperature: -31°F (-35°C) to 122°F (50°C)
- Available in 80CRI, 3000K & 4000K

Installation

- Easy surface mounting for simple installation using anchors and screws
- J-box mountable

Lens

- Clear acrylic lens protects LEDs while allowing for optimum lumen output
- 37° Beam angle

Finish

- Available in black, brushed aluminum and oil-rubbed bronze

Certifications

- cSAus for wet location
- 5 year limited warranty
- Wet location rated



4423

120V

Specification & Ordering

Model #	Dimensions (H x W x D)	Watt	Lumens <i>(delivered)</i>	Lumens <i>(source)</i>	Color Temp
4423	7-1/4" x 3-9/16" x 6-1/8"	13W	845lm	1280lm	3K 3000K
		17W	1105lm	1710lm	4K 4000K

ORDERING		Example: 4423BK-20-3K		
Model #	Finish	Watts	CCT	
4423				
4423	BK : Black BA : Brushed Aluminum OB : Oil-rubbed Bronze	-13 : 13W -17 : 17W	-3K : 3000 K -4K : 4000 K	

3" LED Cylinder Downlight

EACL Series

LED Area Light/
Compact Low
Wattage



Project Name _____

Date _____ Type _____

Notes _____

Current's EAL Series of Area Light Luminaires offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to optimize area light applications, as well as provide versatility in lighting design within the same form factor.

CONSTRUCTION

Housing: Die-cast aluminum housing with integral heat sink for maximum heat transfer

Paint: Corrosion resistant polyester powder paint, minimum 2.0 mil thickness
Standard = Black, Dark Bronze Gray, White (RAL & custom colors available)
Optional coastal finish available.

Weight: 18 lbs (8.16 kg) Max depending on configuration

OPTICAL SYSTEM

Lumens: 2,900 - 20,400

Distribution: Asymmetric Forward Type IV
Asymmetric Wide Type III
Asymmetric Narrow/Auto Type II

Efficacy: 123 - 143 LPW

CCT: 3000K, 4000K, 5000K

CRI: ≥70

ELECTRICAL

Input Voltage: 120-277V & 347-480V

Input Frequency: 50/60Hz

Power Factor: > 90% at rated watts

Total Harmonic Distortion: < 20% at rated watts

SURGE PROTECTION*

Typical
(120 Strikes)

☐ 6kV/3kA*

Enhanced
(40 Strikes)

☐ 10kV/5kA*

Extreme
(40 Strikes)

☐ 20kV/10kA*

*Per ANSI C136.2-2015

LUMEN MAINTENANCE

Projected Lxx per IES TM-21-11 at 25°C

Lumen Codes	LXX(10K) @ Hours		
	25,000 HR	50,000 HR	60,000 HR
A2, A3, A4, B2, B3, B4, C2, C3, C4D2, D3, D4, E2, E3, E4, F2, F3, F4	L94	L90	L88
H2, H3, H4	L97	L96	L96

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 (°C)	Initial Flux Factor	Ambient Temp (°C)	Initial Flux Factor
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00	50	0.97

RATINGS

Operating Temperature: -40°C to 50°C

Vibration: 3G vibration per ANSI C136.31-2018

LM-79: Testing in accordance with IESNA Standards

CONTROLS

Dimming: Standard - 0-10V ☐
Optional - DALI (Option U) ☐

Sensors: Photo Electric Sensors (PE) available
LightGrid and Daintree Compatible

WARRANTY

5 Year (Standard)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

EACL 01

7

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI (min)	CCT	DIMMING ²	CONTROLS	MOUNTING ARM	COLOR	OPTIONS
E = Evolve	01	0 = 120-277 ¹	Ax=3000	AF = Asymmetric Forward	7 = 70	30 = 3000K ¹¹	N = Dimming thru PE receptacle	1 = None	C1 = Integral Slip-fitter for 1.25"- 2" Pipe (1.66in. OD - 2.378 in. OD) ⁴	GRAY = Gray	F = Fusing
AC = Compact Area Light		H = 347-480 ¹	Bx=5000	AW = Asymmetric Wide		40 = 4000K	D = External Dimming 18/2-3ft cable	A = ANSI 7-pin PE receptacle (no control)	D1 = Universal Mounting Arm, fitted for round or square pole mounting ⁵	BLCK = Black	H = Motion Sensor (Sensor Switch) ⁸
L = Low Voltage			Cx=7500	AN = Asymmetric Narrow/Auto		50 = 5000K	X = No External Dimming Leads	D = ANSI 7-pin PE receptacle with shorting cap provided	K1 = Knuckle Slipfitter for 1.9 in - 2.3in. OD Tenon ^{5,6}	DKBZ = Dark Bronze	H1 = Motion Sensor w/LightGrid
		1 = 120	Dx=10000					E = ANSI C136.41 7-pin with Non-Dimming PE Control ⁹	S1 = Knuckle Slipfitter for 2.3in. - 3.0in OD Tenon ^{5,6}	WHTE = White	H2 = Motion Sensor (Daintree) ⁸
		2 = 208	Dx=10000						V1 = Knuckle Wall Mount ^{5,6}		H4 = Motion Sensor (Wattstopper)
		3 = 240	Ex=12500								J = cUL/Canada
		4 = 277	Fx=15000								L = Tool-Less Entry
		5 = 480	Hx=20000								R = Enhanced Surge Protection (10kV/ 5kA)
		D = 347									T = Extreme Surge Protection (20kV/ 10kA)
											U = DALI dimming ⁷
											V = 3-Position Terminal Block
											V1 = Variable output via Field Adjustable Module
											Y = Coastal Finish ¹⁰
											XXX = Special Options

¹ Not Available with Fusing, Must Choose a Discrete Voltage with "F" Option Code² Note Standard Dimming is 0-10V³ PE Control only available for 120-277V, 347V or 480V Discrete Voltage.⁴ Supplied with 3ft leads⁵ Supplied with 16/3 ft Cable⁶ Restricted Aiming Angle of 0-45°⁷ Compatible with LightGrid Wireless Control Nodes, Not Compatible with Motion Sensor Control⁸ Not available in 347V, 480V or 347-480V¹⁰ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.¹¹ Select 3000K CCT for IDA approved fixtures.

Project Name _____

Date _____ Type _____

Notes _____

OPTICAL CODE	DIST CODE	CLASSIFICATION	TYPICAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATING	
			3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K
A4	AF	TYPE IV	2900	2900	21	23	B1-UO-G1	B1-UO-G1
B4			4900	4900	36	38	B1-UO-G1	B1-UO-G1
C4			7300	7300	55		B1-UO-G2	B1-UO-G2
D4			9800	9800	73		B2-UO-G2	B2-UO-G2
E4			12200	12200	95		B2-UO-G2	B2-UO-G2
F4			14700	14700	122		B2-UO-G2	B2-UO-G2
H4			19000	19000	153		B3-UO-G3	B3-UO-G3
A3	AW	TYPE III	2900	3000	21	23	B1-UO-G1	B1-UO-G1
B3			4900	5100	36	38	B1-UO-G1	B1-UO-G1
C3			7400	7600	55		B1-UO-G2	B1-UO-G2
D3			9900	10200	73		B2-UO-G2	B2-UO-G2
E3			12400	12700	95		B2-UO-G2	B2-UO-G2
F3			14900	15300	122		B2-UO-G2	B2-UO-G2
H3			19300	20400	153		B3-UO-G2	B3-UO-G2
A2	AN	TYPE II	2900	3000	21	23	B1-UO-G1	B1-UO-G1
B2			4900	5000	36	38	B1-UO-G1	B1-UO-G1
C2			7300	7500	55		B2-UO-G1	B2-UO-G2
D2			9800	10100	73		B2-UO-G2	B2-UO-G2
E2			12300	12600	95		B2-UO-G2	B2-UO-G2
F2			14700	15100	122		B3-UO-G2	B3-UO-G3
H2			19100	20200	153		B3-UO-G3	B3-UO-G3

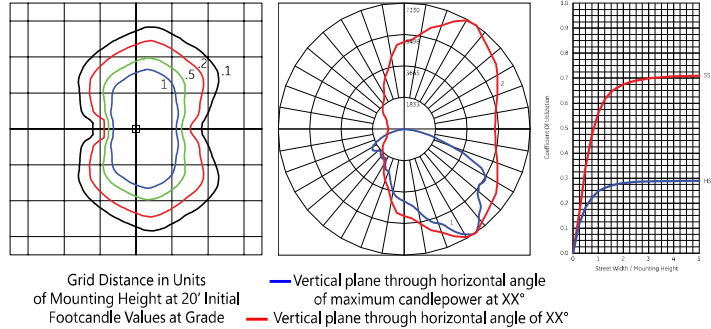
For additional information on EACL IES files, please click one of the following links:

[Non-Shielded](#)

[Shielded](#)

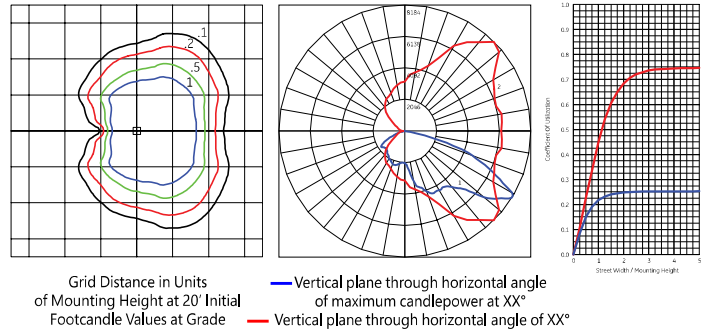
EACL - Type II - Very Short

15,100 lumens
EACL01_F2AN750__IES



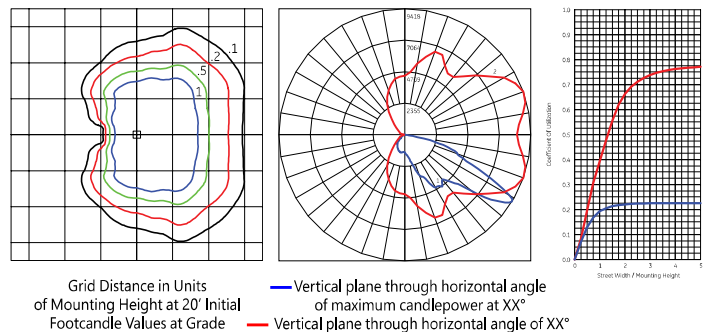
EACL - Type III - Short

15,300 lumens
EACL01_F3AW750__IES



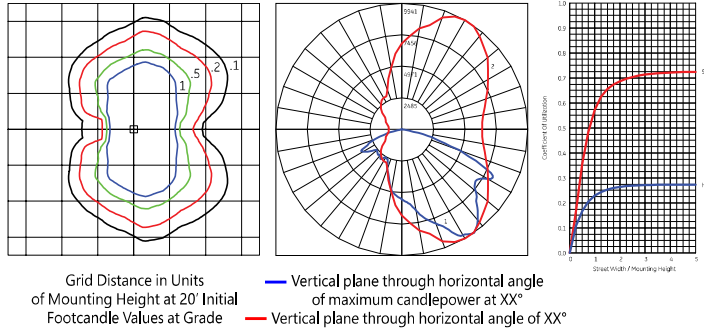
EACL - Type III - Very Short

15,000 lumens
EACL01_F4AF750__IES



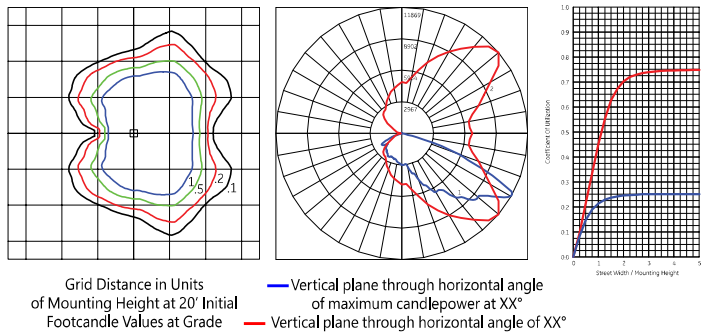
EACL - Type II- Very Short

20,200 lumens
EACL01_H2AN750__IES



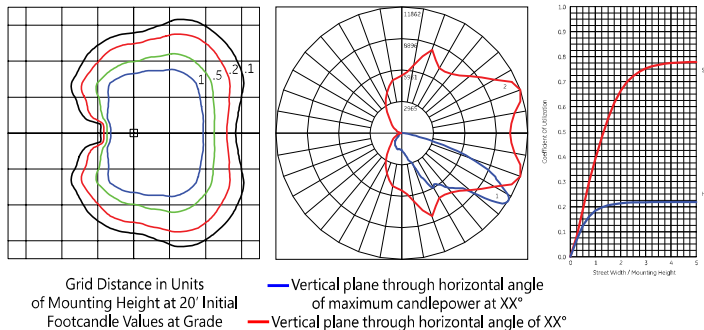
EACL - Type III - Short

20,400 lumens
EACL01_H3AW750__IES



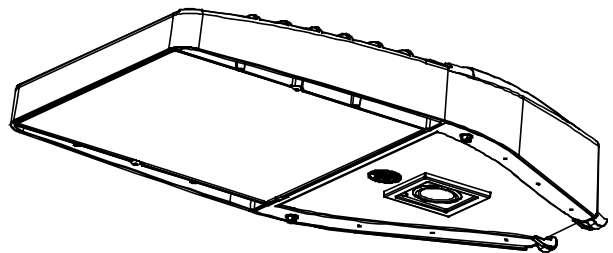
EACL - Type IV - Very Short

20,000 lumens
EACL01_H4AF750__IES



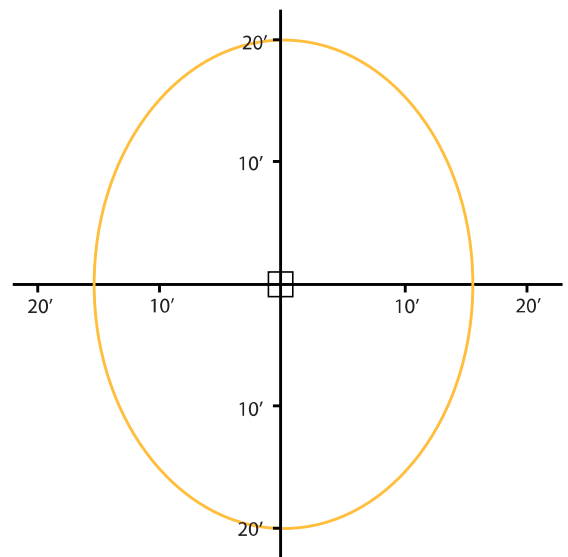
H-MOTION SENSING OPTION

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
 - Output: Occupied - 100%/Unoccupied - 50%
 - Integral PE Sensor.
 - 5 minute post-occupancy time delay, 5 minute dimming ramp-down.
- Fixture power increase of 1W expected with sensor use.



H1/4 - MOTION SENSING OPTION (WATTSTOPPER)

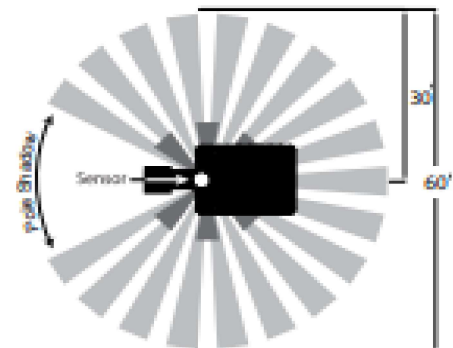
- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Coverage Radius: 15-20' (4.6-6.1 m).
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- Default Settings:
 - Output: Occupied - 100%/Unoccupied - 50%
 - PE Sensor: Enabled
 - Ramp/Fade: 5 Minutes/5 Minutes
- Adds < 1W to fixture power rating
- Field programmable using FSIR-100 hand held programmer



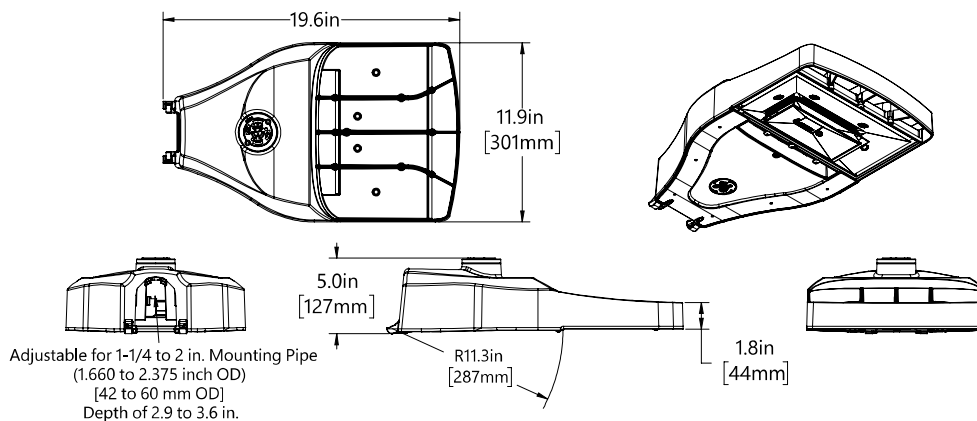
H2 - MOTION SENSING OPTION (DAINTREE)

- Recommended Mounting Height: 15-30' (4.6-9.1m)
- For mounting heights exceeding 30 ft., pole mounted sensors are recommended
- Provides a coverage area radius for walking motion of 15-20 ft. (4.57-6.10m)
- Provides 270 degree of coverage (approx 90 is blocked by the pole)
- 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)

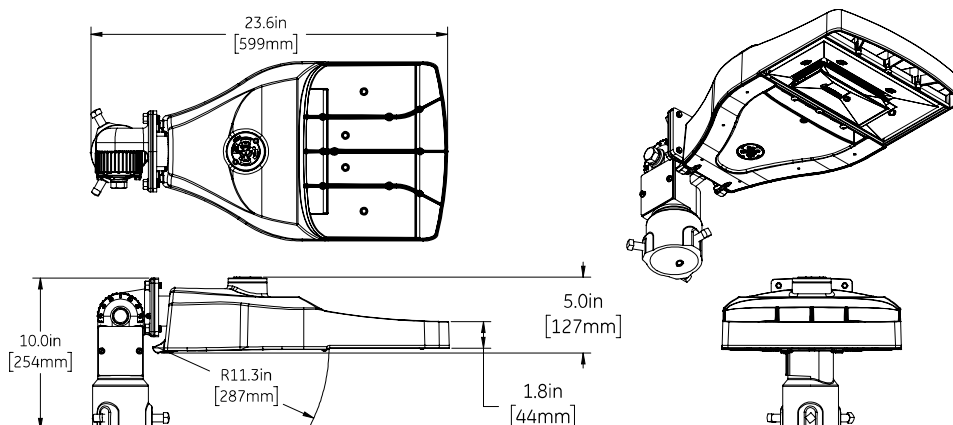
Sensing Pattern Area Fixture
Up to 30 ft. Mounting Height



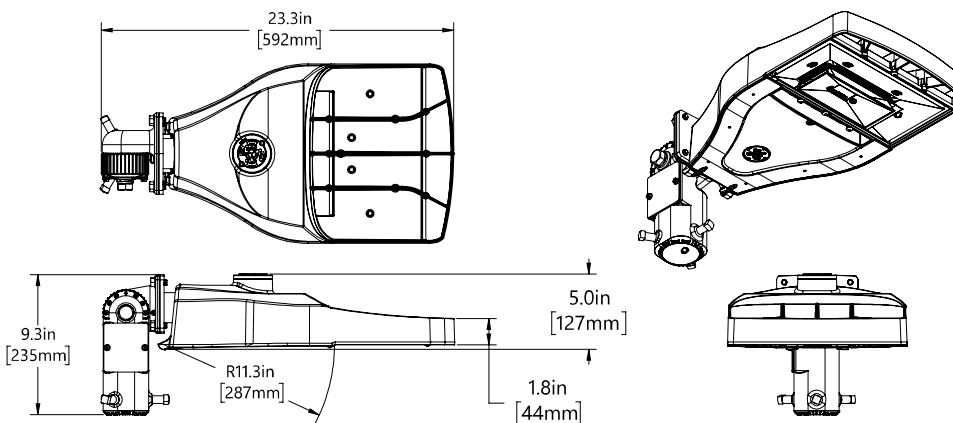
Integral Slipfitter: C1



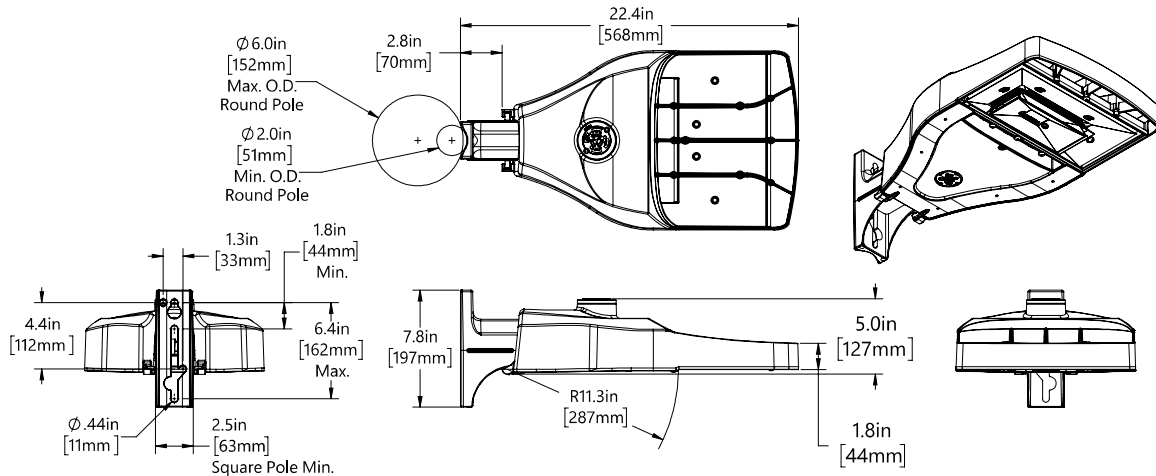
Knuckle Slipfitter: S1



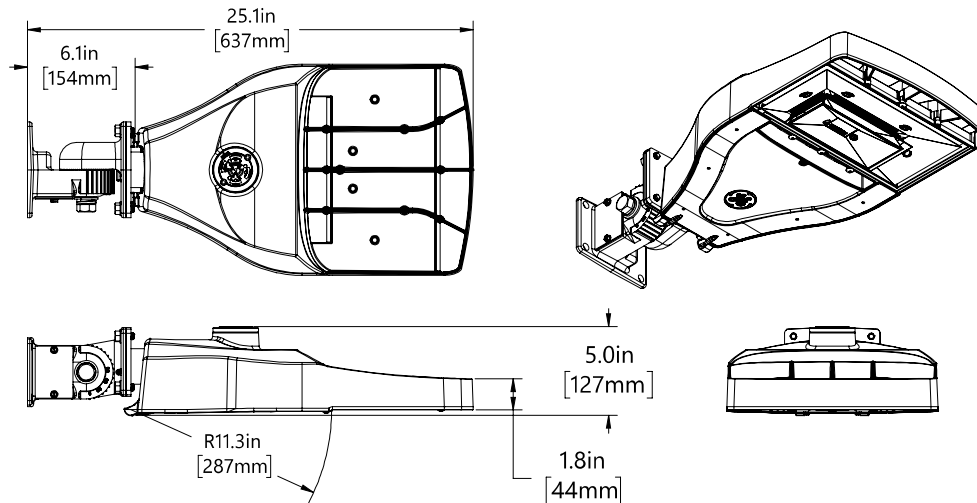
Knuckle Slipfitter: K1



Universal Mounting Arm: D1



Knuckle Wall Mount: V1



WEIGHT

- 18 lbs (8.16 kg) Max depending on configuration

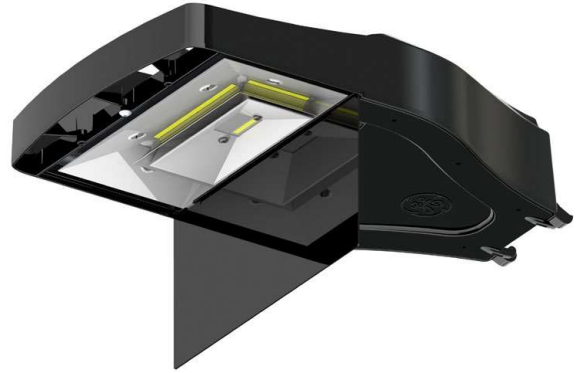
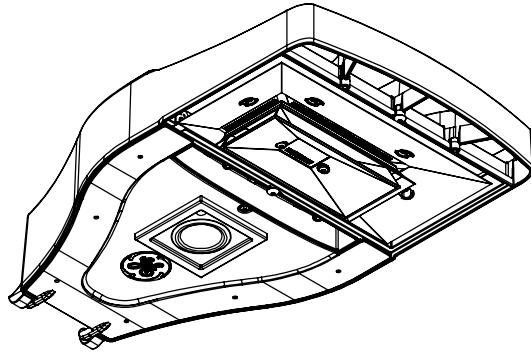
EFFECTIVE PROJECTED AREA

- Integral Slipfitter C1, EPA = 0.31 Min/0.37 Max
- Universal Arm Mount D1, EPA = 0.31 Min / 0.52 Max
- Knuckle Slipfitter S1, K1 downward aim, EPA = 0.46 Min / 0.56 Max
- Knuckle Slipfitter S1, K1 45° aim, EPA = 0.56 Min / 1.03 Max

Project Name _____

Date _____ Type _____

Notes _____



PE Accessories (to be ordered separately)

SAP Number	Part Number	Description
93123552	WANSI - 277	ANSI 136.41 Dimming PE Danitree Enable, 105-305V
93123553	WANSI - 480	ANSI 136.41 Dimming PE Danitree Enable, 312-530V
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V

SAP Number	Part Number	Description
28299	PEC0TL	STANDARD 120-277V
28294	PEC5TL	STANDARD 480V
80436	PECDTL	STANDARD 347V
73251	SCCL-PECTL	Shorting cap

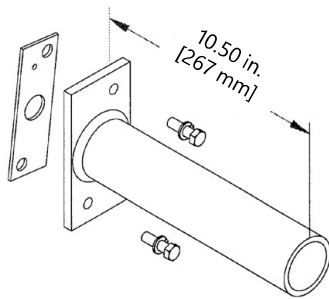
Back Light Shield

Shield Orientations	Cutoff Distance	Shield Order Logic
Back	Long	ELS-EACL-RBL-BLCK

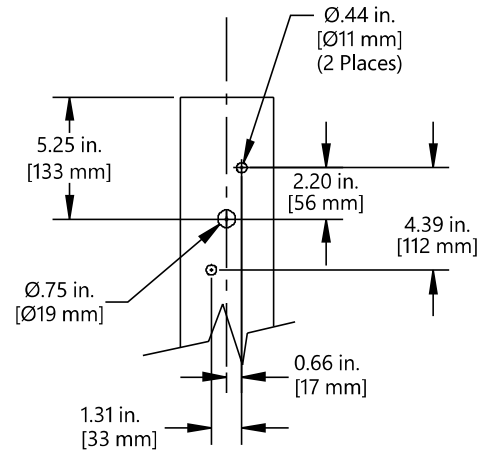
MOUNTING ARMS FOR SLIPFITTER Order separately with Mounting Option C1 (Slipfitter)

SQUARE POLE MOUNTING ARM

- 3.5 TO 4.5-inch (89 to 114mm) SQUARE (WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)

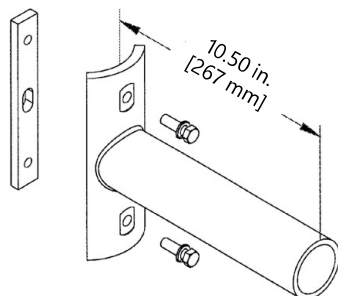


SQUARE POLE MOUNTING DRILLING TEMPLATE



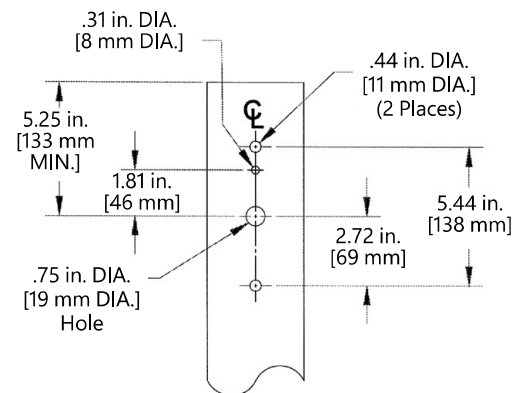
ROUND POLE MOUNTING ARM

- 3.5 TO 4.5-inch (89 to 114mm) OD (WILL ALLOW 4 FIXTURES PER POLE @ 90 DEGREES.)



ROUND POLE MOUNTING DRILLING TEMPLATE

- 3.5 TO 4.5-inch (89 to 114mm) OD round pole mounting arm



ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER

- RPA-EAMT10BLCK "Black"
- RPA-EAMT10DKBZ "Dark Bronze"
- RPA-EAMT10WHITE "White"
- RPA-EAMT10GRAY "Gray"

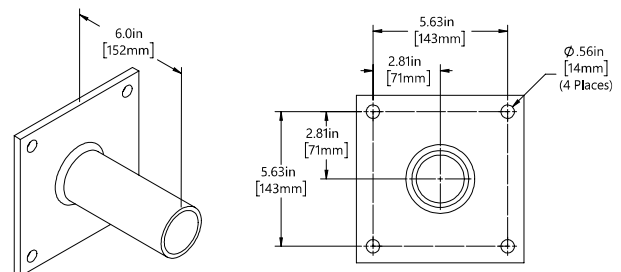
Wall Mounting Bracket Adapter Plate

ORDER SEPARATELY FROM FIXTURE AS CATALOG NUMBER
WMB-EAMT06

*NOTE: For Wall Mounting, order luminaire with mounting arm: C1 = Slipfitter 2" Pipe (2.378 in. OD) supplied with leads.

Other mounting patterns are available for retrofit installations. Contact manufacturing for other available mounting patterns.

WALL MOUNTING BRACKET HOLE PATTERN





EWAS A Series

LED Wall Pack

The Evolve® LED A Series Wall Pack (EWAS), offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens, and is a designed replacement for 50W to 400W HID including an optional Emergency Battery Backup.



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:	8 - 10 lbs.

Optical System

Lumens:	3,000 - 17,000
Distribution:	Type II, III, IV
CCT:	3000K, 4000K, 5000K
CRI:	≥70

Electrical

Input Voltage:	120-277V & 347-480V
Input Frequency:	50/60Hz
Power Factor:	> 90% at rated watts
Total Harmonic Distortion:	< 20% at rated watts

Surge Protection

TYPCIAL (120 STRIKES)	ENHANCED (40 STRIKES)	EXTREME (40 STRIKES)
<input type="checkbox"/> 6kV/3kA*	<input type="checkbox"/> 10kV/5kA*	<input type="checkbox"/> 20kV/10kA*

*Per ANSI C136.2-2015

Warranty

☐ 5 Year (Standard)

Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

DISTRIBUTION	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
A2, A3, A4, B2, B3, B4, C2, C3, C4, D2, D3, D4	L95	L93	L92
E2, E3, E4, F2, F3, F4, G2, G3, G4	L96	L94	L94

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

Ratings

Operating Temperature:	-40°C to 40°C
Vibration:	3G per ANSI C136.31-2010
LM-79:	Testing in accordance with IESNA Standards

Controls

Dimming:	Standard - 0-10V <input type="checkbox"/> Optional - DALI (Option U) <input type="checkbox"/>
Sensors:	Photo Electric Sensors (PE) available LightGrid+™ and Daintree Compatible

Emergency Battery Backup

Provides reliable emergency operations when there is a loss to normal power, supported by Independent Secondary Battery and LED Board.

Powers luminaire for a minimum of 90 minutes @ 1,000 lumens.

Available on A* and B* Optical Code Packages only

Operating Temperature (for EMBB models) -20° to 40°C

3kV/1.5kA surge protection for EMBB models.

Not all product variations listed on this page are DLC qualified.
Visit www.designlights.org/search to confirm qualifications.



CUSTOMER NAME

PROJECT NAME

DATETYPE

CATALOG NUMBER

Ordering Information

EWAS01

7

FM

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI (MIN)	CCT	DIMMING	PE FUNCTION		COLOR	OPTIONS
E = Evolve W = Wallpack AS = A-Series	01	0 = 120-277V H = 347-480V 1 = 120V 2 = 208V 3 = 240V 4 = 277V D = 347V 5 = 480V	Ax = 3000 lm Bx = 5000 lm Cx = 7500 lm Dx = 10000 lm Ex = 12200 lm Fx = 14400 lm Gx = 17000 lm	AF = Asymmetric Forward AN = Asymmetric Narrow AW = Asymmetric Wide	7 = 70 CRI	30 = 3000K ¹⁰ 40 = 4000K 50 = 5000K	D = External Dimming leads N = No external Dimming Leads	1 = None 3 = Button PE ^{1,2} A = ANSI C136.41 7-Pin Receptacle D = ANSI C136.417-Pin Receptacle with Shorting Cap ¹² E = ANSI C136.41 7-Pin with Non-Dimming PE Control ¹¹	FM = Surface Mount/Feed Through	BLCK = Black DKBZ = Dark Bronze GRAY = Gray WHITE = White	EMBB = Emergency Battery Backup ^{3,8,12} R = Enhanced Surge Protection (10kV/5kA) T = Extreme Surge Protection (20kV/10kA) H = Motion Sensor ^{4,5} H2 = Daintree Motion Sensor ^{6,7,8} Y = Coastal Finish ⁹ XXX = Special Options

¹ Button PE not available with motion sensor option.

² Not available with voltage options 0, H, or 5.

³ Available with A and B Optical Codes Only

⁴ H Motion Sensor Bottom mount available with A, B, C, D, & E Optical Codes Only

⁵ H Motion Sensor Side Mount available with F & G Optical Codes Only

⁶ H2 Daintree Motion Sensor Bottom mount available with A, B, C, D, & E Optical Codes Only

⁷ H2 Not Available with F & G Optical Codes

⁸ Not available in 347V, 480V or 347-480V

⁹ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹⁰ Select 3000K CCT for IDA approved fixtures.

¹¹ PE Control only available for 120-277V, 347V or 480V Discrete Voltage.

¹² EMBB is not available with surge protection, fuses, sensors, or ANSI C136.41 7-pin Receptacle

CUSTOMER NAME

PROJECT NAME

DATETYPE

CATALOG NUMBER

TYPE	OPTIC CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATINGS	
			3000K	4000K & 5000K	120-277V	347-480V	3000K	4000K & 5000K
							B-U-G	B-U-G
Type IV	A4	Asymmetric Forward (AF)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B4		4900	5000	36	38	B1-U0-G1	B1-U0-G1
	C4		7300	7500	56		B1-U0-G2	B1-U0-G2
	D4		9800	10000	77		B2-U0-G2	B2-U0-G2
	E4		11500	12200	89		B2-U0-G2	B2-U0-G2
	F4		13600	14400	109		B2-U0-G2	B2-U0-G2
	G4		16100	17000	130		B3-U0-G3	B3-U0-G3
Type III	A3	Asymmetric Wide (AW)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B3		4900	5100	36	38	B1-U0-G1	B1-U0-G1
	C3		7400	7600	56		B2-U0-G1	B2-U0-G1
	D3		9900	10200	77		B2-U0-G2	B2-U0-G2
	E3		11700	12400	89		B2-U0-G2	B2-U0-G2
	F3		13900	14700	109		B2-U0-G2	B2-U0-G2
	G3		16400	17300	130		B2-U0-G2	B3-U0-G2
Type II	A2	Asymmetric Narrow/ Auto (AN)	2900	3000	21	23	B1-U0-G1	B1-U0-G1
	B2		4900	5000	36	38	B1-U0-G1	B1-U0-G1
	C2		7300	7500	56		B2-U0-G1	B2-U0-G2
	D2		9800	10100	77		B2-U0-G2	B2-U0-G2
	E2		11600	12300	89		B2-U0-G2	B2-U0-G2
	F2		13700	14500	109		B3-U0-G3	B3-U0-G3
	G2		16200	17100	130		B3-U0-G3	B3-U0-G3

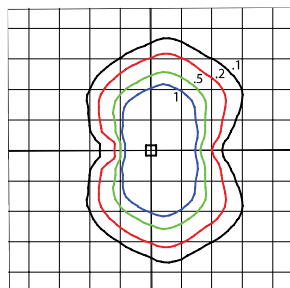
For additional information on EWAS IES files, please refer to LED.com

EWAS ASYMMETRIC NARROW (D2AN750)

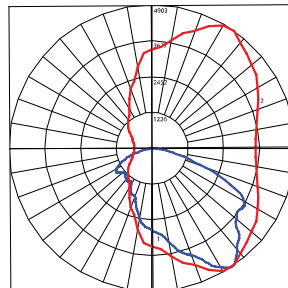
10,100 Lumens

5000K

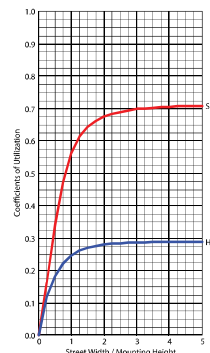
EWAS01_D2AN750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade



- Vertical plane through horizontal angle of Max. Cd at 55°
- Horizontal cone through vertical angle of Max. Cd at 34°

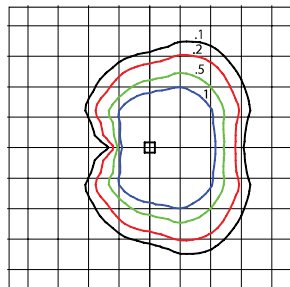


EWAS ASYMMETRIC WIDE (D3AW750)

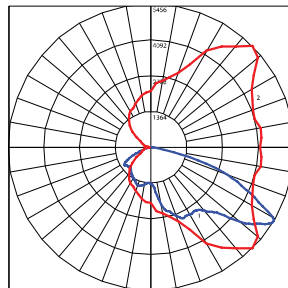
10,200 Lumens

5000K

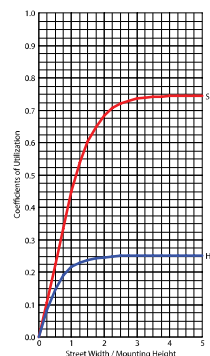
EWAS01_D3AW750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade



- Vertical plane through horizontal angle of Max. Cd at 45°
- Horizontal cone through vertical angle of Max. Cd at 59°

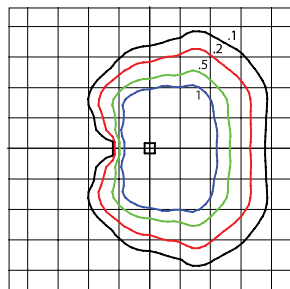


EWAS ASYMMETRIC FORWARD (D4AF750)

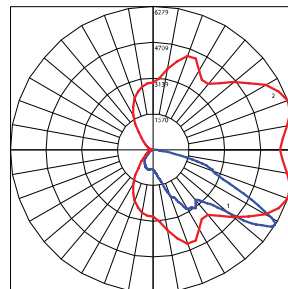
10,000 Lumens

5000K

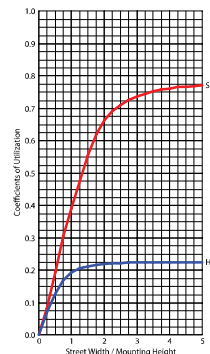
EWAS01_D4AF750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade



- Vertical plane through horizontal angle of Max. Cd at 20°
- Horizontal cone through vertical angle of Max. Cd at 58°

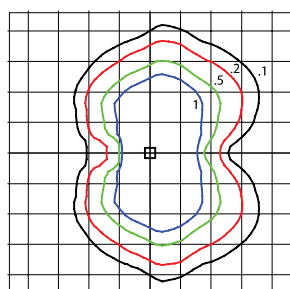


EWAS ASYMMETRIC NARROW (G2AN750)

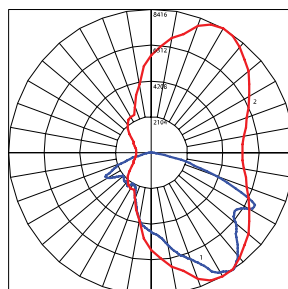
17,100 Lumens

5000K

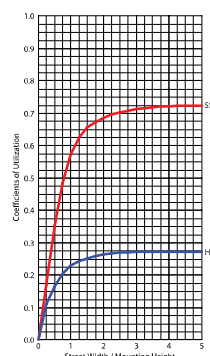
EWAS01_G2AN750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade

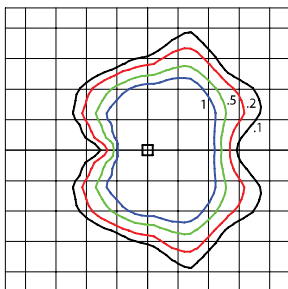


- Vertical plane through horizontal angle of Max. Cd at 60°
- Horizontal cone through vertical angle of Max. Cd at 35°

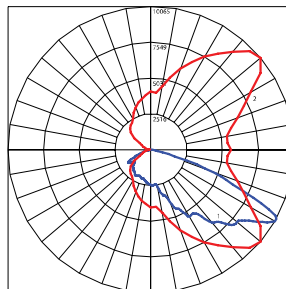


EWAS
ASYMMETRIC WIDE
(G3AW750)

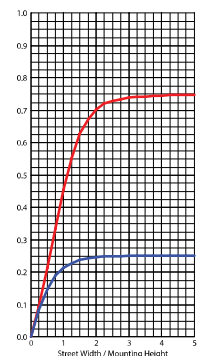
17,300 Lumens
5000K
EWAS01_G3AW750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade

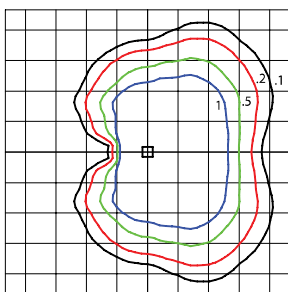


- Vertical plane through horizontal angle of Max. Cd at 40°
- Horizontal cone through vertical angle of Max. Cd at 61°

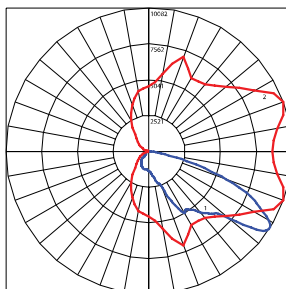


EWAS
ASYMMETRIC FORWARD
(G4AF750)

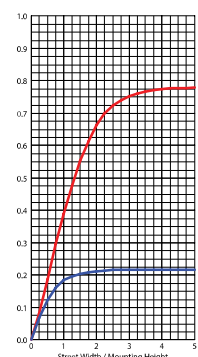
17,000 Lumens
5000K
EWAS01_G4AF750_IES



- Mounting Height at 15'
- Initial Footcandle at Grade

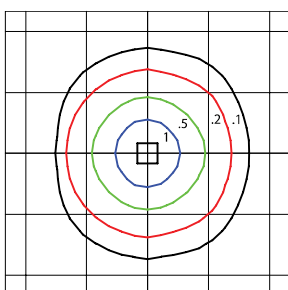


- Vertical plane through horizontal angle of Max. Cd at 20°
- Horizontal cone through vertical angle of Max. Cd at 57°

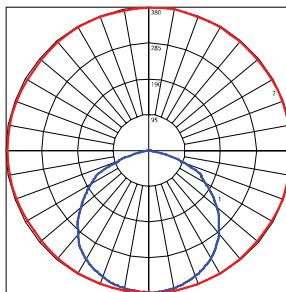


EWAS
(With Emergency Battery
Backup in Operation)

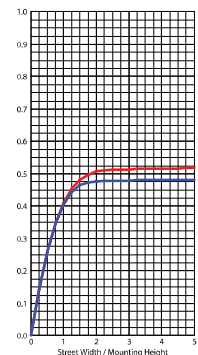
1,000 Lumens
3000K, 4000K, 5000K
EWAS01_With Emergency
Battery Backup On_IES



- Mounting Height at 15'
- Initial Footcandle at Grade



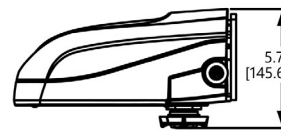
- Vertical plane through horizontal angle of Max. Cd at 80°
- Horizontal cone through vertical angle of Max. Cd at 1°



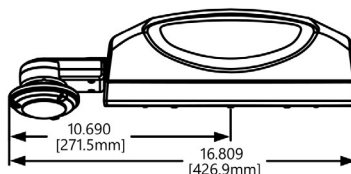
CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

H - Motion Sensing Option

Recommended Mounting Height:	8-25ft
Coverage Radius:	25-30 ft
Lateral Coverage	Provides 180° coverage (180° blocked by wall)
Default Settings	
Output:	Occupied - 100% Unoccupied - 50%
PE Sensor:	Enabled
Ramp/Fade:	10% dimming after 5 minutes with no occupancy
Adds:	Adds < 1W to fixture power rating
Field:	Field programmable using FSIR-100 hand held programmer



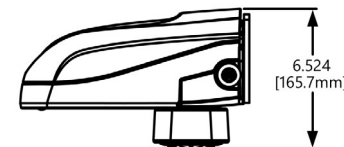
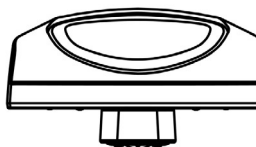
H Option - Wattstopper Motion Sensor
 Bottom mount available with A, B, C, D, & E Optical Codes Only



H Option - Wattstopper® Motion Sensor
 Side mount available with F & G Optical Codes Only

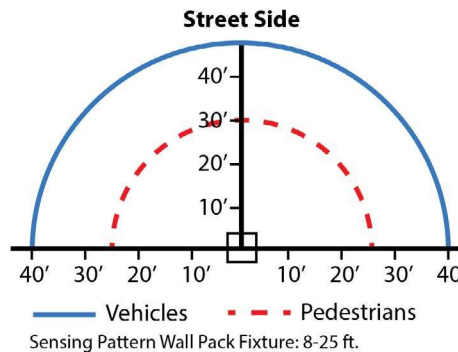
H2 - Daintree Enabled Motion Sensing Option

Recommended Mounting Height:	8-25ft
Coverage Radius:	15-30 ft
Lateral Coverage	Provides 180° coverage (180° blocked by wall)
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)



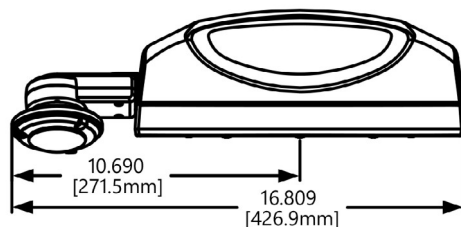
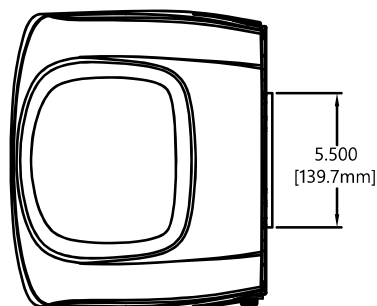
H2 Option - Daintree Motion Sensor
 Bottom mount available with A, B, C, D, & E Optical Codes Only

SENSOR PATTERN

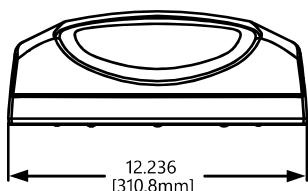


CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

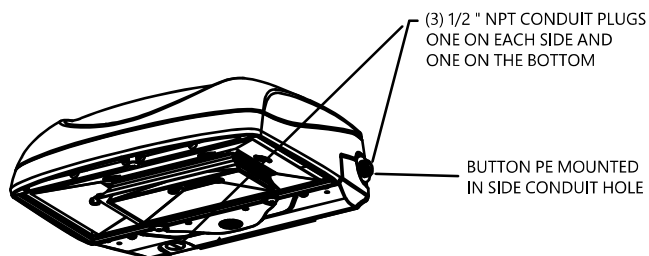
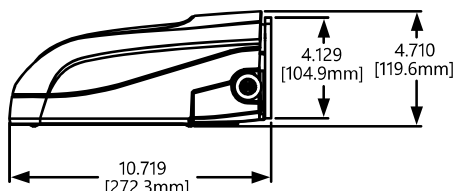
TOP VIEW



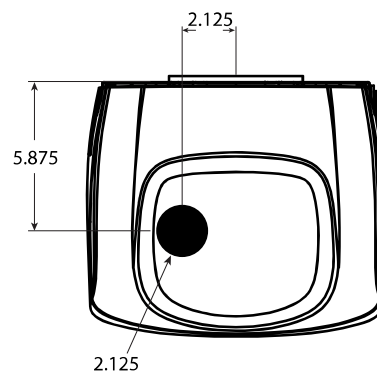
FRONT VIEW



SIDE VIEW



7-PIN RECEPTACLE/ TOP OF LUMINAIRE



Mounting

Flush Mount: Mounts directly to customer supplied junction box
 Surface Mount: Mounts to walls via separate mounting holes.
 Adjustable for 1.25 to 1 in. nominal mounting pipe
 Integral diecast mounting pipe stop