



Evolve[®]
LED Wall Pack
A-Series (EWAS)



GE current
a Daintree company

Evolve® LED Wall Pack

A-Series (EWAS)



Project name _____
Date _____
Type _____

The Evolve® LED A-Series Wall Pack, EWAS, is a designed replacement for 50W to 400W HID, while offering significant energy savings in a long-life LED wall pack. The A-Series Wall Pack offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens.

Typical Specifications: EWAS

Applications

- Wall mounted, site, area and general lighting utilizing an advanced LED optical system providing uniformity, improved vertical illuminance, reduced on-site glare and effective security light levels.

Housing

- Die-cast aluminum housing.
- Slim architectural design incorporates an integral heat sink and light engine, ensuring maximum heat transfer and a long LED life.
- 3G vibration per ANSI C136.31-2010.

LED & Optical Assembly

- Structured LED array for optimized area light and wall pack photometric distributions.
- Evolve LED light engine utilizes reflective technology to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.

Lumen Maintenance

- Projected Lxx per IES TM-21 at 25°C for reference:

EWAS01 OPTICAL CODES	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

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

Lumen Ambient Temperature

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

Ratings

- UL/cUL listed, suitable for wet locations.
- IP66 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40°C to 40°C. (EMBB -20°C to 40°C).
- Upward Light Output Ratio (ULOR) = 0
- Title 24 compliant with "H & H2" motion sensor option.
- Compliant with the material restriction requirements of RoHS.

Mounting

- **Flush Mount:** Mounts directly to customer supplied junction box.
- **Surface Mount:** Mounts to walls via separate mounting holes.

Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: White, Gray, Black and Dark Bronze.
- RAL & custom colors available.

Electrical

- 120-277 VAC and 347-480 VAC available.
- System power factor is $\geq 90\%$ and THD $\leq 20\%^*$.
- Button PE available for all voltages.
- Dimming/Occupancy:
 - 0-10V continuous dimming
 - "H" option code = Wattstopper® motion sensor.
 - "H2" option code = Daintree® motion sensor.
- Surge Protection per ANSI C136.2-2015.
 - 6kV/3kA "Basic" surge protection, standard.
 - 10kV/5kA "Enhanced" surge protection optional.

* System PF and THD specified at rated watts

Emergency Battery Backup (EMBB)

- 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.

Warranty

- **System Warranty:** 5 Year Standard.

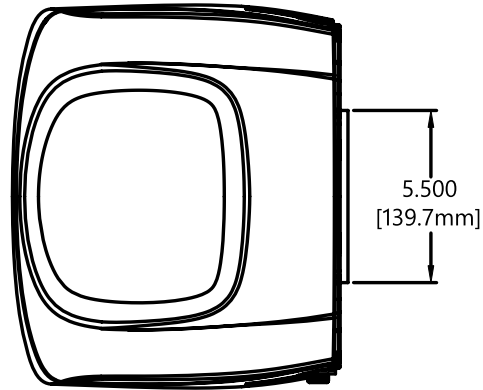
Evolve[®]
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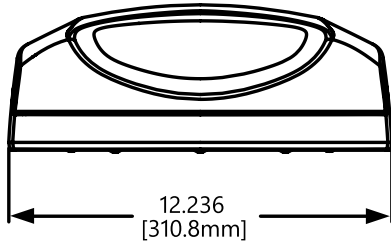
Project name _____
Date _____
Type _____

Product Dimensions

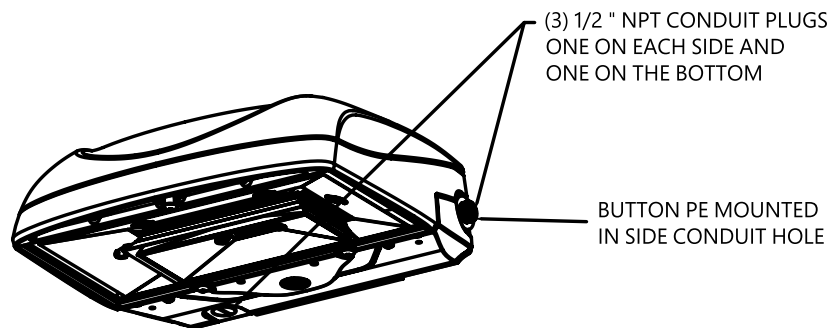
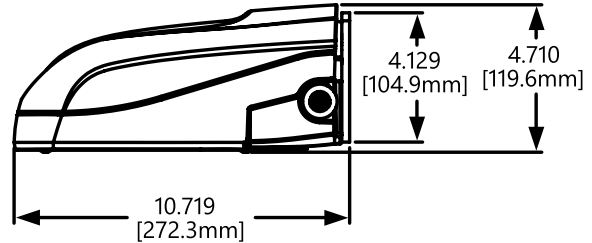
TOP VIEW



FRONT VIEW



SIDE VIEW

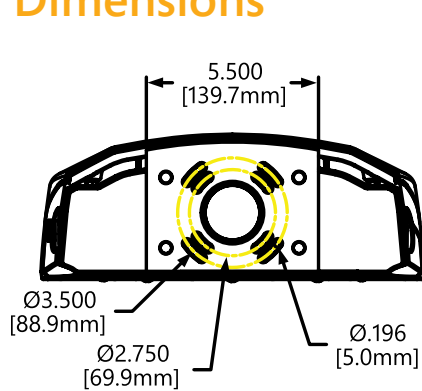


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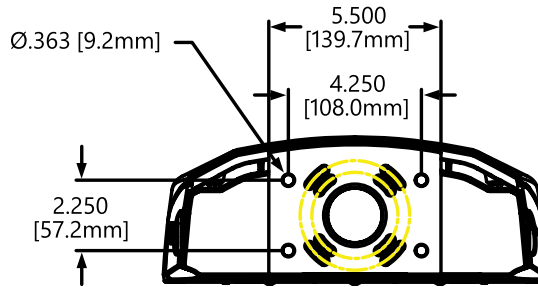
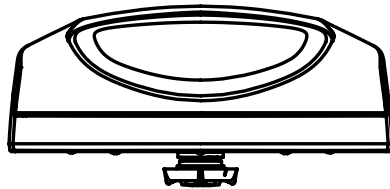


Project name _____
 Date _____
 Type _____

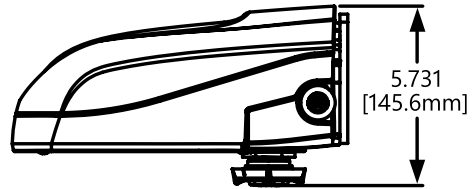
Product Dimensions



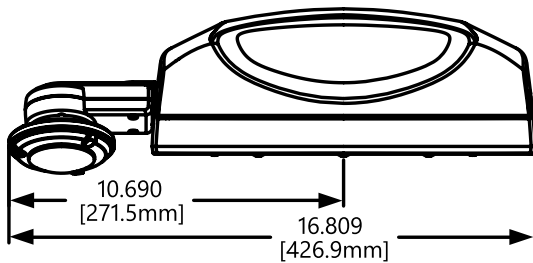
FLUSH MOUNT
 3-1/2 TO 4 INCH MOUNTING BOX



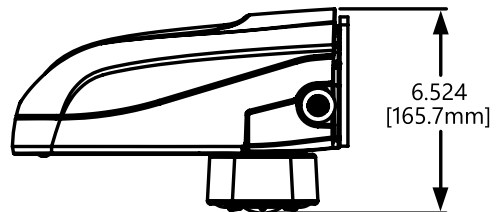
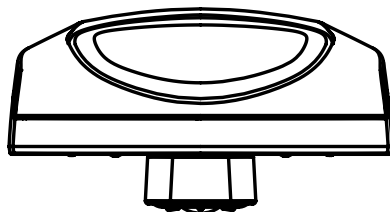
SURFACE MOUNT



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



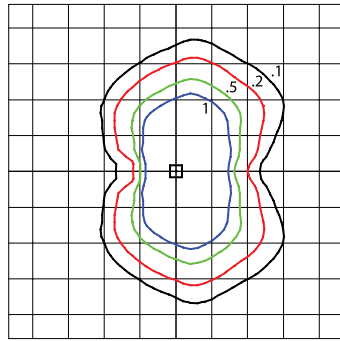
H2 Option - Daintree Motion Sensor
 Bottom mount available with A, B, C, D, & E Optical Codes Only

Photometrics:

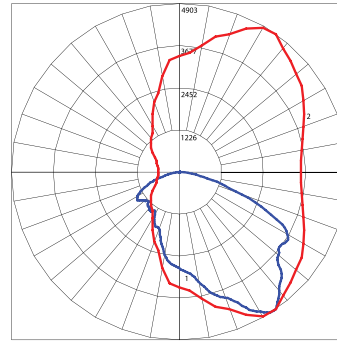
A-Series (EWAS)

EWAS ASYMMETRIC NARROW (D2AN750)

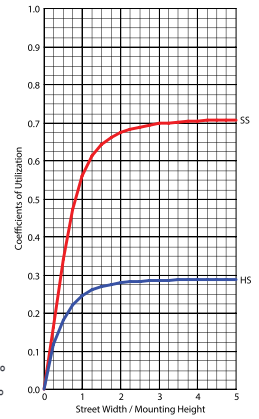
10,100 Lumens
5000K
EWAS01_D2AN750_IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade

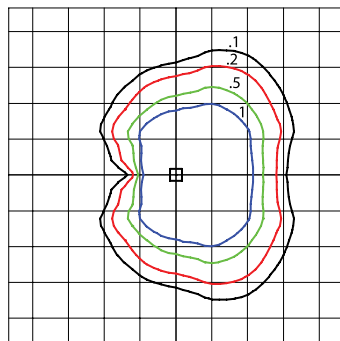


— Vertical plane through horizontal angle of Max. Cd at 55°
— Horizontal cone through vertical angle of Max. Cd at 34°

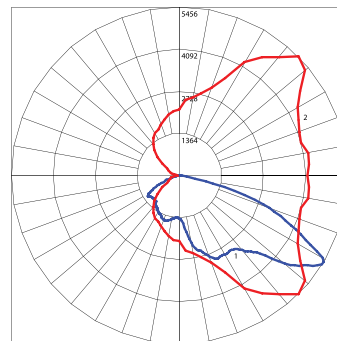


EWAS ASYMMETRIC WIDE (D3AW750)

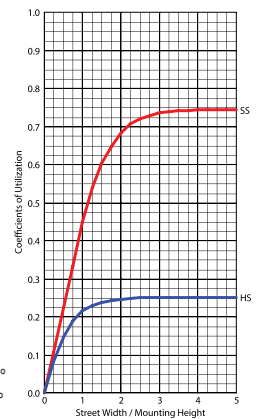
10,200 Lumens
5000K
EWAS01_D3AW750_IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade

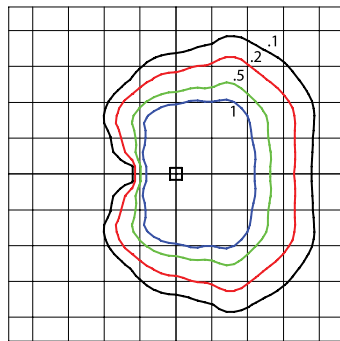


— Vertical plane through horizontal angle of Max. Cd at 45°
— Horizontal cone through vertical angle of Max. Cd at 59°

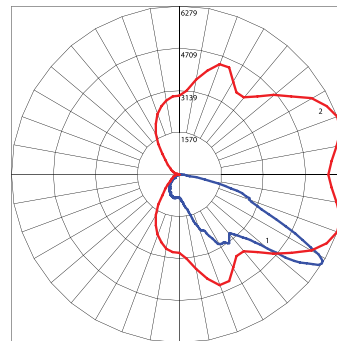


EWAS ASYMMETRIC FORWARD (D4AF750)

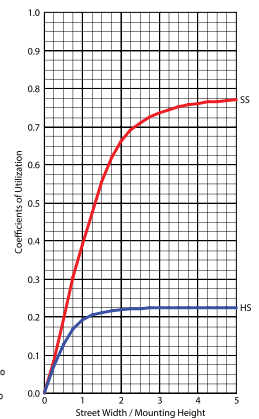
10,000 Lumens
5000K
EWAS01_D4AF750_IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade

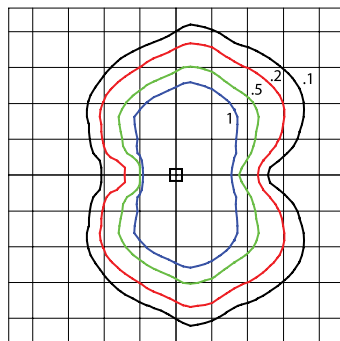


— Vertical plane through horizontal angle of Max. Cd at 20°
— Horizontal cone through vertical angle of Max. Cd at 58°

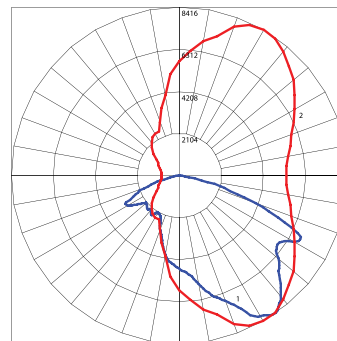


EWAS ASYMMETRIC NARROW (G2AN750)

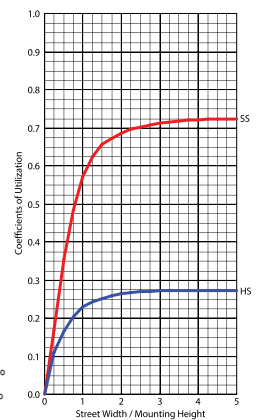
17,100 Lumens
5000K
EWAS01_G2AN750_IES



Grid Distance in Units of Mounting Height at 15'
Initial Footcandle Values at Grade



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

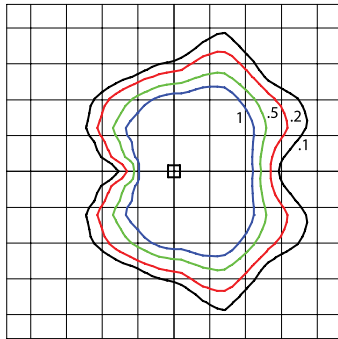


Photometrics:

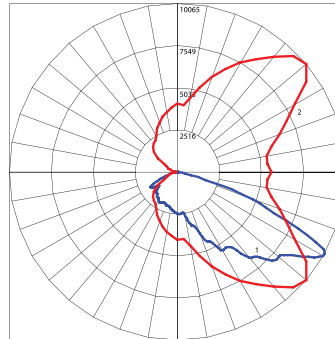
A-Series (EWAS)

EWAS ASYMMETRIC WIDE (G3AW750)

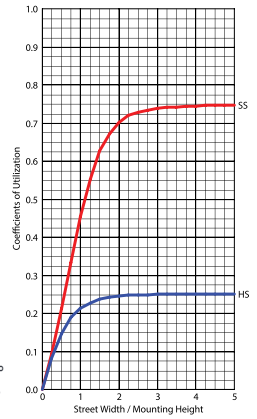
17,300 Lumens
5000K
EWAS01_G3AW750_IES



Grid Distance in Units of Mounting Height at 15' Initial Footcandle Values at Grade

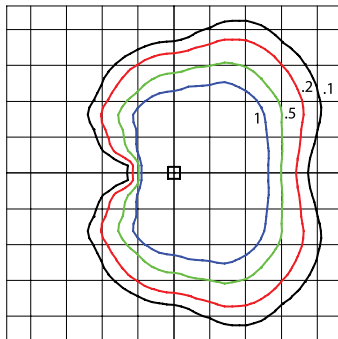


— Vertical plane through horizontal angle of Max. Cd at 40°
— Horizontal cone through vertical angle of Max. Cd at 61°

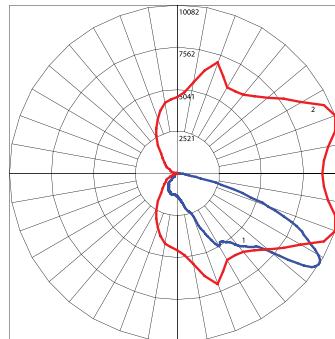


EWAS ASYMMETRIC FORWARD (G4AF750)

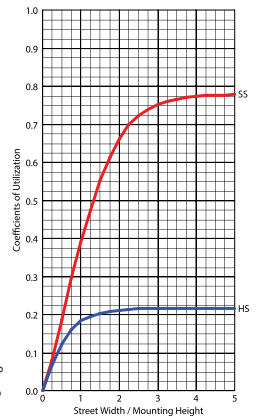
17,000 Lumens
5000K
EWAS01_G4AF750_IES



Grid Distance in Units of Mounting Height at 15' Initial Footcandle Values at Grade



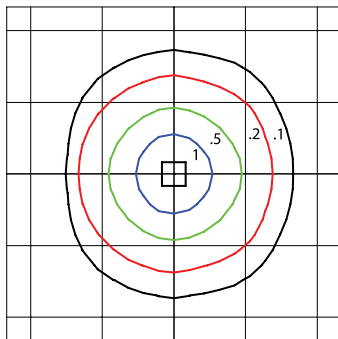
— Vertical plane through horizontal angle of Max. Cd at 20°
— Horizontal cone through vertical angle of Max. Cd at 57°



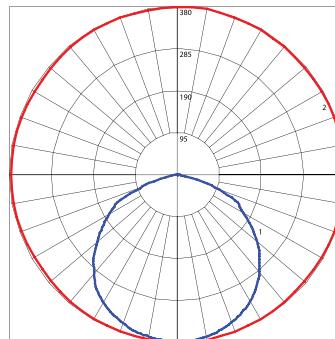
EWAS

(With Emergency Battery Backup in Operation)

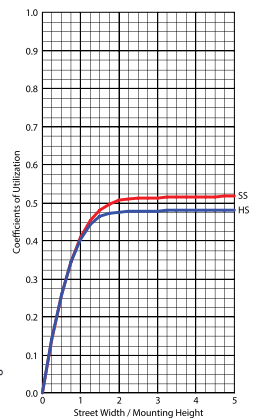
1,000 Lumens
3000K, 4000K, 5000K
EWAS01_With Emergency Battery Backup On_IES



Grid Distance in Units of Mounting Height at 15' Initial Footcandle Values at Grade



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



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Accessories

Motion Sensing Option:

H = Wattstopper®

- Intended for 8-25ft mounting heights
- Provides a coverage area radius for walking motion of 25-30ft
- Provides 180° coverage (~180° blocked by wall).
- Photoelectric control is integrated
- Factory set at 10% dimming after 5 minutes with no occupancy
- May be programmed using additional remote programmer. Remote programmer part number WS FSIR-100 Programmer (197634)

H2 - WHS100 Daintree®

- Intended for 8-25ft mounting heights
- Provides a coverage area radius for walking motion of 25-30ft
- Provides 180° coverage (~180° blocked by wall).
- Factory preset to 50% dimming with no occupancy
- Photoelectric control is integrated through the motion sensor and is offered as standard
- Requires Daintree Enterprise and wide area control (WAC)

