EVOLVE

EWLS L Series
LED Wall Pack

The Evolve® LED L Series Wall Pack (EWLS), The Evolve LED L-Series Wall Pack, EWLS, is a designed replacement for 50W to 250W HID, while offering significant energy savings in a long-life LED wall pack. Two-screw housing design enables a fast and simplified installation. The low-watt Egress package is designed to meet recommended illuminance requirements for egress applications such as side and rear exit doors in commercial buildings. Available with Emergency Battery Backup option.

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 Color: Black, Dark Bronze, Gray & White (RAL & custom colors available) Optional = Coastal Finish
Weight:	8.5lbs (4 kg)

Optical System

Lumens:	1,700 to 7,000
Distribution:	Asymmetric Forward
Efficacy:	117- 148 LPW
CCT:	2700, 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

Surge Protection	10kV/5kA (Standard) 3kV/1.5kA (EMBB)

*Per ANSI C136.2-2015

Emergency Battery Backup

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

• Hold-Up Time: 90 minutes @ 1,400 lumens.
• Meet egress light level and uniformity requirements
• Not available in 347V
• Operating Temperature (for EMBB models) 0° to 40°C
• 3kV/1.5kA surge protection for EMBB models.

Lumen Maintenance

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

LUMEN CODES	DISTRIBUTION	LXX(10K) @ HOURS		
		25,000 HR	**50,000 HR**	**60,000 HR**
17, 25 & 40	AF	L99	L99	L99
70	AF	L94	L87	L85

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 per ANSI C136.31-2010
LM-79:	Testing in accordance with IESNA Standards

Controls

Dimming:	Standard - 0-10V
Sensors:	Photo Electric Sensors (PE) available Motion Sensor

Warranty

5 Year (Standard)

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

DLC LISTED · ida DARK SKY APPROVED · IP66 Optical · RoHS COMPLIANT · UL LISTED · UL CERTIFIED · UL1598

Current

EVOLVE

EWLS L Series
LED Wall Pack

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

Ordering Information

E W L S 02   AF   70

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

PROD. ID	GEN	VOLTAGE	OPTIC CODE	DISTRIBUTION	CRI (MIN)	CCT	DIMMING	PE FUNCTION	MOUNTING	COLOR	OPTIONS
E = Evolve W = Wallpack LS = L–Series	02	0 = 120-277V 1 = 120V[1] 2 = 208V[1] 3 = 240V[1] 4 = 277V[1] 8 = 120-240V[10] D = 347V[1]	17 = 1,700 lm[2] 25 = 2,500 lm 40 = 4,000 lm 70 = 7,000 lm	AF = Asymmetric Forward	7 = 70	27 = 2700K[3] 30 = 3000K[3] 40 = 4000K 50 = 5000K	N = No External Dimming Leads D = External Dimming Leads[5]	1 = None 3 = Button PE[7]	CB = Conduit Box Mount[4] FM = Flush Mount	BLCK = Black DKBZ = Dark Bronze GRAY = Gray	EMBB = Emergency Battery Backup[5,6] H = Motion Sensor (Wattstopper)[6,8,9] XXX = Special Options W = Non-Graphical White Box

[1] Specify single voltage if Button PE option is selected

[2] Optic code 17 - Not offered in 120-277V, use 120 240V

[3] Select 2700K or 3000K CCT for IDA approved units

[4] Must be selected when ordering with Button PE, Motion Sensor, 347V or Emergency Battery Backup

[5] Not available with motion sensor

[6] Not available in 347V

[7] Button PE not available with EMBB. Button PE not available with H Motion Sensor. Motion sensor includes dusk-to-dawn control as well as motion control.

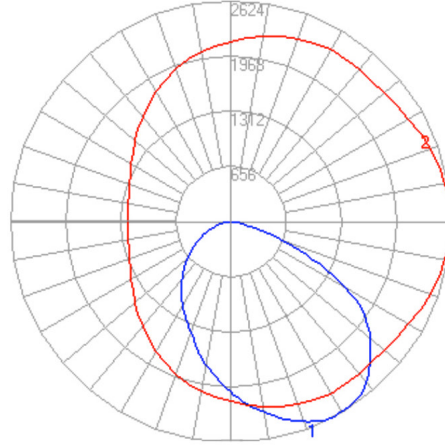[8] WS FSIR-100 (Sku# 197634) needed for programming sensor.

[9] Must select Controls "N" with Motion Sensor "H"

OPTIC CODE	DISTRIBUTION	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		BUG RATINGS 2700K-5000K
		2700K	3000K	4000K/5000K	120-277V	347V	B-U-G
17	AF	1400	1600	1700	12	14	B1-U0-G0
25		2200	2400	2500	17	19	B1-U0-G1
40		3500	3800	4000	27	29	B1-U0-G1
70		6100	6700	7000	52	54	B2-U0-G1
EMBB	–	1300	1400	1400	–	–	B1-U0-G0

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

Current

LED.com

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OLP3127_R05

70AF
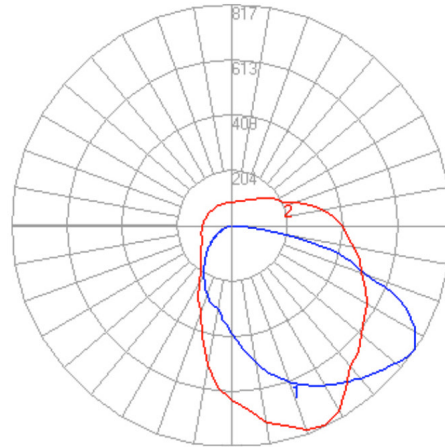ASYMMETRIC FORWARD

7000 LUMEN
EWLS02_70AF750___-120-277V.ies

— Vertical plane through horizontal angle of Max. Cd at 0°
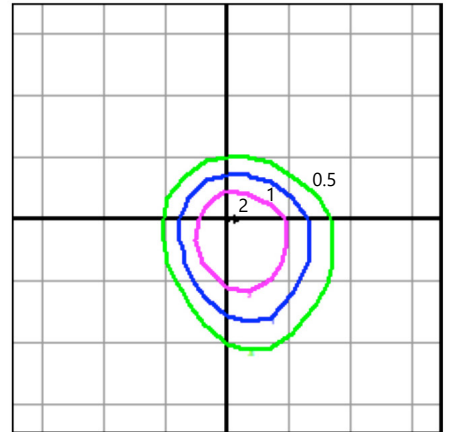— Horizontal cone through vertical angle of Max. Cd at 27°
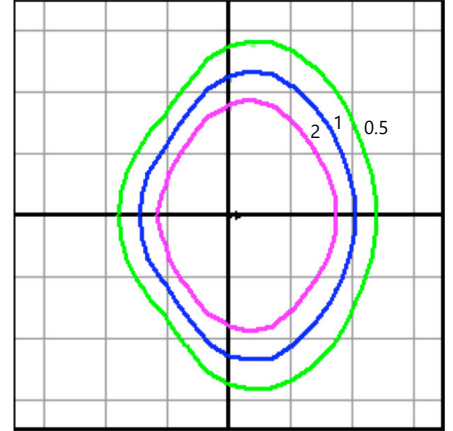
• Mounting Height at 10'
• Initial Footcandle at Grade
• Light Level: 0.5fc, 1fc, 2fc

EMBB Mode
ASYMMETRIC FORWARD

1400 LUMEN
EWLS02_EMBB___.ies

— Vertical plane through horizontal angle of Max. Cd at 295°
— Horizontal cone through vertical angle of Max. Cd at 55°

• Mounting Height at 10'
• Initial Footcandle at Grade
• Light Level: 0.5fc, 1fc, 2fc

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H Motion Sensing Option

| |
|---|
| Intended for 8-25ft mounting heights |
| Provides coverage area radius for walking motion of 25-30 ft |
| Provides 180° degree coverage (180° degree blocked by wall) |
| Integrated Photoelectric control |
| **Default Settings:** |
| Output: Occupied - 100%/Unoccupied - 50% |
| 10% dimming after 5 minutes with no occupancy |
| Adds < 1W to fixture power rating |
| Field programmable using FSIR-100 hand held programmer **SKU # 197634 (WS FSIR-100)** |

Sensing Pattern:
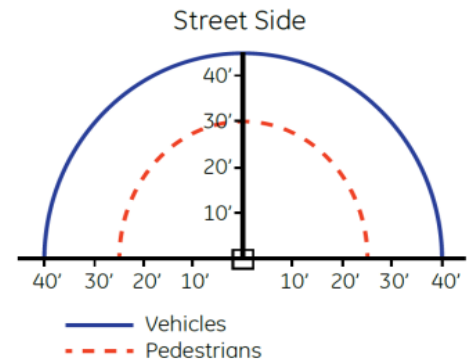
Sensing Pattern Wall Pack Fixture: 8-25 ft.

Flush Mount

Conduit Box Mount

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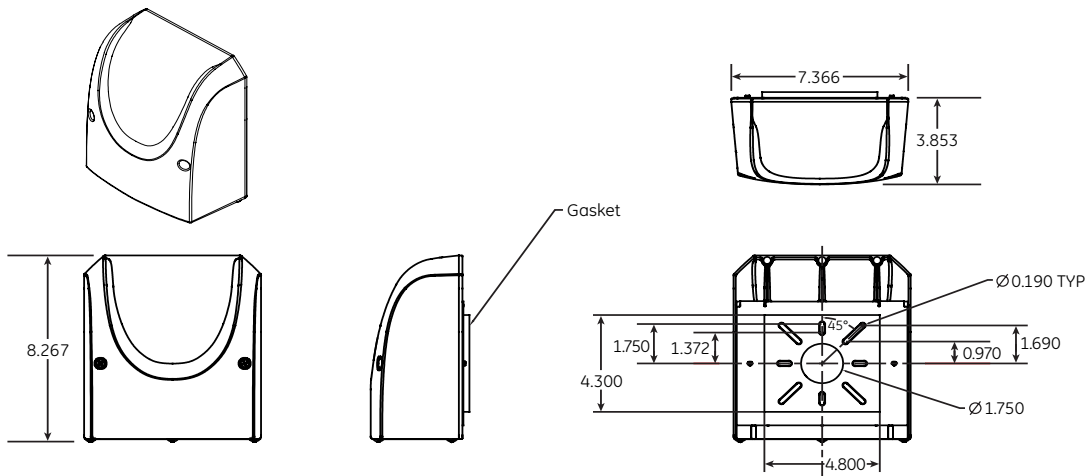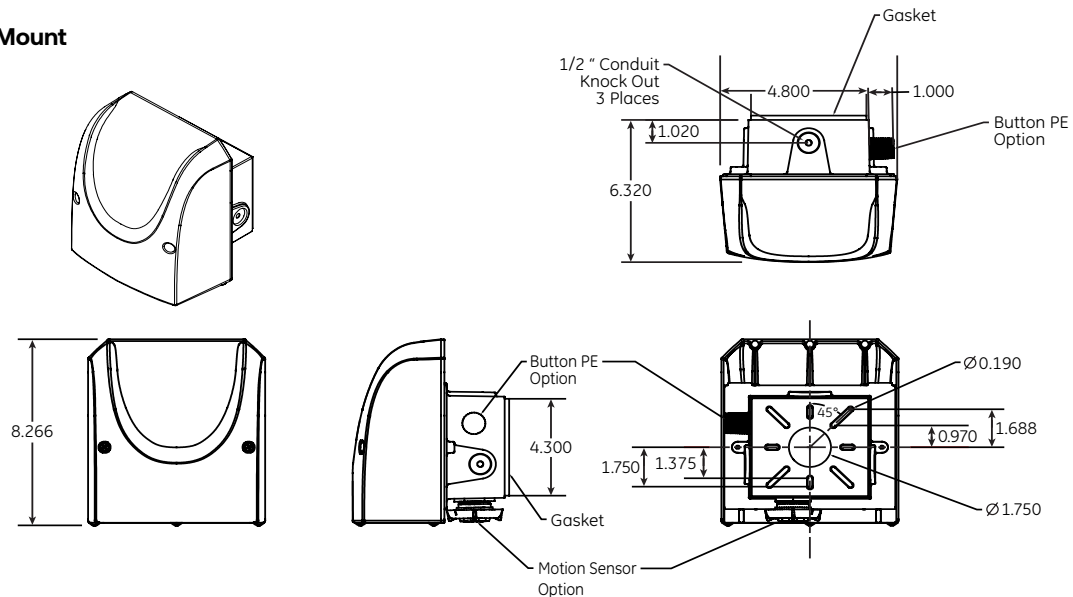
CUSTOMER NAME _____

PROJECT NAME _____

DATE _____   TYPE _____

CATALOG NUMBER _____

Mounting

• Mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes.

• Flush Mount: Mounts directly to customer supplied junction box

• Conduit Box Mount: Mounts to walls via separate mounting box with conduit knockouts.

Accessories

SAP NUMBER	SKU DESCRIPTION	DESCRIPTION	FINISH
93098508	EWLSAE1BLCK	10" x 12" Beauty Plate	BLACK
93098507	EWLSAE1DKBZ	10" x 12" Beauty Plate	DARK BRONZE
93098509	EWLSAE2BLCK	12" x 16" Beauty Plate	BLACK
93078134	EWLSAE2DKBZ	12" x 16" Beauty Plate	DARK BRONZE
93098506	EWLSAE2GRAY	12" x 16" Beauty Plate	GRAY
93082336	EWLSAE2WHTE	12" x 16" Beauty Plate	WHITE
93117503	EWLSAE3BLCK	12" x 20" Beauty Plate	BLACK
93082337	EWLSAE3WHTE	12" x 20" Beauty Plate	WHITE
93060351	EWLSAD	Diffuser	

Accessories: Escutcheon Plates

Cover the unsightly debris marks on your building facade with color matched wall pack beauty plates. Mounting hole patterns and dimensions are compatible with typical building surface fastening methods.

Large Beauty Plates 12 x 20

Medium Beauty Plates 12 x 16

Small Beauty Plates 10 x 12