



Fixture Type

Date

Job Name

Approved By

Catalog Number

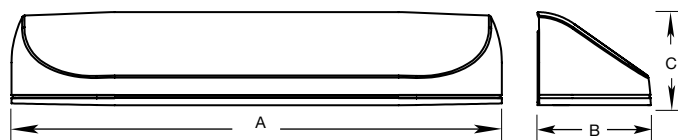
SPECIFICATIONS

- Description** The Architectural Egress Luminaire combines a unique, patented design shaped with high performance, full cut-off optics to achieve completely unobtrusive illumination of a space or path of egress. When mounted over a doorway, the fixture is perceived as an element of the building structure and, additionally, provides water protection in the form of a drip cap over the doorway. Multiple lengths are available to match a given door opening and our unique quick mount system facilitates installation and maintenance.
- Housing** Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat.
- Wall Mount** Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.
- Lens Frame** Marine grade heat treated extruded aluminum, clear anodized. Secured to fixture via integral concealed hinge and (3) captive stainless steel TORX® head screws.
- Lens** UV stabilized diffused extruded polycarbonate.
- End Caps** Die-cast marine grade aluminum continuously welded to housing. All welds ground smooth.
- Reflector** Electrostatically brightened anodized aluminum PVD coated and absolutely color-free of iridescence. Shaped to provide full cutoff, LED point dispersion and maximum efficiency.
- Drivers** Constant current drivers at 700mA.
- LED** Samsung LM561B+ Series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L₇₀ projected life of 130,000 hours at 50°C. Tested in accordance with LM-80. Ten year warranty on LED boards against operational defects.
- Gaskets** Closed cell self-adhesive neoprene to provide watertight seal between fixture and wall and between fixture and lens frame.
- Listings** U.L., C.U.L., Wet standard.
- Lifetime Warranty** Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.



DIMENSIONAL DATA

	A	B	C
AEL 12	20.79	5.40	3.60
AEL 24	32.04	5.40	3.60
AEL 36	43.29	5.40	3.60
AEL 48	54.75	5.40	3.60
AEL 72	78.75	5.40	3.60



ORDERING INFORMATION

SERIES	LED	CCT	VOLTS	DRIVER	LENS	COLOR	OPTIONS		TX/SD
AEL 12	10W	2700K	120-277	CC	DP	BKH	DIM	EMB10ST	
AEL 24	10W	3000K	347	DIM		BZH	A/B	EMB310	
	20W	3500K		PRD		SVH	2B	EMB310ST	
AEL 36	15W	4000K				WOP	PC	EMB20R	
	30W	5000K				CUST	GLR	EMB125R	
AEL 48	20W						OCC	EMB250R	
	35W						OCC50	EMBDA	
AEL 72	30W							ST/SC	
	55W								
	PRD: Specify Watts or Lumens Above								

CC = Constant Current (Standard)

DIM = 0-10V Dimming, 10% at lowest level

PRD = Programmable driver. Specify Watts or Lumens in Ordering Information under "LED" column. N/A with AEL12.



OPTIONS

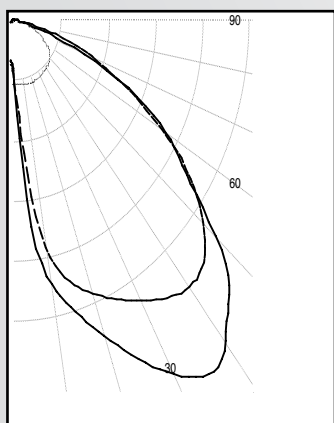
LENS	DP = Diffused Polycarbonate.				
COLORS	BKH = Black (Hammerstone)	BZH = Bronze (Hammerstone)	SVH = Silver (Hammerstone)	WOP = White (Textured White)	CUST = Custom Color (Consult Factory)
PRD	Programmable driver. When ordering, must specify Watts or Lumens. Consult factory for availability. Not Available in AEL12.				
DIM	0-10V dimming driver. 10% at lowest level. (N/A with AEL12)				
A/B	Aluminum surface back box. Finished with polyester powder coat to match the fixture.				
2B	(2) LED drivers for independent LED board operation. (N/A with AEL12, N/A with any OCC option, N/A with AEL24 and EMB options, N/A with AEL36 and EMB310)				
PC	Photoelectric switch.				
GLR	Fuse and fuse holder.				
OCC	Passive infrared sensor mounted in machine hole in end cap. All LEDs sensed on/off. Maximum coverage of 10' radius from 8' height.				
OCC50	Passive infrared sensor mounted in machine hole in end cap. 50% of LED's constantly on and 50% sensed on/off. N/A with AEL12.				
EMB10ST	1000 lumen self-testing, self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Not available in 347V. Available for AEL24, AEL36, AEL48, and AEL72 lengths only. N/A with 2B option in AEL24. Meets CA Title 20 Standards.				
EMB310	1000 lumen self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Not available in 347V. Available for AEL36, AEL48, and AEL72 lengths only. N/A with 2B option. Meets CA Title 20 Standards.				
EMB310ST	1000 lumen self-testing, self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Not available in 347V. Available for AEL36, AEL48, and AEL72 lengths only. N/A with 2B option. Meets CA Title 20 Standards.				
EMBDA	Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes. Not available in 347V. Available in AEL72" length only.				
EMB20R	Remote mounted micro inverter that will operate a 25W maximum load for 90 minutes. 0°C (32°F) to 45°C (113°F).				
EMB125R	Remote inverter that will operate a 125W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F). Not available in 347V.				
EMB250R	Remote inverter that will operate a 250W maximum load for 90 minutes. 20°C (68°F) to 30°C (86°F). Not available in 347V.				
ST/SC	Phillips head screws instead of TORX® head.				
TX/SD	TORX® head bit.				

PHOTOMETRIC DATA

Model	Watts	Input Watts		Delivered Lumens								
				2700K		3000K		3500K		4000K		5000K
AEL 12	10W	10.8W		736		747		760		784		807
AEL 24	10W	9.4W		820		832		847		873		899
AEL 24	20W	17.6W		1535		1557		1585		1634		1682
AEL 36	15W	14.9W		1231		1248		1271		1310		1348
AEL 36	30W	26.3W		2954		2995		3049		3143		3237
AEL 48	20W	18.8W		1908		1935		1969		2030		2090
AEL 48	35W	35.2W		3568		3616		3682		3796		3909
AEL 72	30W	27.9W		3117		3162		3217		3317		3417
AEL 72	55W	52.2W		5830		5911		6017		6203		6389
AEL xx	PRD			Programmable Driver. Specify Watts or Lumens in Ordering Information.								

MODEL AEL12-10W-4000K

Delivered Lumens: 726 Lumens



IES FILE: AEL12-10W-4000K

Total Power: 10.8W

Testing was performed in accordance with IES LM-79-08

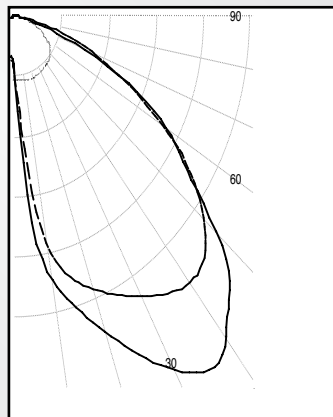
Bug Rating: B0U0G0

Zone	Lumens	% Lamps
0 - 30	153	21.1
0 - 40	287	39.5
0 - 60	585	80.6
60 - 90	726	100.0
0 - 90	439	60.5
90 - 180	0	0.0
0 - 180	726	100.0

PHOTOMETRIC DATA

MODEL AEL36-15W-4000K

Delivered Lumens: 1652 Lumens



IES FILE: AEL36-15W-4000K

Total Power: 15.01W

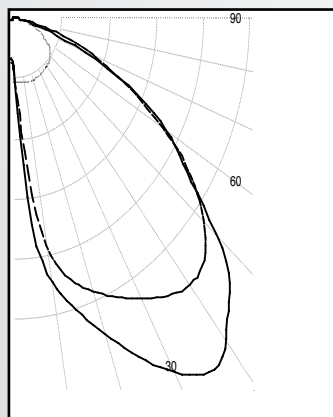
Testing was performed in accordance with IES LM-79-08

Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	427	25.8
0 - 40	724	43.9
0 - 60	1350	81.7
60 - 90	302	18.3
0 - 90	1652	100.0
90 -180	0	0.0
0 - 180	1652	100.0

MODEL AEL36-30W-4000K

Delivered Lumens: 3141 Lumens



IES FILE: AEL36-30W-4000K

Total Power: 29.7W

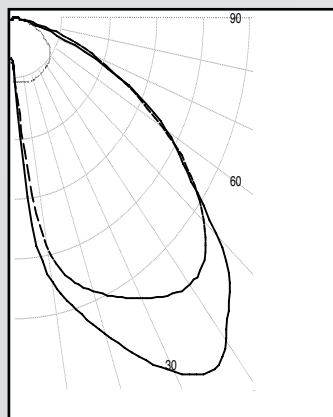
Testing was performed in accordance with IES LM-79-08

Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	821	26.1
0 - 40	1388	44.2
0 - 60	2575	88.0
60 - 90	566	18.0
0 - 90	3141	100.0
90 -180	0	0.0
0 - 180	3141	100.0

MODEL AEL72-30W-4000K

Delivered Lumens: 3072 Lumens



IES FILE: AEL72-30W-4000K

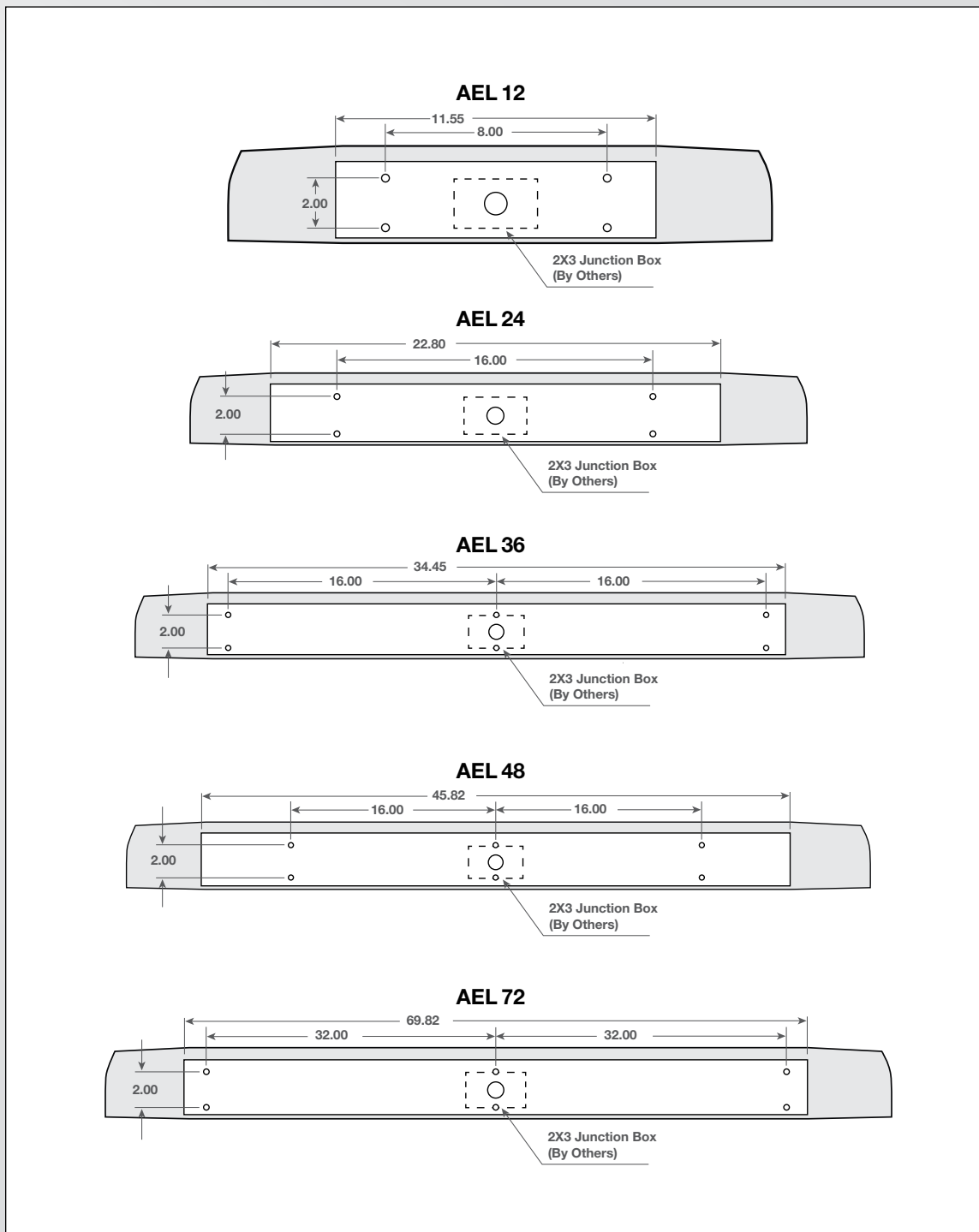
Total Power: 27.09W

Testing was performed in accordance with IES LM-79-08

Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	771	25.1
0 - 40	1353	44.1
0 - 60	2529	82.3
60 - 90	3072	100.0
0 - 90	1718	17.7
90 -180	542	0.0
0 - 180	3072	100.0

MOUNTING PLATE DETAILS



ALUMINUM BACKBOX DETAIL

A/B Detail

	A	B	C
AEL 12 Backbox	20.80	5.20	1.50
AEL 24 Backbox	31.48	5.20	1.50
AEL 36 Backbox	43.30	5.20	1.50
AEL 48 Backbox	54.75	5.20	1.50
AEL 72 Backbox	78.75	5.20	1.50

