

ARCHITECTURAL EGRESS

Vandal Resistant

AEL Full Cut-Off LED



WALL MOUNT
LED

Fixture Type	Date
Job Name	Approved By
Catalog Number	

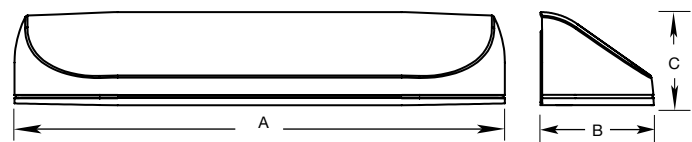
SPECIFICATIONS

- 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 350mA. High output version utilizes 700mA.
- LED** Samsung LM561B+ Series @ 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.
- UL Listing** 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



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ORDERING INFORMATION

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

OPTIONS

LENS	DP = Diffused Polycarbonate.
COLORS	BKH = Black (Hammerstone) BZH = Bronze (Hammerstone) SVH = Silver (Hammerstone) WOP = White (Textured White) PCP = Black (Prime Coat Paintable) CUST = Custom Color (Consult Factory)
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.
PC	Photoelectric switch.
2B	(2) LED drivers for independent LED board operation. (N/A with AEL12, N/A with the OCC option)
GLR	Fuse and fuse holder.
OCC	Passive infrared sensor mounted in machine hole in end cap. 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. (N/A with AEL12)
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 AEL 36, AEL48, and AEL72 lengths only)
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 AEL 36, AEL48, and AEL72 lengths 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.
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 the 72" length only)
ST/SC	Slotted screws instead of TORX® head.
TX/SD	TORX® head bit.



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Luminaire LED Incorporated products are manufactured in the USA with components purchased from USA suppliers, and meet the Buy American requirements under the ARRA. Content of specification sheets is subject to change; please consult our website for current product information.

Rev: 06/17+

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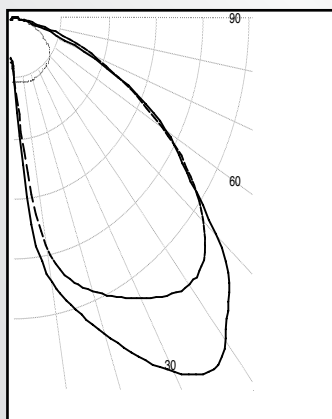
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PHOTOMETRIC DATA

Model	Watts	Input Watts	Delivered Lumens			
			3000K	3500K	4000K	5000K
AEL 12	10W	10.8W	747	760	784	807
AEL 24	10W	9.4W	832	847	873	899
AEL 24	20W	17.6W	1557	1585	1634	1682
AEL 36	15W	14.9W	1248	1271	1310	1348
AEL 36	30W	26.3W	2995	3049	3143	3237
AEL 48	20W	18.8W	1935	1969	2030	2090
AEL 48	35W	35.2W	3616	3682	3796	3909
AEL 72	30W	27.9W	3162	3217	3317	3417
AEL 72	55W	52.2W	5911	6017	6203	6389

MODEL AEL12-10W-4000K

Delivered Lumens: 726 Lumens



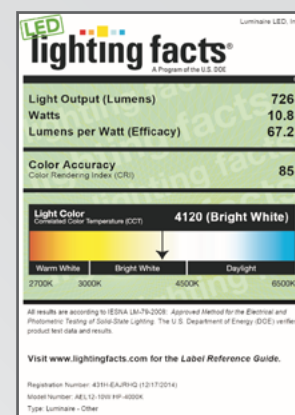
IES FILE: AEL12-10W-4000K

Total Power: 10.8W

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

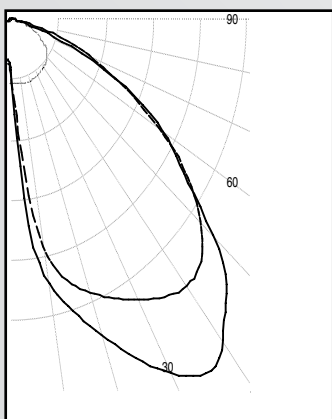
Bug Rating: B0U0G0

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



MODEL AEL36-15W-4000K

Delivered Lumens: 1213 Lumens



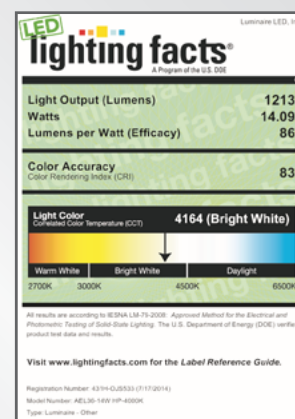
IES FILE: AEL36-15W-4000K

Total Power: 14.09W

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

Bug Rating: B0U1G0

Zone	Lumens	% Lamps
0 - 30	381	31.4
0 - 40	635	52.3
0 - 60	1063	87.7
60 - 90	150	12.3
0 - 90	1213	100.0
90 -180	0	0.0
0 - 180	1213	100.0



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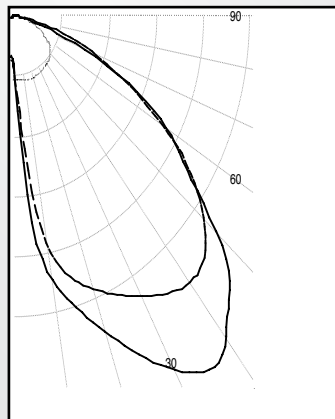
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PHOTOMETRIC DATA

MODEL AEL36-30W-4000K

Delivered Lumens: 2911 Lumens



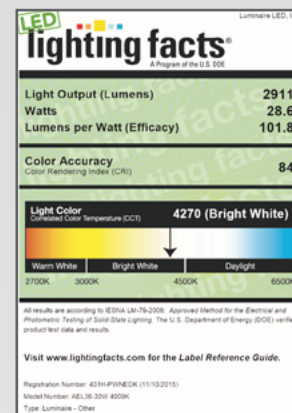
IES FILE: AEL36-30W-4000K

Total Power: 28.6W

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

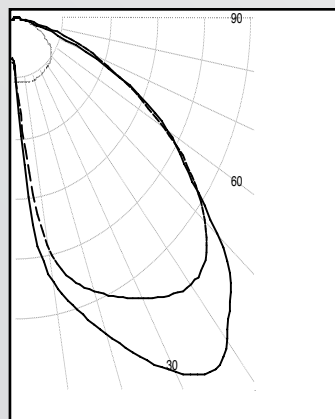
Bug Rating: B0U0G0

Zone	Lumens	% Lamps
0 - 30	754	25.9
0 - 40	1308	44.9
0 - 60	2417	83.0
60 - 90	494	17.0
0 - 90	2911	100.0
90 - 180	0	0.0
0 - 180	2911	100.0



MODEL AEL72-30W-4000K

Delivered Lumens: 3072 Lumens



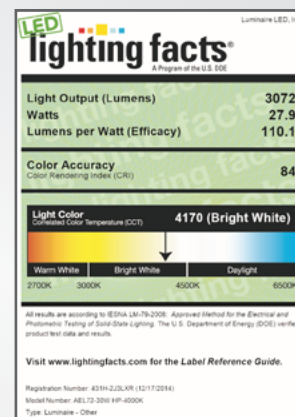
IES FILE: AEL72-30W-4000K

Total Power: 27.09W

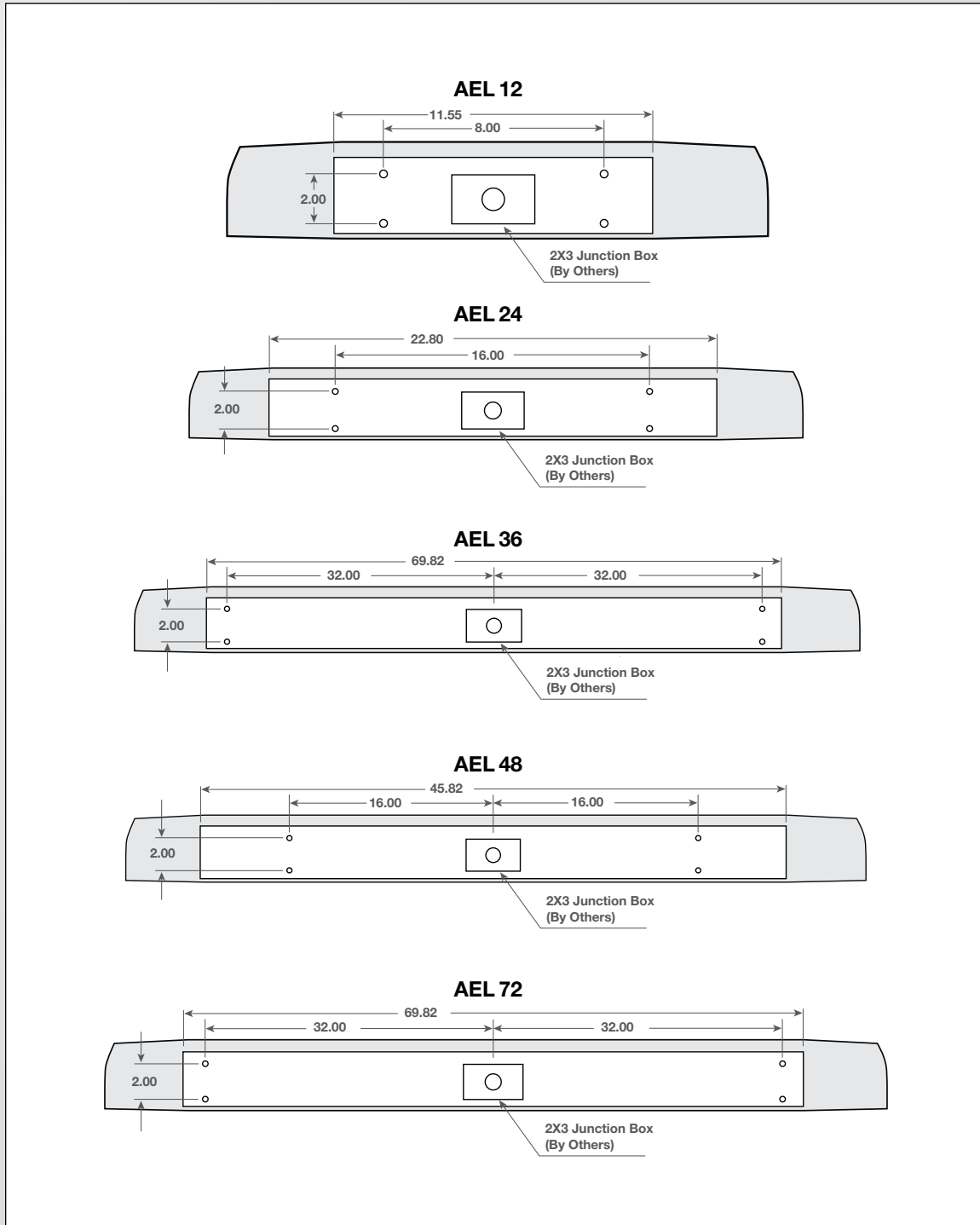
Testing was performed in accordance with IES LM-79-08

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

