Architectural Egress

AEL

Full Cut-off
Vandal Resistant Fluorescent

WALL MOUNT
LAMPS: T5, T5HO

Project Information

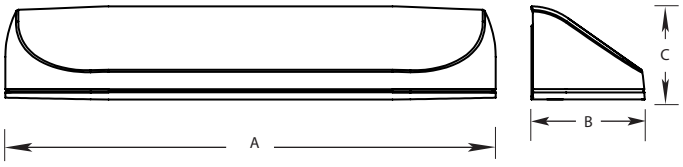
Fixture Type	Date
Job Name	
Approved By	
Catalog Number	AEL - 24" - 1F14T5 - 120 - CP - BKH -

SPECIFICATIONS

Description	The AEL series combines a unique patented design shape with high performance full cut-off optics to achieve completely unobtrusive illumination of a space. 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 clear extruded polycarbonate.
End Caps	Die-cast marine grade aluminum continuously welded to housing. All welds ground smooth.
Reflector	Precision die formed specular aluminum with minimum 98% reflectivity. Shaped to provide full cutoff and maximum efficiency.
Ballast	Electronic high frequency programmed start ballast with less than 10% total harmonic distortion, 120-127V only. 347V optional.
Sockets	Precision spring loaded snap type for maximum impact damping.
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.UL., Wet standard.
Lifetime Warranty	Luminaire Lighting Corporation will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

	A	B	C
AEL24	32.04	5.40	3.60
AEL36	43.29	5.40	3.60
AEL48	54.75	5.40	3.60
AEL72	78.75	5.40	3.60



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P. 732.549.0056 F. 732.549.9737

Made in

Luminaire Lighting Corporation products are manufactured in the USA with components purchased from USA suppliers, and meet the Buy American requirements under the ARRA.

Luminaire Led
www.luminairelighting.com

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Fixture Type

ORDERING INFORMATION

SERIES	LENGTH		LAMPS		VOLTS		LENS		COLORS		OPTIONS		TX/SD (REQUIRED)
AEL	24"	—	1F14T5	—	120	—	CP	—	BKH	—		—	

LENGTH	LAMPS (not included)	VOLTS	LENS	COLORS	OPTIONS
24″	24″	**120**	**CP**	**BKH -**	**PC**
36″	**1F14T5**	**277**	Clear	Black	**GLR**
48″	**1F24T5HO**	**347**	Polycarbonate	Hammertone	**EMB54**
72″				**BZH -**	**EMB600**
	36″			Bronze	**EMB600R**
	1F21T5			Hammertone	**OCC**
	1F39T5HO			**SVH -**	**ST/SC**
				Silver	
	48″			Hammertone	
	2F14T5			**WOP -**	
	2F24T5HO			White	
	1F28T5			Orange Peel	
	1F54T5HO			**PCP -**	
				Prime coat,	
	72″			paintable	
	2F21T5			**CUST -**	
	2F39T5HO			Custom color,	
				Consult factory	

OPTIONS

PC	Photoelectric switch.
GLR	Fuse and fuse holder.
EMB54	700 lumen self contained 90 minute emergency battery pack. 0ºC (32ºF) to 55ºC (131ºF). Available for 36″ length. Not available for 347V.
EMB600	1025-1250 lumen self contained 90 minute emergency battery pack. 0ºC (32ºF) to 50ºC (122ºF) operating range. Available for 48″ and 72″ lengths only. Not available for 347V.
EMB600R	Remote mounted 1025-1250 lumen 90 minute emergency battery pack. 0ºC (32ºF) to 55ºC (131ºF). Not available for 347V.
OCC	Occupancy sensor. Maximum coverage of 10′ radius from 8′ height.
ST/SC	Slotted screws instead of TORX® head.
TX/SD	TORX® head bit.

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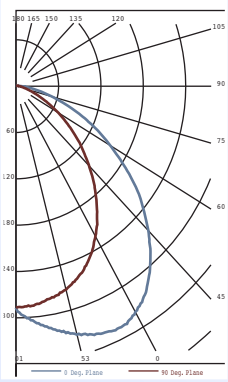
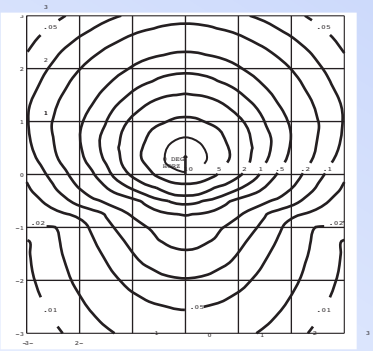
PHOTOMETRIC DATA

MODEL AEL36-139HO CL LTL12789

Lamp: One 39 Watt High Output T5 lamp at 3080 lumens. Total Efficiency: 47.8%



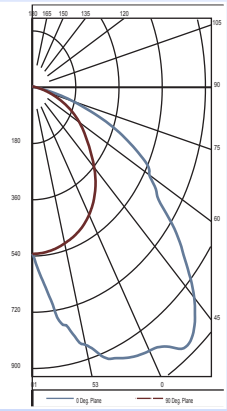
Zone	Lumens	%Lamps	%Fixt.
0-30	372	12.1	25.3
0-40	633	20.6	43.0
0-60	1181	38.4	80.2
0-90	1473	47.8	100.0
90-180	0	0.0	0.0
0-180	1473	47.8	100.0



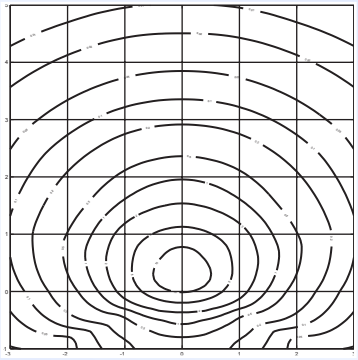
Mounting Height	5′	6′	7′	8′	9′
Multiplying Factor	2.56	1.78	1.31	1.00	0.7

MODEL AEL48-224HO CL LTL17692

Lamp: Two 24 Watt High Output T5 lamps rated at 1760 lumens each. Total Efficiency: 47.6%



Zone	Lumens	%Lamps	%Fixt.
0-30	427.3	12.1	25.5
0-40	722.6	20.5	43.1
0-60	1342.5	38.1	80.2
0-90	1674.6	47.6	100.0
90-180	0.0	0.0	0.0
0-180	1674.6	47.6	100.0



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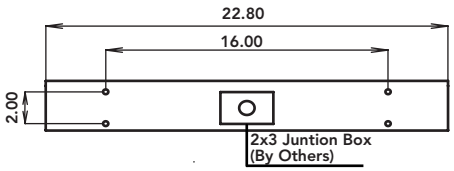
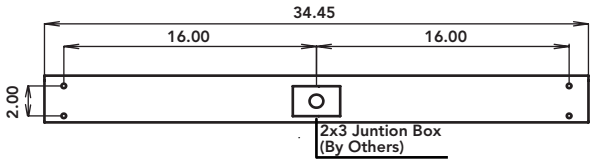
WALL MOUNTING BRACKET DETAIL

AEL24



AEL36



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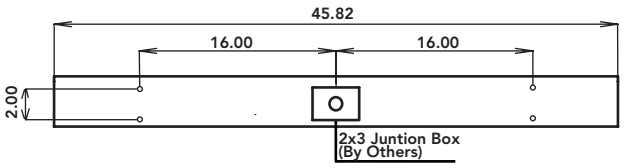
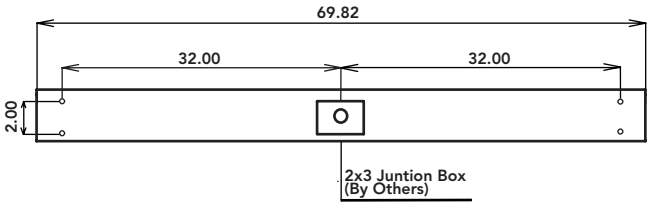


AEL72



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