

## AMRM

### Outdoor LED Area Light

OVERVIEW	
Lumen Package	7,000 - 48,000
Wattage Range	48 - 401
Efficacy Range (LPW)	117- 160
Weight lbs(kg)	30 (13.6)

## FEATURES & SPECIFICATIONS

- **Construction**
  - Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
  - Designed to mount to square or round poles.
  - Fixtures are finished with DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme wear, changes without cracking or peeling. Other standard finishes available. Consult factory.
  - Shipping weight: 37 lbs in carton.
- **Optical System**
  - State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide 100% sealed optical chamber in 1 component.
  - Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT, FTA and AM.
  - Silicone optical provides not only yellow or orange age and provides a typical light transmittance of 93%.
  - Zero UVlight.
  - Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78 377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
  - Minimum CRI of 70.
  - Integral lower (LL) and integral half lower (HL) lenses available for enhanced backlight control.

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Customized and standard packages available.
- 0-10V dimming (10% - 100%) packages available.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Luminaire Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F) A2L and A4L lumen packages rated to +40°C.
- Power factor: >90
- Input power stays constant over entire life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEC C62.41).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive-infrared Bluetooth™ motion and photocell sensor (see page 8 for more details).
- Fixtures operate independently and can be configured for iOS or Android configuration app

- Installation**
  - Designed to mount to square or round poles.
  - A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
  - Included terminal block accepts up to 12ga. wire.
  - Utilizes 'standard' 3" drill pattern B3 for easy fastening of drill.
- Warranty**
  - Carry a 5-year warranty.
- Listings**
  - Listed to UL 1598 and UL 8750.
  - Meets Buy American Act requirements.
  - DA compliant; with 3000K color temperature selection.
  - Title 24 Compliant; see local ordinance for qualification information.
  - Suitable for wet Locations.
  - IP68 rated Luminaire per IEC60598.
  - 3G rated for ANSI C136.31 high vibration applications are qualified.
  - This product is a Consortium(DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlight.org/DLC](http://www.designlight.org/DLC) to confirm which versions are qualified.
  - Patented Silicone Optics (US Patent No. 10,816,165 B2)
  - IK08 rated luminaire per IEC68262 mechanical impact code

## ORDERING GUIDE

TYPICAL ORDER EXAMPLE: AMRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL							
Family	Light Source	Lumen Package	Light Output	Distribution	Orientation <sup>2</sup>	Voltage	Driver
AMRM-Mirada	LED	7L 7,000lm 1L 6,000lm 1R 12,000lm 1BL 18,000lm 2AL 24,000lm 3BL 30,000lm 3RL 36,000lm 4LL 42,000lm 4BL 48,000lm <i>Custom Lumen Packages<sup>1</sup></i>	SIL-Silicone	2-Type2 3-Type3 SW-Type5Wide FT-Forward Throw FTA-Forward Throw as Luminance AM-Autoclimate Merchandise	(Blank)-standard L-Opticrated(die)90° R-Opticrated(die)90°	UNV-Universal Voltage(120-277V) HV-High Voltage(347-480V)	DIM-0-10V(Dimming)(0-100%)
Color Temp	Color Rendering	Finish	Options				
50-5,000CCT 40-4,000CCT 30-3,000CCT AMB-PhosphorConverted Amber <sup>1</sup>	70CRI -70CRI	BLK-Black BRZ-Bronze GMG-GumMatte/Gray GPT-Graphite MSV-Metallic/Silver PLP-Platinum/Plum SVG-Satin/Verde/Green WHT-White	(Blank)-None  IH- Integral Half Louver (Moderate/Spill Light Cutoff) IL- Integral Louver (Sharp/Spill Light Cutoff)				
Controls(Choose One)							
(Blank)-None	Stand-Alone Controls EXT-0-10V(Dimming)Lead extended to housing exterior CRTP-7Pin Core/Receptacle ANSI C136.41 IMBST-1-Integral Bluetooth™ Motion and Presence Sensor(8-24 MHz) IMBST2-1-Integral Bluetooth™ Motion and Presence Sensor(25-40 MHz)			Button Type PhotoCells PC120-120V PC1208-277-208-277V PC347-347V			

### Accessory Ordering Information<sup>1</sup>

CONTROLS ACCESSORIES	
Description	OrderNumber
PC120PhotoCellforusewithCR7Poption(120V) <sup>1</sup>	122514
PC208-277PhotoCellforusewithCR7Poption(208V,240V,277V) <sup>1</sup>	122515
TwistLockPhotoCell(347V)forusewithCR7P <sup>1</sup>	122516
TwistLockPhotoCell(480V)forusewithCR7P <sup>1</sup>	122518
AirLink5PinTwistLockController <sup>4</sup>	061409
AirLink7PinTwistLockController <sup>4</sup>	061410
PMS24-24V-Pole-MountedOccupancySensor(24V)	66382BCL
ShortingCapsoforusewithCR7P	493238

FUSING OPTIONS <sup>1)</sup>		SHIELDING OPTIONS	
Description	Order Number		
SingleFusing(120V)	See Fusing Accessory Guide	MiradaSmall	See Shielding Guide
SingleFusing(277V)		MiradaMedium	
DoubleFusing(208V/240V)		MiradaLarge	
DoubleFusing(480V)		ZoneMedium	
DoubleFusing(347V)		ZoneLarge	
		ZoneMedium	

**NOTES:**

1. Customers may not want packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with 5W distribution
3. Consult Factory for availability.
4. Not available in HV.
5. IMSBTS is field configurable
6. Control device or shorting cap must be ordered separately. See Accessory Order Information.

MOUNTING ACCESSORIES <sup>®</sup>	
Description	Order Number <sup>®</sup>
Universal Mounting Bracket	684615CLR
Adjustable Slip Fitter (2" - 2 3/8" Tenon)	688138CLR
Horizontal Slip Fitter (2" - 2 3/8" Tenon)	652676CLR
Quick Mount Pole Bracket (Square Pole)	687073CLR
Quick Mount Pole Bracket (4" Round Pole)	689603CLR
15TIR Quick Mount Pole Bracket (Square Pole)	688003CLR
15TIR Quick Mount Pole Bracket (4" Round Pole)	689605CLR
Wall Mount Bracket	382132CLR
Wood Pole Bracket (6" Minimum Pole Diameter)	751219CLR

### MISCELLANEOUS ACCESSORIES

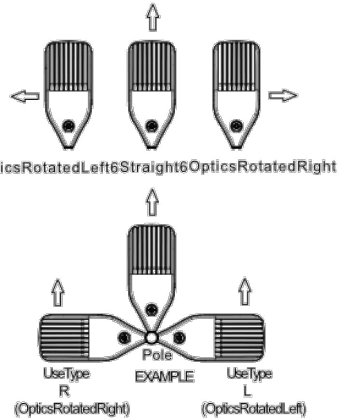
Description	OrderNumber
FieldInstallIntegralLouver(SharpSpillLightCutoff)	690681
FieldInstallIntegralHalfLouver(ModerateSpillLightCutoff)	743415
10'LinearBirdSpikeKit(3'RecommendedperLuminaire)	751632

7. Accessories are shipped separately and field installed.  
8. Factory installed CR7 Poption required. See Options.  
9. "CLR" denotes finish. See Finish options.  
10. Only available with ALSCIALSCCH control options.  
11. Fusing must be completed in a hand hole pole. See [Fusing Accessory Guide](#) for compatibility.  
12. Only available in 9L, 12L, 18L and 24L Lumen Packages.  
Consult factory for lead time and availability.

## ACCESSORIES

[illegible]

## OPTICS ROTATION

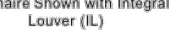


## ACCESSORIES/OPTIONS


## Integral Louver (IL) and House-Size Shield (HS)

Accessory louver and shield available for improved backlight control without sacrificing street side appearance. LB's Integral Louver (IL) and Integral House-Size Shield (HS) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while integrating glare, maintaining the optical distribution selected, and most importantly, light fixture life spans. Both options reduce the optical distribution.

Luminaire Shield with Integral Louver (IL)




Luminaire Shield with RASRT Option



## 7 Pin Photoelectric Control

7 pin ANSI C136 15-00 photoelectric control option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shield with CRTP



Office: 215-512-7000  
www.EnvoyLighting.com

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REV.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
5		

IMTIAZ AHMED, P.E.  
LICENSED ENGINEER NO. 46102  
STATE OF FLORIDA

Digitally signed  
by Imtiaz  
Ahmed  
Date:  
2023.03.17  
14:29:34 -04'00'

SEAL

**NEW 3 UNIT RESIDENCE**  
1300 N. RIVERSIDE DR  
POMPANO BEACH, FLORIDA

ATLANTIC ENGINEERING SERVICES, INC.

2822 WATERS EDGE CIRCLE  
GREENACRES, FLORIDA 33413  
PHONE - (561) 358-4140  
FAX - (561) 966-9242

TAX = (301) 900-9242  
CERTIFICATE OF AUTHORIZATION NO.: 9390

PROJ. NO. 0001  
SCALE: 1"=10'

DES.	DWN.	CHK
SHEET NUMBER		
CE4		
DATE DRAWN JAN, 2023		