


Catalog # : MRM LED 36L SIL FT UNV DIM 50 70CRI BRZ IL Project : O'Reilly Auto Parts  
Prepared By : Gaylor Date : 10/19/2018

### Mirada Medium - MRM Outdoor LED Area Light



The Mirada's sleek design makes it perfectly suited for architectural & commercial applications, while its cost-effective die-cast aluminum housing makes its acquisition cost very competitive. The Mirada offers high performance factory-rotatable silicone optics, 5 standard CCTs, 42,000+ delivered lumens, and is available with Integral Airlink™ Wireless Controls.

#### Features & Specifications

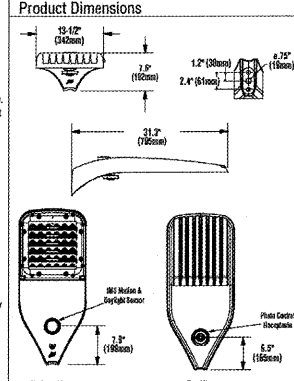
##### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5A, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmission of 93%.
- 2mm upright.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI G83.37. Also available in Phosphor Converted Amber, consult factory for availability.
- Momentary ON/OFF (MOM) available, consult factory for lead time.
- Integral Louver (IL) option available for improved back light control without sacrificing street side performance. See page 5 for more details.

##### Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Volt) Input 50/60 Hz or optional High Voltage (241-480 Volt).
- LED Calculated Life: >100K Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F), 42L lumen package tested to +40°C.
- Power factor: >0.9
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C82.41.2).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
- Terminal block provided accepts up to 10ga wire.
- Components are fully enclosed in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

##### Product Dimensions



13-1/2" (343mm)  
1.2" (30mm)  
2.4" (61mm)  
7.5" (190mm)  
11.3" (287mm)  
1.2" (30mm)  
6.5" (165mm)  
1.2" (30mm)  
1.2" (30mm)  
1.2" (30mm)  
1.2" (30mm)

##### Warranty

- LSI LED fixtures carry a 5-year warranty.

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### Mirada Medium - MRM Outdoor LED Area Light

#### Features & Specifications (Cont.)

##### Construction

- Rugged die-cast aluminum housing contains factory provided driver and optical unit. Cast aluminum wiring access door located underneath.
- Luminaire is precisely manufactured in the U.S. of U.S. and imported parts.
- IP66 rated luminaire protects integral components from harsh environments.
- 3G rated for ANSI C136.31 high vibration applications.
- Fasteners are finished with LSI's DuraGrip™ polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

##### Controls

###### Wireless Controls System

To make this fixture Airlink ready, simply order one of the following options:

- The Integral Wireless Controller (ALSC or ALSCH) (see ordering options on the controls section).
- Integrated Wireless Controller option (above) with integrated motion sensor. ALSCS (ordering guide for mounting heights) or
- The 7-Pin Photometric Control Receiver (CRFP) as the controls option, and either the 2.4GHz or 2.2GHz ZigBee Controller. ALSC UW 7.1 or ALSC UW 7.1 as necessary.

To see how the components of Airlink system work together, reference the diagram in the controls section of this specsheet. For more information on the Airlink products, visit our website: [www.lsi-industries.com/airlink-system](http://www.lsi-industries.com/airlink-system).

##### Standard Mounting

- The Integral passive infrared motion sensor (MSI) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photometric receptacle option (CRFP) is available for most rack photometrics or wireless control modules.
- The Button Type Photometric (PTP) are capable of matching luminaires ON/OFF in response to the amount of available daylight.

##### Installation

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment for installing wiring.
- Latched terminal block provides quick and easy on-site wiring.
- Use LSI's traditional 3" grid pattern for easy fastening of LSI products. (See drawing on page 1)

##### Listing

- Listed to UL 1599 and UL E750.
- RH/RS Compliant.
- American Recovery and Reinvestment Act Funding Compliant.
- IEA compliant, with 3000K color temperature selection.
- Title 24 Compliant, see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated luminaire. IP66 rated optical changes.
- 3G rated for ANSI C136.31 high vibration applications.

##### Performance

###### ELECTRICAL DATA (AMP)\*

Lumens	3000K	4000K	5000K	5700K	6500K	6500K
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A

###### ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMP)\*

Lumens	3000K	4000K	5000K	5700K	6500K	6500K
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A
42,000	3.8A	3.8A	3.8A	3.8A	3.8A	3.8A

###### RECOMMENDED LUMEN MAINTENANCE (L4-L7L)

Year	3000K	4000K	5000K	5700K	6500K	6500K
1	100%	100%	100%	100%	100%	100%
2	95%	95%	95%	95%	95%	95%
3	90%	90%	90%	90%	90%	90%
4	85%	85%	85%	85%	85%	85%
5	80%	80%	80%	80%	80%	80%

###### RECOMMENDED LUMEN MAINTENANCE (L4-L7L)

Year	3000K	4000K	5000K	5700K	6500K	6500K
1	100%	100%	100%	100%	100%	100%
2	95%	95%	95%	95%	95%	95%
3	90%	90%	90%	90%	90%	90%
4	85%	85%	85%	85%	85%	85%
5	80%	80%	80%	80%	80%	80%

###### DELIVERED LUMENS\*

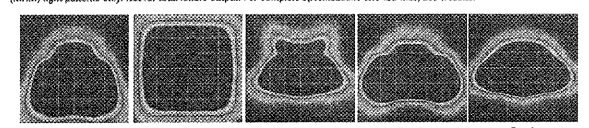
Color Temp	Color Rendering	Control System	Finish	Options
3000K CCT	70-75 CRI	None	Black	None
4000K CCT	70-75 CRI	None	Black	None
5000K CCT	70-75 CRI	None	Black	None
5700K CCT	70-75 CRI	None	Black	None
6500K CCT	70-75 CRI	None	Black	None
6500K CCT	70-75 CRI	None	Black	None

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#### Performance (Cont.)

All published luminaire photometric testing performed to IESNA LM-79 standards. ISO footcandle plots below demonstrate the Mirada (MRM) light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



FT, SW, FTA, Type 3, Type 2

##### Ordering Guide

Typical Order Example: **MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL**

Luminaire Part	Light Output	Luminaire Package	Light Output	Control System	Finish	Options
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None

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### MIRADA WALL SCIENCE (XWM) LUMINAIRE

US & IES photometric testing

SMARTICE™ LSI driver features integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

#### ENERGY SAVING CONTROL OPTIONS

- Color Dimming - DIM - 0-10 Volt dimming enabled with LSI wireless controls.
- Passive Infrared Motion Sensor - Passive infrared motion sensor activates luminaire light levels. High level light is activated when passively target zone is entered. Low light level (50% of max) is activated when target zone is absent of motion activity for 10 seconds and gradually ramps down (10 seconds) to low level. Sensor detection range 110' horizontal x 33' vertical x 10 meters maximum distance.
- Ultra High Efficiency Reflector - Ultra high efficiency reflectors provide three distributions from Type 2, Type 3 or Type 4.

#### HOUSING

Three piece die-cast aluminum housing is smoothly contoured low-profile shape. Mounting hardware is stainless steel or electro-plated steel. Housing and optical unit are sealed in extruded silicone gaskets. Supply conductors with molded EPDM bushing.

#### WALL MOUNTING

Galvanized steel wall mounting plate easily mounts directly to 4" nominal or equivalent masonry box. It is supplied to be installed between masonry and concrete. Use, consult factory for details. Universal plate permits future to be mounted separately (under eave) or downlighting position. Optional pot mounting to standard mounting pole (XPMMA).

#### ELECTRICAL

High-voltage surge protection (including surge protection built into electronic driver) meets IEEE C82.41.2-2002. Low-voltage Category C. Available with universal voltage power supplies 277VAC (50/60Hz) or 241-480VAC.

#### DRIVER

Drivers are dimming and surge protected components are fully enclosed in potting material for IP66 moisture resistance. Driver complies with IEC and FCC standards. Driver can be easily accessed.

#### EMERGENCY OPTIONS

Optional integral emergency battery-back-up options are available. EB option operates in 0°C to 60°C ambient temperature and CWB2 operates in -20°C to 60°C ambient temperature. When primary AC power failure occurs, both options operate 90 LEDs for minimum of 90 minutes.

#### OPERATING TEMPERATURE

-40°C to +50°C (-40°F to +122°F)

#### FINISH

Finishes are finished with LSI's DuraGrip™ polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

#### WARRANTY

LSI LED fixtures carry a limited 5-year warranty.

#### PHOTOMETRICS

Please visit our web site at [www.lsi-industries.com](http://www.lsi-industries.com) for detailed photometric data.

#### SHIPPING WEIGHT (in cartons)

30 lbs (13.6kg)

#### LISTING

UL listed to ANSI/UL1599, UL8750 and other U.S. and international safety standards. Suitable for wet locations in downlight position.

This product, or related versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_ 10/2017  
Catalog #: \_\_\_\_\_ LSI INDUSTRIES INC. © 2017

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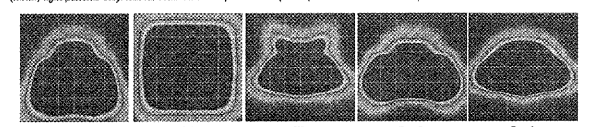
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Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_ 10/2017  
Catalog #: \_\_\_\_\_ LSI INDUSTRIES INC. © 2017

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MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	36L SIL FTA UNV DIM 50 70CRI ALSCHS04 BRZ IL	42,000 lumens	ALSCHS04	Black	None
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Order Plans

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3885 S. WILMINGTON AVE. P.O. BOX 22220  
SPRINGFIELD, MO 65807  
WWW.SGECORP.COM

PROJECT: NEW O'REILLY AUTO PARTS STORE  
46352 S.R. 200  
YULEE, FL 32097

SITE LIGHTING DETAILS

O'Reilly AUTO PARTS  
CORPORATE OFFICES  
233 SOUTH PATTERSON  
SPRINGFIELD, MISSOURI 65802  
(417) 862-2674 TELEPHONE

DRAWN BY: LB CHECKED BY: NEG  
DATE: 10/19/2018  
REVISION:  
PROJECT NUMBER: YUL  
SHEET NUMBER: SP3

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