

MRL HO SERIES LED AREA LIGHT

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, 5W, FT and FTA.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C78.377.
- Minimum CRI of 70. Optional 80 CRI available, consult factory for lead time.
- Integral Louver (IL) option available for improved back-light control without sacrificing street side performance.

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 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L90 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 65L lumen package rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Terminal block provided accepts up to 12ga wire.
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

CONSTRUCTION

- Rugged die-cast aluminum housing, optical frame, and driver access cover.
- Designed to mount to round or square poles without need for pole adapters.
- Luminaire is proudly 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
- Fixtures are finished with WLS's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard WLS finishes available. Consult factory.
- Shipping weight: 60 lbs in carton.

CONTROLS

Stand-Alone Controls

- The integral passive infrared motion sensor (IMS) activates switching of luminaire light levels (see the controls section for more details).
- The 7-pin ANSI C136.41-2013 photocontrol receptacle option (CR7P) is available for twist lock photocontrols or wireless control modules.
- The Button Type Photocells (PC) are capable of switching 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/servicing. Included terminal block provides quick and easy on-site wiring.
- Utilizes both 3" and 5" drill patterns for easy fastening of LSI products for new or retrofit applications.

WARRANTY

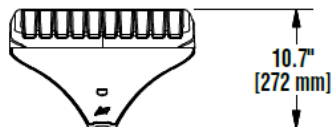
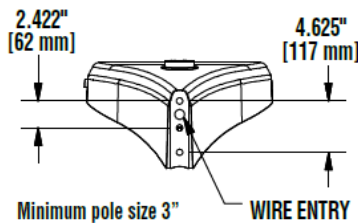
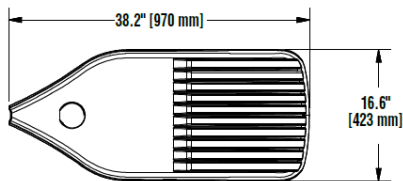
- WLS LED Fixtures carry a 5-year warranty.

LISTINGS

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- State of California Title 24 Compliant; with IMS/IMSS, ALSC, or ALSCH Options.
- IP66
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.



DIMENSIONS



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.



IP66



ARRA
Funding Compliant



Project Name: _____

Date: _____

Location: _____

Notes: _____

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ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.

Refer to example below.

SERIES	LENS	LUMEN PACKAGE ¹¹	LENS	DISTRIBUTION	ORIENTATION	VOLTAGE	DRIVER
MRL	LED	40L 40,000 lms 50L 50,000 lms 65L 65,000 lms	SIL Silicone	2 Type 2 3 Type 3 5W Type 5 Wide FT Forward Throw FTA Forward Throw Automotive	(blank) Standard L Optics rotated left 90 R Optics rotated right 90	UNV Universal Voltage (120-277V) HV High Voltage (347 - 480V)	DIM 0-10v Dimming (10-100%)
ORDER:							
WLS-MRL							

COLOR TEMPERATURE	COLOR ENDERING	CONTROLS	FINISH	OPTIONS
50 5,000 CCT 40 4,000 CCT 30² 3,000 CCT 27² 2,700 CCT	70CRI 70 CRI 80CRI² 80 CRI	(Blank) None Stand-Alone Controls EXT 0-10v Dimming (from external signal) IMSOM1^{4,6} Integral Motion Sensor 8-12' 120-277V IMSOM2^{4,6} Integral Motion Sensor 12-20' 120-277V IMSOM4^{4,6} Integral Motion Sensor 20-40' 120-277V IMSOM1HV^{6,12} Integral Motion Sensor 8-12' 347-480V IMSOM2HV^{6,12} Integral Motion Sensor 12-20' 347-480V IMSOM4HV^{6,12} Integral Motion Sensor 20-40' 347-480V CR7P⁷ 7 Pin Control Receptacle ANSI C136.41 Button Type Photocells PCI120 120V PCI208-277 208 -277V PCI347 347V	WHT White BRZ Bronze BLK Black GPT Graphite MSV Metallic Silver PLP Platinum Plus SVG Satin Verde Green	(Blank) None IL¹ Integral Louver HSS
ORDER:				

Example: WLS-MRL-LED-50L-SIL-5W-L-UNV-DIM-40-70CRI-ALSC-WHT-IL

FOOTNOTES:	
1 Not available on "Type V" distribution.	6 Control device must be ordered separately. 7 pin standard. See Accessory Ordering Information.
2 Consult Factory for availability.	7 Accessories are shipped separately and field installed.
3 Not available in HV.	8 Factory installed CR7P option required. See Options.
4 Consult Factory for Site Layout	9 Only available with ALSC* Controls
5 IMS is field adjustable via a hand held Remote Configurator Tool, which must be ordered separately. See Accessory Ordering Information.	10 "CLR" denotes finish. See Finish options.
	11 Consult factory for programmable wattages and lumen packages.

ELECTRICAL DATA						
Lumens	120V	208V	240V	277V	347V	480V
40L	2.44A	1.41A	1.22A	1.06A	1.84A	0.61A
50L	3.37A	1.94A	1.68A	1.46A	1.16A	0.84A
65L	4.93A	2.85A	2.47A	2.47A	1.71	1.23A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%



1919 Windsor Place
Fort Worth, TX 76110
800.622.8711

www.wslighting.com

Project Name: _____

Date: _____

Location: _____

Notes: _____

01 REV. 02/19

Specifications subject to change without notice.