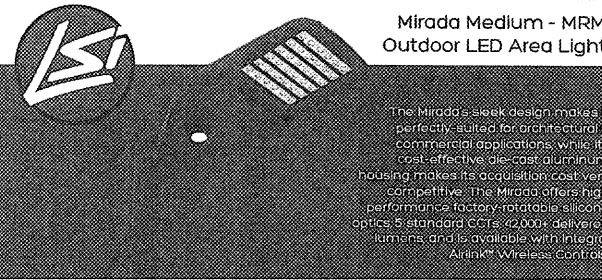


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SPRINGFIELD, MO

Catalog # : MRM LED 18L SIL FT UNV DIM 50 60CRI BRZ L Project : Orkley Auto Parts
Prepared By : Craythor Date : 04/26/2019



Features & Specifications

Optical System

- State-of-the-art one-piece silicone optic sheet delivers industry leading output control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provides 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 92%.
- Zero uplight.
- Available in 5000K, 4000K, 3000K, and 2700K color temperatures per ANSI C83.77. Also available in Phosphor Converted Amber, consult factory for availability.
- Minimum CRI of 70. Optional 80 CRI available, consult factory for lead time.
- Integral Lenser (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.
- $0.05V$ dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vrms).
- LED Calculated Life > 100k Hours (See Lumen Maintenance on Page 3)
- Total harmonic distortion <math>< 20%</math>
- Operating temperature: -40°C to $+50^{\circ}\text{C}$ (-40°F to $+122^{\circ}\text{F}$. Lumen package rated to $+40^{\circ}\text{C}$
- 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 C82.42).
- 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.

Warranty

• 5-year warranty.

Product Dimensions

Mirada Medium - MRM Outdoor LED Area Light

Features & Specifications (Cont.)

Construction

- Rugged die-cast aluminum housing contains factory pre-wired driver and optical unit. Cast aluminum wiring accents door located underneath.
- Designed to mount to square or round poles.
- Luminaires are proudly manufactured in the U.S. and imported parts.
- IP66 rated luminaires protect integral components from harsh environments.
- 30 rated for ANSI C136.31 high vibration applications.
- Features are finished with LS1 Duragrip polymer powder coat finishing process. The Duragrip finish withstands extreme weather changes without cracking or peeling. Other standard LS1 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 Integrated Wireless Lighting Controller: ALSIC or ALSCH (see ordering guide) as the controls option, or
- Integrated Wireless Controller option (above) with integrated motion sensor: ALSIS (ordering guide for mounting heights) or
- The 7-Pin Photoelectric Control Receiver/Backpack: CRVP as the controls option; and either the 2-Pin or 7-Pin Lock Controller: ALSIC UNV TL5 or ALSIC UNV TL7 as an accessory.

To see how the components of the AirLink system work together, reference the diagram in this controls section of this specbook. For more information on our AirLink products, visit our website: www.lsiindustries.com/airlink.

Stead-Acme Controls

- The integral passive infrared motion sensor (MS) activates switching of luminaires light levels (see the controls section for more details).
- The 7-pin MS/ALSIC/ALSCH photoelectric receiver option (CRVP) is available for most rock photocontrols or wireless control modules.
- The Button Type Photoelectric (PT) is 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/wiring.
- Included terminal block provides quick and easy on-site wiring.
- Unless LS1's traditional "3" grid pattern for easy fastening of LSJ products. (See drawing on page 1)

Listings

- Listed to UL 158B and UL 8750.
- RoHS Compliant.
- American Factory and Reinvestment Act Funding Compliant.
- EMI compliant with 3000K color temperature selection.
- Title 24 Compliant: see local ordinance for qualification information.
- Suitable For Wet Locations.
- IP66 rated Luminaires. IP68 rated optical chamber.
- 30 rated for ANSI C136.31 high vibration applications.

Performance

Electrical Data (amps)*	3000K	4000K	5000K	5700K	6500K
18L	0.20	0.24	0.25	0.25	0.25
9	0.40	0.48	0.50	0.50	0.50
25L	1.00	1.20	1.25	1.25	1.25
18L	1.50	1.80	1.88	1.88	1.88
36L	3.00	3.60	3.75	3.75	3.75
45	4.50	5.40	5.63	5.63	5.63
60	6.00	7.20	7.50	7.50	7.50
75L	7.50	9.00	9.38	9.38	9.38
90L	9.00	10.80	11.25	11.25	11.25
105L	10.50	12.60	13.13	13.13	13.13
120L	12.00	14.40	15.00	15.00	15.00
135L	13.50	16.20	16.88	16.88	16.88
150L	15.00	18.00	18.75	18.75	18.75
165L	16.50	19.80	20.63	20.63	20.63
180L	18.00	21.60	22.50	22.50	22.50
210L	21.00	25.20	26.25	26.25	26.25
240L	24.00	28.80	30.00	30.00	30.00
270L	27.00	32.40	33.75	33.75	33.75
300L	30.00	36.00	37.50	37.50	37.50
330L	33.00	39.60	41.25	41.25	41.25
360L	36.00	43.20	45.00	45.00	45.00
390L	39.00	46.80	48.75	48.75	48.75
420L	42.00	50.40	52.50	52.50	52.50
450L	45.00	54.00	56.25	56.25	56.25
480L	48.00	57.60	60.00	60.00	60.00
510L	51.00	61.20	63.75	63.75	63.75
540L	54.00	64.80	67.50	67.50	67.50
570L	57.00	68.40	71.25	71.25	71.25
600L	60.00	72.00	75.00	75.00	75.00
630L	63.00	75.60	78.75	78.75	78.75
660L	66.00	79.20	82.50	82.50	82.50
690L	69.00	82.80	86.25	86.25	86.25
720L	72.00	86.40	90.00	90.00	90.00
750L	75.00	90.00	93.75	93.75	93.75
780L	78.00	93.60	97.50	97.50	97.50
810L	81.00	97.20	101.25	101.25	101.25
840L	84.00	100.80	105.00	105.00	105.00
870L	87.00	104.40	108.75	108.75	108.75
900L	90.00	108.00	112.50	112.50	112.50
930L	93.00	111.60	116.25	116.25	116.25
960L	96.00	115.20	120.00	120.00	120.00
990L	99.00	118.80	123.75	123.75	123.75
1020L	102.00	122.40	127.50	127.50	127.50
1050L	105.00	126.00	131.25	131.25	131.25
1080L	108.00	129.60	135.00	135.00	135.00
1110L	111.00	133.20	138.75	138.75	138.75
1140L	114.00	136.80	142.50	142.50	142.50
1170L	117.00	140.40	146.25	146.25	146.25
1200L	120.00	144.00	150.00	150.00	150.00
1230L	123.00	147.60	153.75	153.75	153.75
1260L	126.00	151.20	157.50	157.50	157.50
1290L	129.00	154.80	161.25	161.25	161.25
1320L	132.00	158.40	165.00	165.00	165.00
1350L	135.00	162.00	168.75	168.75	168.75
1380L	138.00	165.60	172.50	172.50	172.50
1410L	141.00	169.20	176.25	176.25	176.25
1440L	144.00	172.80	180.00	180.00	180.00
1470L	147.00	176.40	183.75	183.75	183.75
1500L	150.00	180.00	187.50	187.50	187.50
1530L	153.00	183.60	191.25	191.25	191.25
1560L	156.00	187.20	195.00	195.00	195.00
1590L	159.00	190.80	198.75	198.75	198.75
1620L	162.00	194.40	202.50	202.50	202.50
1650L	165.00	198.00	206.25	206.25	206.25
1680L	168.00	201.60	210.00	210.00	210.00
1710L	171.00	205.20	213.75	213.75	213.75
1740L	174.00	208.80	217.50	217.50	217.50
1770L	177.00	212.40	221.25	221.25	221.25
1800L	180.00	216.00	225.00	225.00	225.00
1830L	183.00	219.60	228.75	228.75	228.75
1860L	186.00	223.20	232.50	232.50	232.50
1890L	189.00	226.80	236.25	236.25	236.25
1920L	192.00	230.40	240.00	240.00	240.00
1950L	195.00	234.00	243.75	243.75	243.75
1980L	198.00	237.60	247.50	247.50	247.50
2010L	201.00	241.20	251.25	251.25	251.25
2040L	204.00	244.80	255.00	255.00	255.00
2070L	207.00	248.40	258.75	258.75	258.75
2100L	210.00	252.00	262.50	262.50	262.50
2130L	213.00	255.60	266.25	266.25	266.25
2160L	216.00	259.20	270.00	270.00	270.00
2190L	219.00	262.80	273.75	273.75	273.75
2220L	222.00	266.40	277.50	277.50	277.50
2250L	225.00	270.00	281.25	281.25	281.25
2280L	228.00	273.60	285.00	285.00	285.00
2310L	231.00	277.20	288.75	288.75	288.75
2340L	234.00	280.80	292.50	292.50	292.50
2370L	237.00	284.40	296.25	296.25	296.25
2400L	240.00	288.00	300.00	300.00	300.00
2430L	243.00	291.60	303.75	303.75	303.75
2460L	246.00	295.20	307.50	307.50	307.50
2490L	249.00	298.80	311.25	311.25	311.25
2520L	252.00	302.40	315.00	315.00	315.00
2550L	255.00	306.00	318.75	318.75	318.75
2580L	258.00	309.60	322.50	322.50	322.50
2610L	261.00	313.20	326.25	326.25	326.25
2640L	264.00	316.80	330.00	330.00	330.00
2670L	267.00	320.40	333.75	333.75	333.75
2700L	270.00	324.00	337.50	337.50	337.50
2730L	273.00	327.60	341.25	341.25	341.25
2760L	276.00	331.20	345.00	345.00	345.00
2790L	279.00	334.80	348.75	348.75	348.75
2820L	282.00	338.40	352.50	352.50	352.50
2850L	285.00	342.00	356.25	356.25	356.25
2880L	288.00	345.60	360.00	360.00	360.00
2910L	291.00	349.20	363.75	363.75	363.75
2940L	294.00	352.80	367.50	367.50	367.50
2970L	297.00	356.40	371.25	371.25	371.25
3000L	300.00	360.00	375.00	375.00	375.00
3030L	303.00	363.60	378.75	378.75	378.75
3060L	306.00	367.20	382.50	382.50	382.50
3090L	309.00	370.80	386.25	386.25	386.25
3120L	312.00	374.40	390.00	390.00	390.00
3150L	315.00	378.00	393.75	393.75	393.75
3180L	318.00	381.60	397.50	397.50	397.50
3210L	321.00	385.20	401.25	401.25	401.25
3240L	324.00	388.80	405.00	405.00	405.00
3270L	327.00	392.40	408.75	408.75	408.75
3300L	330.00	396.00	412.50	412.50	412.50
3330L	333.00	399.60	416.25	416.25	416.25
3360L	336.00	403.20	420.00	420.00	420.00
3390L	339.00	406.80	423.75	423.75	423.75
3420L	342.00	410.40	427.50	427.50	427.50
3450L	345.00	414.00	431.25	431.25	431.25
3480L	348.00	417.60	435.00	435.00	435.00
3510L	351.00	421.20	438.75	438.75	438.75
3540L	354.00	424.80	442.50	442.50	442.50
3570L	357.00	428.40	446.25	446.25	446.25
3600L	360.00	432.00	450.00	450.00	450.00
3630L	363.00	435.60	453.75	453.75	453.75
3660L	366.00	439.20	457.50	457.50	457.50
3690L	369.00	442.80	461.25	461.25	461.25
3720L	372.00	446.40	465.00	465.00	465.00
3750L	375.00	450.00	468.75	468.75	468.75
3780L	378.00	453.60	472.50	472.50	472.50
3810L	381.00	457.20	476.25	476.25	476.25
3840L	384.00	460.80	480.00		