

Mirada Small Area (MRS)
 Outdoor LED Area Light

OVERVIEW
 Luminaire Package: E-000 - 34,000
 Wattage Range: 41 - 196
 Efficacy Range (LPW): 102 - 156
 Fixture Weight (lbs): 20 (3.5)

QUICK LINKS
 Ordering Guide Performance Photometrics Dimensions

FEATURES & SPECIFICATIONS
Construction
 • Rugged die-cast aluminum housing contains factory pre-wired driver and optical unit. Cast aluminum wiring access door located underneath.
 • Fixtures are finished with LSI's DuraGrip™ polyurethane powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
 • Shipping weight: 20 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 IP66 rated seal.
 • Proprietary silicone reflector optics provide exceptional coverage and uniformity in distribution types 2, 3, 3H, and FT.
 • Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 95%.
 • Zero spillage.
 • Available in 3000K, 4000K, and 5000K color temperatures per ANSI C78.377.
 • Minimum CRI of 70.
 • Integral lower (DL) and house-side shield (DS) options available for improved backlight control without sacrificing street side performance. See page 3 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 VAC) input 50/60 Hz or optional High Voltage (240-480 VAC).
 • L70 Calculated Life: >60K Hours
 • Total harmonic distortion: <20%
 • Operating temperature: -40°C to +50°C (-40°F to +122°F).
 • Power factor: >.95
 • Input power factor constant over life.
 • Field replaceable 10kV surge protection device meets a minimum Category C Low operation per ANSI/IEEE C85.41.2.
 • High efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
 • Driver is fully enclosed in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.
Controls
 • Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
 • LSI's ArtLux™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.
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 12 ga. wire.
 • Utilizes LSI's traditional 03 drill pattern.
Warranty
 • LSI luminaires carry a 5-year limited warranty. Refer to www.lsi.com/resources/conditions-warranty/ for more information.
Listings
 • Listed to UL 1598 and UL 8750.
 • Meets Buy American Act requirements.
 • E26 compatible with 3000K color temperature selection.
 • Title 24 Compliant: see local ordinance for qualification information.
 • IP66 rated luminaire per IEC 60598-1.
 • 30 rated for ANSI C83.3 high vibration applications are qualified.
 • Designates "Consistent" Listings in progress.
 Specifications and dimensions subject to change without notice.

LSI Industries Inc. 3000 Alliance Rd. Cranford, NJ 07016 • www.lsi.com
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Steel Poles
 Square Straight

QUICK LINKS
 Ordering Guide Configurations Dimensions EPA

FEATURES & SPECIFICATIONS
Pole Shaft
 • Straight poles are 4", 5", or 6" square.
 • Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
 • On "Non Mount" steel poles, tension is 2-3/8" O.D. High-strength pipe. Tension is 4-3/4" in length.
Hand-Hole
 • Standard hand-hole location is 12" above pole base.
 • Poles 22" and above have a 2" x 4" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.
Base
 • Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
 • Two-piece square base cover is optional.
Anchor Bolts
 • Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
 • Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.
Ground Lug
 • Ground lug is standard.
Duplex Receptacle
 • Weatherproof duplex receptacle is optional.
Ground Fault Circuit Interrupter
 • Self-testing ground fault circuit interrupter is optional.
Finish
 • Every pole is provided with the DuraGrip™ Protection System and a 5-year limited warranty.
 • When the top-of-the-line DuraGrip™ Plus Protection System is selected, in addition to the DuraGrip™ Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior, sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.
Determining The Luminaire/Pole Combination For Your Application
 • Select luminaire from luminaire ordering information.
 • Select bracket configuration if required.
 • Determine EPA value from luminaire/bracket EPA chart.
 • Select pole height.
 • Select MPH to match wind speed in the application area (see wind speed map).
 • Confirm pole EPA equals or exceeds wind value of luminaire/bracket EPA.
 • Consult factory for special wind load requirements and banner brackets.
Pole Vibration Damper
 • A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
 • Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.
Listings
 • UL Listed
 • BAA/TIA Compliant

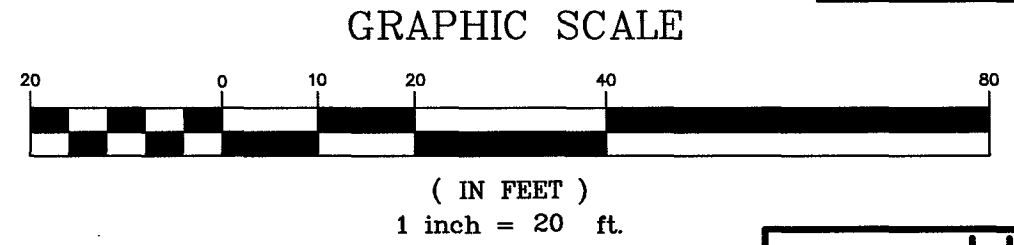
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Symbol	Arrangement	Qty	Type	Manufacturer	Product Code	Lum. Watts	Arr. Watts	Lum. Lumens	LLF
+	SINGLE	1	A	LSI INDUSTRIES	MRS-LED-04-SIL-3-VOLTS-DIM-40-70CRI-FINISH w/ 4SQB3-S11G-15-S-FINISH (POLE MOUNTED AT 15' AFG)	25	25	6372	0.600
+	SINGLE	2	B	LSI INDUSTRIES	MRS-LED-04-SIL-FT-VOLTS-DIM-40-70CRI-FINISH w/ 4SQB3-S11G-15-S-FINISH (POLE MOUNTED AT 15' AFG)	25	25	6166	0.600
+	SINGLE	1	C	LSI INDUSTRIES	MRS-LED-04-SIL-FT-VOLTS-DIM-40-70CRI-FINISH w/ 4SQB3-S11G-15-S-FINISH (POLE MOUNTED AT 15' AFG)	25	25	3891	0.600
+	SINGLE	1	D	LSI INDUSTRIES	MRS-LED-06-SIL-5W-VOLTS-DIM-40-70CRI-FINISH w/ 4SQB3-S11G-15-S-FINISH (POLE MOUNTED AT 15' AFG)	41	41	8028	0.950
+	WALL MOUNT	2	E	LSI INDUSTRIES	XWM-FT-LED-03L-40-VOLTS-FINISH (WALL MOUNTED AT 12' AFG)	22.6	22.6	3105	0.850

Calculation Summary

Label	CalcType	Units	Avg	Min	Max	Avg/ftm	Max/ftm
PARKING LOT	Illuminance	Fc	1.52	3.0	0.3	5.07	10.00

DIVERSIFIED NJ
 55 LAKE ROAD
 FAIRFIELD, NJ 07004
 DESIGNER: MATTHEW STERHER
 PHONE: (908) 907-8462
 EMAIL: MSTERHER@DIVNJ.COM



OWNER/APPLICANT:
 354 N. GARWOOD, LLC.
 1 SPRINGFIELD AVENUE
 CRANFORD, N.J.

NO.	DATE	DESCRIPTION	BY
4	11/10/21	OWNER	RJW
3	11/2/21	PER 10/20/21 ZOOM MTG. WITH DRC	RJW
2	8/3/21	PER TOWNSHIP 7/16/21 LTR.	RJW
1	3/29/21	REV. OWNER/APPLICANT	RJW

LIGHTING PLAN
 LOT 2.01, BLOCK 177
 CURRENT TAX ASSESSMENT MAP SHEET NO. 17
 245-249 NORTH AVENUE WEST
 TOWNSHIP OF CRANFORD, UNION COUNTY, NEW JERSEY

SCALE: 1"=20' DRAFTED BY: JDL DATE: 6/9/21 JOB NO. 2021-103 SHEET: 5 OF 5
 CHECKED BY: RW

ROBERT J. WEISSMAN, P.E. & L.S.
WEISSMAN ENGINEERING CO., P.C.
 PROFESSIONAL ENGINEER AND LAND SURVEYOR
 686 GODWIN AVENUE, MIDLAND PARK, NJ 07432
 VOICE(201) 445-2799, FAX(201) 445-0483
 CERTIFICATION OF AUTHORIZATION # 24GA27926800

N.J. P.E. & L.S. LIC. NO. 29,624