AeroMax™ LED Area Fixtures (XASU/XAMU) & LED Roadway Fixtures (XRSU/ XRMU)

Crossover®
LED LIGHTING TECHNOLOGY

Leading Specification Features

- ☐ SmartTec™ Control Technology – "Industry First"

- ☐ Low Total Cost of Ownership

- ☐ Outstanding Uniformity & Visual Comfort

- ☐ Leading Selection of Light Output Options

- ☐ Unparalleled Speed & Ease of Installation

- ☐ Exceptional Reliability in an LED Area & Roadway Light

- ☐ Enhances Architectural Styling of any Site

Marketing Positioning Statement

XASU, XAMU LED Area & XRSU, XRMU LED Roadway fixtures incorporate a sleek, contemporary one-piece housing design that ensures the optical unit and internal components are protected from any contaminants and results in extremely low EPA's. With a choice of reflectors and drive currents, XASU, XAMU, XRSU & XRMU deliver bright, uniform lighting at lower light levels, with essentially no light trespass. XAMU/XRMU fixtures are the ideal replacement for 250W & 400W HID at much lower wattage. XASU/XRSU fixtures are the ideal replacement for 175W HID.

LSi Industries™
American Innovation Through Technology
A SmartVision® for the Future

SmartTec Control Technology - "Industry First"

Thermal Management

LSI proprietary SmartTec heat dissipation system

Fixture temperature lowered automatically when needed in imperceptible 5% increments every 5 minutes until safe operating temperature is reached

Sensors in both the optical unit and driver initiate temperature correction

Finless heat sink design to more effectively dissipate heat over time

Bi-Level Switching (BLS)

Low light level reduced to 30% of maximum drive current via controls by others

Dimming (DIM)

0-10V Dimming enabled with controls by others

Low Total Cost of Ownership

Annual Energy & Maintenance Savings

$1795 savings for (20) XASU/XRSU Super Saver (SS) fixtures replacing (20) 175W MH fixtures

$1908 savings for (20) XAMU/XRMU Super Saver (SS) fixtures replacing (20) 250W MH fixtures

$1619 savings for (20) XASU/XRSU High Output (HO) fixtures replacing (20) 175W MH fixtures

$2994 savings for (20) XAMU/XRMU High Output (HO) fixtures replacing (20) 400W MH fixtures

Based upon 12 hour daily operation at $.10kwh

Outstanding Uniformity & Visual Comfort

Clear Flat Optical Grade Tempered Glass Lens

Superior performance & value through sealed lens, precision reflectors and industry's best LEDs

5 times more impact resistant than standard glass.

Won't discolor, craze or cloud up like acrylic lenses

Cleans easily

Optical unit lanyard provides safety as well as positive ground between unit and housing

Lumen Output

Wide range of lumen outputs available by varying the reflector types, LED quantities and drive currents

Lumen range of 5600 to 17300 available, providing a choice of lumen outputs for the customer's specific requirements

Creates a brighter environment at lower light levels

LIGHT OUTPUT - XRSU

| | | # of LEDS | Lumens (Nominal) | |
			Type FT	Type 5
Cool White	SS	64	6200	6100
	HO	64	7650	7500
Neutral White	SS	64	5700	5600
	HO	64	6700	6700

LIGHT OUTPUT - XRMU

| | | # of LEDS | Lumens (Nominal) | | |
			Type 3	Type FT	Type 5
Cool White	SS	128	13500	14100	12100
	HO	128	16500	17300	14800
Neutral White	SS	128	12400	13200	11200
	HO	128	15000	15800	12500

LIGHT OUTPUT - XASU

| | | # of LEDS | Lumens (Nominal) | |
			Type FT	Type 5
Cool White	SS	64	6200	6100
	HO	64	7650	7500
Neutral White	SS	64	5700	5600
	HO	64	6700	6700

LIGHT OUTPUT - XAMU

| | | # of LEDS | Lumens (Nominal) | | |
			Type 3	Type FT	Type 5
Cool White	SS	128	13500	14100	12100
	HO	128	16500	17300	14800
Neutral White	SS	128	12400	13200	11200
	HO	128	15000	15800	12500

Leading Selection of Light Output Options

Multitude of Distribution Patterns

Choice of type 3, 5, or FT for XAMU/XRMU; Type 5 or FT for XASU/XRSU

By increasing drive currents from SS to HO, light distribution patterns are enhanced with greater lumen output

Exceptional uniformity creates bright environment at lower light levels

Improved backlight cutoff minimizes light trespass

Application staff available to determine best distribution pattern

64 or 128 LED Array

69 or 89 watt choice for XASU/XRSU

139 or 176 watt choice for XAMU/XRMU

69 watt (SS) & 89 watt (HO) are ideal replacements for 175W MH

139 watt (SS) is ideal replacement for 250W MH

176 watt (HO) is ideal replacement for 400W MH

Color Rendering Index

CRI of 70 facilitates recognition of specific colors of various objects to meet industry standards

Color Temperature

Cool white - 5000°K provides bright and pleasing area lighting at reduced foot candle levels

Neutral white - 4000°K for a warmer color temperature

Temperature Range

-40°C to +50°C (-40°F to 122°F)

Suitable for use in a wide range of ambient temperatures

Two Drive Currents

SS and HO available

Expands available solutions for customer specific applications

SS is the most energy efficient, while HO can be utilized to drive for greater lumen output

Input Voltage

Universal voltage 120V thru 277V (50/60hz input): 347V thru 480V also available

Unparalleled Speed & Ease of Installation

AeroMax Area Light Mounting

Tapered rear design allows quad pattern mounting without need for extension arms

Round pole plate available for mounting to round poles

Wall mount available

Roadway Light Mounting

Tapered rear design enables mounting to a range of mast arms (1 ¼" to 2")

Integral leveling device and leveling bubble provided allowing +/-5° vertical adjustment of fixture

XRSU & XRMU can be rotated with an up-tilt to 90° using cast aluminum adjustable brackets

Maintenance-Free

Once installed, the XASU/XAMU & XRSU/XRMU are virtually maintenance free

Wiring access door with safety lanyard located underneath fixture utilizing tool-less thumbscrew fastener for easy and quick maintenance access

Exceptional Reliability in an LED Area & Roadway Light

American Made
All products designed and manufactured in the U.S.

American Innovation
American Made

Environmentally Responsible
With exceptional "green" technology, XASU/XAMU & XRSU/XRMU are RoHS compliant
Greater than 80% recyclable by weight

Housing
Superior durability in one-piece die-formed aluminum
Weather-tight, with factory prewired driver and field connections

Weather-tight
Fully enclosed weather tight wet-location housing contains prewired IP65 driver field connections
Optical unit rated IP67
AeroMax Area Lights are rated IP65

Gasketing
Optical unit sealed to housing with extruded one-piece EPDM gasket
All external seals for additional fasteners, options, etc. are EPDM or silicone rubber for robustness to pressure and temperature changes and environmental, aging and UV resistance
Redundant fail-safe seals used in most areas for additional luminaire protection

Finish
LSI's DuraGrip® polyester powder coat - resists corrosion and is scratch and ding resistant
Withstands extreme weather changes without cracking or peeling.
Exhibits excellent durability and resistance to ultraviolet rays

Long-Life
Up to 100,000 hours of expected life
5X the lamp life expectancy of HID
Complies with ANSI C136.31-2010 American Standard for Roadway Lighting Equipment – Luminaire Vibration 3G Requirements
Once installed, virtually maintenance free

Protection
IP67 on sealed optical assembly provides total dust ingress protection, temporary liquid submersion protection
Driver components fully encased in potting material for IP65 moisture resistance
Driver complies with IEC and FCC standards
AeroMax Area Lights are rated IP65

Surge Protector
Two-stage surge protection including separate surge protection built into electronic driver
Meets IEEE C62.41.2-2002, Location Category C
Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage

Pressure Stabilizing Vent/Breather
Equalizes pressure in fixture optical unit preventing pressure buildup due to ambient temperature changes, protecting gaskets and seals over the life of the fixture

Warranty
Limited 5-year warranty

Enhances Architectural Styling of any Site

Low Profile One-piece Housing Design
Lightweight and aerodynamic resulting in exceptionally low EPA values enabling the use of lighter gauge, lower price poles
Professional and clean look after installation for superior design aesthetics

LSi Industries™
American Innovation Through Technology

(513)793-3200
www.lsi-industries.com