

XLCS, XLCM & XLCL LED Slice Area Lights

Leading Specification Features



Marketing Positioning Statement

Slice LED area lights give you the best possible lumens per dollar in the marketplace. With its super sleek, low-profile housing and sophisticated high performance optics, the Slice is the perfect parking lot lighting solution. Available in three fixture sizes, with a choice of reflectors and drive currents, the XLCS provides up to 15,700 lumens, the XLCM provides over 31,100 lumens and the XLCL provides up to 59,100 lumens. XLCS is the ideal replacement for 400W metal halide. The XLCM can replace up to 750W metal halide while the XLCL can replace up to 1000W metal halide. These low profile fixtures, with the optical assembly less than 2" thick (XLCS & XLCM) or 3" thick (XLCL), have very low EPA, allowing the use of lighter gauge poles. Providing reduced energy usage, lighter gauge poles as well as lower installation and maintenance costs, Slice takes a "slice" out of the costs affecting your bottom line!



Leading Specification Features

SmartTec™ Control Technology - Industry First

Thermal Management	LSI proprietary “SmartTec” heat system Fixture temperature lowered automatically when needed in imperceptible increments until safe operating temperature is reached
Dimming (DIM)	Optional 0-10 volt dimming enabled with controls by others

Low Total Cost of Ownership - Quick Payback

Annual Energy & Maintenance Savings	<p>\$2,276 savings for (20) XLCS Super Saver (SS) fixtures replacing (20) 250W MH fixtures</p> <p>\$3,310 savings for (20) XLCS High Output (HO) fixtures replacing (20) 400W MH fixtures</p> <p>\$4,230 savings for (20) XLCM Super Saver (SS) fixtures replacing (20) 575W MH fixtures</p> <p>\$5,254 savings for (20) XLCM High Output (HO) fixtures replacing (20) 750W MH fixtures</p> <p>\$6,139 savings for (20) XLCL Super Saver (SS) fixtures replacing (20) 1000W MH fixtures</p> <p>\$5,175 savings for (20) XLCL High Output (HO) fixtures replacing (20) 1000W MH fixtures</p>
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Payback Analysis	<p>ROI of 3.6 years for XLCS SS replacement example</p> <p>ROI of 2.5 years for XLCS HO replacement example</p> <p>ROI of 2.6 years for XLCM SS replacement example</p> <p>ROI of 2.1 years for XLCM HO replacement example</p> <p>ROI of 2.8 years for XLCL SS replacement example</p> <p>ROI of 3.3 years for XLCL HO replacement example</p> <p>Based upon 12 hour daily operation at \$.10kwh</p>
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Outstanding Uniformity & Visual Comfort

Unique Optical Unit	<p>Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic</p> <p>Creates an IP65 rated optical unit on XLCS and XLCM</p> <p>Entire XLCL fixture is IP65 rated</p> <p>5 times more impact resistant than standard glass</p> <p>Won't discolor, craze or cloud up like acrylic lenses</p> <p>Cleans easily</p>
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Lumen Output	<p>Wide range of lumen outputs available by varying the reflector types, drive currents and LED color temperature</p> <p>Available lumen range of 7,500 to 59,200</p> <p>Patent-pending Internal Louver (factory installed) on XLCS and XLCM or House Side Shield (field installed) for sharp cutoff with types FT and 3 Distributions</p> <p>Creates a brighter environment at lower light levels</p>
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LIGHT OUTPUT - XLCS							
		Lumens (Nominal)				Watts (Nominal)	
		Type 3	Type FT	Type 5	Type5E	TypeFTE	
Cool White	SS	10100	11400	11400	8200	7800	97
	HO	14000	15500	15700	11600	10600	140
Neutral White	SS	9700	10400	10800	7900	7500	97
	HO	13400	14700	15200	11000	10500	140

LED Chips are frequently updated therefore values may increase.

LIGHT OUTPUT - XLCM							
		Lumens (Nominal)				Watts (Nominal)	
		Type 3	Type FT	Type 5	Type5E	TypeFTE	
Cool White	SS	19900	22800	22900	15500	15800	193
	HO	27500	30900	31100	21200	21100	278
Neutral White	SS	19300	20000	20600	15000	15000	193
	HO	26700	27800	28500	20100	20400	278

LED Chips are frequently updated therefore values may increase.

LIGHT OUTPUT - XLCL						
		Lumens (Nominal)				Watts (Nominal)
		Type 3	Type FT	Type 5	FTA	
Cool White	SS	45,800	49,500	50,700	51,300	435
	HO	53,400	57,300	59,200	59,100	542
Neutral White	SS	45,600	48,600	49,600	50,400	435
	HO	52,800	56,300	57,600	57,700	542

LED Chips are frequently updated therefore values may increase.

Leading Specification Features

Leading Selection of Light Output Options

Multitude of Distribution Patterns

Small - Type 3, 5 & FT and Enhanced 5E & FTE

Medium - Type 3, 5, FT, FT-R & FT-L and Enhanced 5E & FTE

Large - Types 3, 5, FT, FT-R & FT-L and FTA

FT-R & FT-L allow for 180° mounting configurations with factory set optics

FT-L and FT-R ideal for automotive front row applications (XLCS, XLCL)

Type FTA available for single automotive front row design (XLCL)

Application staff available to determine best distribution pattern

LM79 & LM80 reports available

Color Rendering Index

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

Color Temperature

Cool white provides bright and pleasing area lighting at reduced foot candle levels

Neutral white 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 higher HO drive current can be utilized to drive for greater lumen output

Input Voltage

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

Unparalleled Speed & Ease of Installation

Mounting

Tapered rear design allows XLC to be mounted in 90° and 120° configurations without the need for extension arms

Optional round pole plate available for mounting to round poles

Wall mounting available

Pole Quick Mount Bracket for XLCS & XLCSM

Allows for easy one man installation

Available for horizontal mount or fixed 15° up tilt mount (XLCS, XLCSM)

Maintenance Free

Once installed, the XLC is virtually maintenance free

Drivers and key electronic components can easily be accessed

Exceptional Reliability in an LED Area Light

Environmentally Responsible

RoHS compliant

Greater than 80% recyclable by weight

Housing

One-piece die-formed aluminum housing

Contains factory prewired driver

Wiring access door (with safety lanyard) located underneath

All hardware is stainless steel or electro-zinc plated steel

Weather-tight

Fully enclosed weather tight wet-location housing

XLCS & XLCSM optical unit is IP65 rated

XLCL fixture is IP65 rated

Luminaire optical assembly permanently sealed with robotically applied polyurethane

Exceptional Reliability in an LED Area Light

Finish	<p>LSI's DuraGrip® polyester powder coat - resists corrosion and is scratch and ding resistant</p> <p>Withstands extreme weather changes without cracking or peeling.</p> <p>Exhibits excellent durability and resistance to ultraviolet rays</p>
Long-Life	<p>Up to 100,000 hours of expected life</p> <p>5X the lamp life expectancy of HID</p> <p>Once installed, virtually maintenance free</p>
Protection	<p>Driver components fully encased in potting material for moisture resistance</p> <p>Driver complies with FCC standards</p>
Pressure Stabilizing Vent/Breather	<p>Equalizes pressure in fixture optical unit preventing pressure buildup due to ambient temperature changes, protecting gaskets and seals over the life of the fixture</p>
Warranty	<p>Limited 5-year warranty</p>
Surge Protector	<p>Two-stage surge protection including separate surge protection built into electronic driver</p> <p>Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage</p>
Options/ Accessories	<p>Button type photocells (XLCS & XLCM) Twistlock photoelectric control receptacle (XLCL)</p> <p>Internal louver (XLCS & XLCM)</p> <p>Rear (XLCS,XLCM,XLCL) or side (XLCM, XLCL) mounted house side shield</p> <p>Pole quick mount brackets (horizontal or fixed 15° uptilt) (XLCS & XLCM)</p> <p>0-10V dimming</p>

DLC

Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at www.designlights.org for specific products listed

Enhances Architectural Styling of any Site

Unique, Contemporary Aluminum Housing Design

Low profile optical units are less than 2" thick - XLCS & XLCM
and less than 3" thick - XLCL

