

LED ROADWAY LIGHTS - (PRSU)



US patent 7828456, 7952293, 8002428 and CAN 2693131 & 2701653 and US & Int'l. patents pending

SMARTTEC™ THERMAL CONTROL - Sensors in driver enclosure reduce drive current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5000°K nominal) or Neutral White (4000°K nominal) color temperature. 70 CRI (nominal).

DISTRIBUTION/PERFORMANCE - Type S (Standard Symmetric). Exceptional uniformity creates bright environment at lower light levels.

HOUSING - One-piece, die-formed aluminum. Weather-tight housing contains factory prewired driver and field connections. Extruded one-piece EPDM gasketed wiring access door (with safety lanyard) is located underneath and utilizes tool-less thumbscrew fastener.

OPTICAL UNIT - Clear tempered optical grade flat glass lens sealed to aluminum optics housing creates an IP67 rated, sealed optical unit (includes pressure-stabilizing breather). Optical unit is recessed into housing cavity and sealed to the housing with extruded one-piece EPDM gasket. Optical unit lanyard serves dual purposes of safety and provides positive ground between unit and housing.

MOUNTING - Tapered rear design allows fixtures to be mounted to mast arms from 1-1/4" (1.66" O.D.) to 2" (2.375" O.D.) pipe using internal clamping bracket. Integral leveling device allowing +/- 5° vertical adjustment of the fixture, and leveling bubble accommodate variances in mast arm construction. Molded silicone barrier surrounds mast arm to restrict intrusion of insects and birds. If existing mast arm is larger than 2" (2.375" O.D.) pipe, tenon reducers are available. Consult factory. LSI mast arms can be ordered separately. Fixture can be rotated with an up-tilt to 90° using cast aluminum adjustable bracket. Adjustable brackets available for mounting on 2" (2.375" O.D.) pipe tenon or bolt-on mount with 5" traditional drilling pattern. See Accessory Ordering Information chart.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input), and 347-480 VAC. Optional twistlock photocell receptacle is available. Photocell must be ordered separately. Fixture Watts: LW -78, SS - 130 nominal.

DRIVER - Available in LW (Low Wattage) and SS (Super Saver) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for IP65 moisture resistance. Driver complies with IEC and FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F).

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com

SHIPPING WEIGHT (in carton) - 33 lbs. / 15 Kg (fixture only). Add mast arm weight for total shipping weight.

LISTING - ETL listed to U.S. and International safety standards. Suitable for wet locations.

LIGHT OUTPUT - PRSU		
		Lumens (Nominal) Type S
Cool White	LW	7800
	SS	12950
Neutral White	LW	7350
	SS	11800

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration 3G requirements.



Project Name _____ Fixture Type _____

Catalog # _____

01/21/14

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LSI INDUSTRIES INC.

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LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **PRSU S LED SS CW UE WHT PCR**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
PRSU	S - Standard Symmetrical	LED	LW - Low Wattage SS - Super Saver	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277) 347-480 - Universal Voltage (347-480V)	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	PCR - Photoelectric Control Receptacle ¹ TB - Terminal Block

LUMINAIRE EPA CHART - PRSU

 Single	0.9
 D180°	2.0

Note: House Side Shield adds to fixture EPA. Consult Factory.

ACCESSORY ORDERING INFORMATION

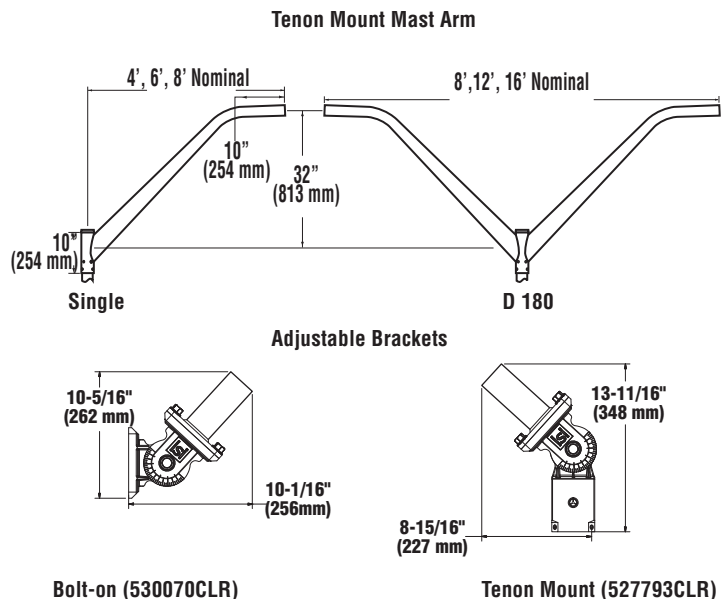
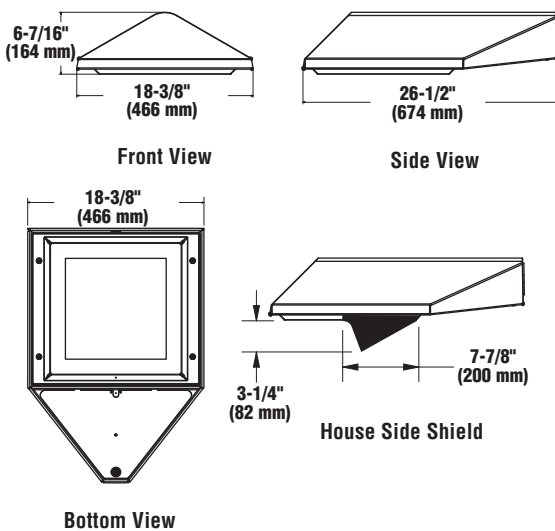
(Accessories are field installed)

Description	Order Number	Description	Order Number
BKA-NM-PRSU-ADJ-CLR 2" (2-3/8" O.D.) pipe tenon mount adjustable bracket kit	527793CLR	PC347 Photocell for use with PCR option (347V)	159516 ³
BKA-BO-PRSU-ADJ-CLR Bolt-on mount adjustable bracket kit (order poles with 5" traditional drilling pattern)	530070CLR	PC480 Photocell for use with PCR option (480V)	1225180 ³
PRSU HSS House Side Shield (Black only)	544103BLK ²	FK120 Single Fusing (120V)	FK120 ⁴
PC120 Photocell for use with PCR option (120V)	122514 ³	FK277 Single Fusing (277V)	FK277
PC208-277 Photocell for use with PCR option (208V, 240V, 277V)	122515 ³	FK277*DFK208, 240 Double Fusing (208V, 240V)	DFK208, 240 ⁴
		DFK480 Double Fusing (480V)	DFK480 ⁴
		FK347 Single Fusing (347V)	FK347 ⁴

FOOTNOTES:

- 1- Photocell must be ordered separately. See Accessories.
2 - House Side Shield adds to fixture EPA. Consult factory.
3- Factory installed PCR option required.
4 - Fusing must be located in the hand hole of pole.

DIMENSIONS



LSI MAST ARM: Available in 4', 6' and 8' nominal arm lengths with single (S) and double arms at 180° (D180) mounting configurations. All arms have a 32" rise. Hub mounts to 2" (2.375" O.D.) pipe size x 4-3/4" tall tenon. For use with Tenon Mount (N) poles (See separate data sheets).

TENON MOUNT MAST ARM ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **BKA PTB MAST ARM 4 S BLK**

Bracket Designation	Bracket Type	Bracket Length	Bracket Configuration	Bracket Finish	EPAs and Shipping Weights
BKA	PTB MAST ARM	4 - 4 Foot 6 - 6 Foot 8 - 8 Foot	S - Single D180 - Double	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White RAW - Raw Aluminum with Satin Finish	Catalog Number EPA Value Shipping Wt (kg/lbs)
					BKA PTB MAST ARM 4 S 1.9 4.1/9
					BKA PTB MAST ARM 4 D180 3.6 6.8/15
					BKA PTB MAST ARM 6 S 2.3 5.4/12
					BKA PTB MAST ARM 6 D180 4.5 9.5/21
					BKA PTB MAST ARM 8 S 3.2 7.3/16
					BKA PTB MAST ARM 8 D180 6.2 13.2/29