LED AREA LIGHTS - STERLING® (XSB)

Crossover®
LED LIGHTING TECHNOLOGY

US patents D676182, D675361, 7828456, 8002428, 7952293, 8432108 & 8567983 and CN patents 2693131 & 2701653 and US & Int'l. patents pending

SMARTTEC™ - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

ENERGY SAVING CONTROL OPTIONS - DIM - 0-10 volt dimming enabled with controls by others. BLS - Bi-level switching responds to external line voltage signal from separate 120-277V controller or sensor (by others), with low light level decreased to 30% maximum drive current.

OCCUPANCY SENSING (IMS) – Optional integral passive infrared motion sensor activates switching of luminaire light levels. High level light is activated and increased to full bright upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~2 minutes. Sensor is located on the center of the access cover and has a detection cone of approximately 45°.

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 - Quantity of LEDs between 168 and 302 offered in Cool White (5000°K nominal) or Neutral White (4000°K nominal) color temperature. 70 CRI (nominal).

DISTRIBUTION/PERFORMANCE - Available in wide throw (Type 5 and Type FT) and extended wide throw (Type 5X, AIX, FTX, FTAX) distributions. FT-L, FT-R, FTX-L, FTX-R, FTAX-L and FTAX-R allow for D180° mounting configurations with factory set optics for front row automotive applications.

HOUSING - One-piece die-cast aluminum housing contains four gasketed die-cast aluminum optical assemblies. Self-cleaning, vertically oriented structural ribs cast into housing allow for maximum heat dissipation. All hardware is stainless steel.

OPTICAL UNITS - Patented and patent pending angled optical assemblies feature clear tempered optical-grade glass sealed to die-cast aluminum optic assembly to create super-tight IP67 protection (includes pressure stabilizing breather). Lens is mounted perpendicular to angled LEDs to produce widest distribution with highest efficacy possible.

MOUNTING - Use with 5" traditional drilling pattern. Die-cast aluminum mounting arm, with gasket supplied for use between pole and arm, mounts to round or square pole. Round pole plate not required. Standard fixture arm allows for 90° and 120° mounting configurations. Mounting arm wiring access panel (with safety lanyard) utilizes a tool-less thumbscrew fastener.

ELECTRICAL - Terminal block, in mounting arm, for attachment of incoming primary wiring is supplied. Two-stage surge protection (including separate surge protection built into electronic driver) meets Location Category C Low. Available with universal voltage power supply 120-277VAC (50/60Hz input) and 347-480VAC. Optional twistlock photocell receptacle is available. Photocell must be ordered separately.

DRIVERS - Available in SS (Super Saver), HO (High Output) and VHO (Very High Output) drive currents (Drive currents are factory programed.). Components are fully encased in potting material for moisture resistance. Driver complies with IEC and FCC standards. Drivers can be easily accessed by removing tethered center access cover.

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) - 65 lbs./29.5Kg

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

LIGHT OUTPUT - XSB

		Lumens (Nominal)					Watts (Nominal)		
		Type 5	Type 5X	Type AIX	Type FT	Type FTX	Type FTAX	5/5X/AIX	FT	FTX/FTAX
Cool White	SS	22600	25400	-	13700	24600	-	240	181	285
	HO	26400	31000	28800	16900	29200	29000	312	233	366
	VHO	-	42200	41300	-	-	35700	491	-	420
Neutral White	SS	18200	20700	-	11400	20900	-	240	181	285
	HO	22300	26100	24800	14000	24300	24600	312	233	366
	VHO	-	35200	35300	-	-	33600	491	-	420

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

American Innovation
American Made

RoHS COMPLIANT · FC · CE · c(UL)us LISTED wet location

ARRA Funding Compliant · DLC · V enabled · IP65 IP67 · ida INTERNATIONAL DARKSKY ASSOCIATION APPROVED

LSI Industries™
American Innovation Through Technology

Project Name _____
Catalog # _____

Fixture Type _____

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LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XSB FTX LED HO CW UE WHT VCM**

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Controls	Sensor/Options
XSB	5 - Type V 5X - Type V Extended AIX - Automotive Interior Extended FT - Forward Throw FT-L - Forward Optic Rotated for D180 Mount (Left Side) FT-R - Forward Optic Rotated for D180 Mount (Right Side) FTX - Type FT Extended FTX-L - Type FT Extended Optic Rotated for D180 Mount (Left Side) FTX-R - Type FT Extended Optic Rotated for D180 Mount (Right Side) FTAX - Forward Throw Automotive Extended FTAX-L - Forward Throw Automotive Extended Optic Rotated for D180 Mount (Left Side) FTAX-R - Forward Throw Automotive Extended Optic Rotated for D180 Mount (Right Side)	LED	SS - Super Saver (5,5X,FT,FTX,only) HO -High Output VHO -Very High Output (Type 5X, AIX, FTAX only)	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277V) 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	**Virtinet Wireless Network** (requires a Ventura controller/Malibu link) (blank) - None VCM - Standard (revenue grade) VCMH - Standard (Host) DIM - 0-10 volt dimming (required for satellite fixtures) **Stand-Alone Control** (blank) - None DIM - 0-10V Dimming[1] (from external signal) BLS - Bi-level Switching[1] (from external signal - requires 120-277V controls system voltage)	**Sensor** ES- External Sensor[2] IMS- Integral Motion Sensor[3] **Options** PCR - Photoelectric Control Receptacle[4]

LUMINAIRE EPA CHART - XSB

▬	Single	1.4
▬-▬	D180°	2.7
▬⌐	D90°	2.6
⊢⊤	T90°	4.0
⨁	TN120°	4.2
⊕	Q90°	5.3

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

ACCESSORY ORDERING INFORMATION
(Accessories are field installed)

Description	Order Number	Description	Order Number
XSB-FT/FTX/FTAX-HSS House Side Shield (Black only)	525144BLK[5]	DFK480 Double Fusing (480V)	DFK480[7]
XSB PLS Polycarbonate Shield	526013	FK347 Single Fusing (347V)	FK347[7]
BKS-BO-WM-*-CLR Wall Mounting Bracket	123111CLR	ROSB120 - WL Remote Box with 120V Occupancy Sensor	C/F[8]
PC120 Photocell for use with PCR option (120V)	122514[6]	ROSB277 - WL Remote Box with 277V Occupancy Sensor	C/F[8]
PC208-277 Photocell for use with PCR option (208V, 240V, 277V)	122515[6]	RPSB120 - Wet Location Remote Box with 120V External Photocell	C/F[8]
PC347 Photocell for use with PCR option (347V)	159516[6]	RPSB208-277 - Wet Location Remote Box with	
PC480 Photocell for use with PCR option (480V)	1225180[6]	208-277V External Photocell	C/F[8]
FK120 Single Fusing (120V)	FK120[7]	PMOS120 - 120V Pole-Mount Occupancy Sensor	518030CLR[9]
FK277 Single Fusing (277V)	FK277[7]	PMOS208/240 - 208, 240V Pole-Mount Occupancy Sensor	C/F[9]
DFK208, 240 Double Fusing (208V, 240V)	DFK208, 240[7]	PMOS277 - 277V Pole-Mount Occupancy Sensor	518029CLR[9]

FOOTNOTES:

1 - IMS, DIM and BLS cannot be ordered together.

2 - Do not specify for satellite units.

3 - Available with wireless controls - contact factory. Not available with DIM or BLS

4- Photocell must be ordered separately. See Accessories.

5 - House Side Shields add to fixture EPA. Consult factory.

6 - Factory installed PCR option required. See Options.

7 - Fusing must be located in the hand hole of pole.

8 - Includes VCM. To be used in conjunction with VCM option in fixture. Consult factory.

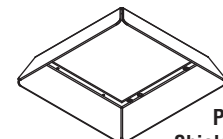9 - To be used in conjunction with any of the VCM control modules and ES sensor option in fixture. Consult factory.
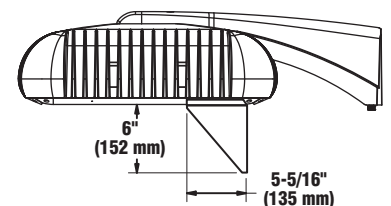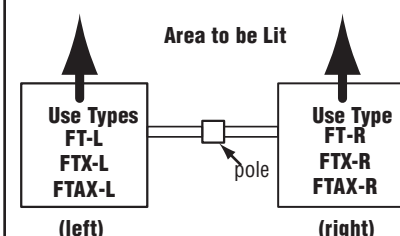
DIMENSIONS

32-3/4" (832 mm)
23-1/4" (591 mm)
23-1/4" (591 mm)
3-5/8" (92 mm)
Top View
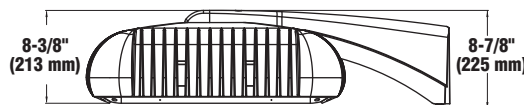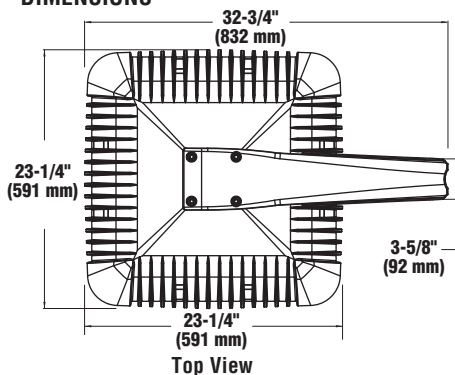
8-3/8" (213 mm)
8-7/8" (225 mm)
Side View

Front View

Polycarbonate Shield - PLS

6" (152 mm)
5-5/16" (135 mm)
House Side Shield (525144BLK)

LEFT AND RIGHT VERSIONS OF TYPE FT, FTX & FTAX REFLECTORS (TOP VIEW)

Area to be Lit

Use Types
FT-L
FTX-L
FTAX-L
(left)

pole

Use Type
FT-R
FTX-R
FTAX-R
(right)

Note: Distributions are not field-rotatable. For D180 Forward Throw installations specify left (FT-L, FTX-L or FTAX-L) and/or right (FT-R, FTX-R or FTAX-R) side mounting. Orientation is based on standing at the pole and looking out at the area to be lit.