

LED AREA LIGHTS - STERLING® (XSB)



DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

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	24,867	27,709	-	14,654	24,581	-	240	181
	HO	30,613	34,112	32,800	18,041	29,413	29,413	312	233
	VHO	-	47,062	45,251	-	-	38,325	491	-
	SVHO	-	67,408	64,785	-	-	45,373	693	-
Neutral White	SS	21,824	24,318	-	12,137	21,631	-	240	181
	HO	26,910	29,987	28,831	15,858	26,015	26,015	312	233
	VHO	-	41,624	40,023	-	-	33,689	491	-
	SVHO	-	62,414	61,380	-	-	44,684	693	-

LED Chips are frequently updated therefore values may increase.

US patents D664,704 D676,182 D680,676 D680,681 8215799 8,382,334 8,480,264 8,696,171 7,828,456 8,002,428 8,177,386 8,434,893 8,567,983 and CAN 2701653 2813111 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°.

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

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. Fixture is IP65 rated.

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 IEEE C62.41.2-2002, Location Category C. 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), VHO (Very High Output) and Super VHO (Very High Output) drive currents (Drive currents are factory programmed.). 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 - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - 65 lbs./29.5Kg

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

For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

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 # _____

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LUMINAIRE ORDERING INFORMATION

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

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Optional Controls	Optional Sensor/Options
XSB	5 - Type V 5X - Type V Extended ¹² 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) SVHO -Super Very High Output ^{12, 13}	CW - Cool White (5000K) NW - Neutral White (4000K)	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	Wireless Control System^{1,2} (blank) - None PCM - Platinum Control System PCMH - Host/Satellite Platinum Control System GCM - Gold Control System GCMH - Host/Satellite Gold Control System ³ DIM - 0-10 volt dimming (required for satellite fixtures) Stand-Alone Control (blank) - None DIM - 0-10 volt dimming ⁴ (from external signal) BLS - Bi-level Switching ⁵ (from external signal - required 120-277V controls system voltage)	Sensor IMS - Integral Motion Sensor ⁶ Options PCR - Photoelectric Control Receptacle ⁷

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 INFORMATION¹

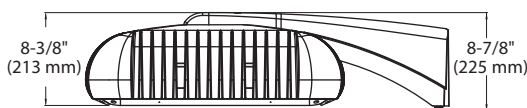
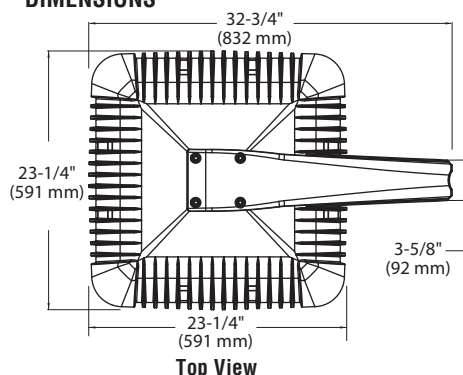
(Accessories are field installed)

Description	Order Number	Description	Order Number
XSB-FT/FTX/FTAX-HSS House Side Shield (Black only)	525144BLK ⁸	FK277 Single Fusing (277V)	FK277 ¹⁰
XSB-PLS Polycarbonate Shield	526013	DFK208, 240 Double Fusing (208V, 240V)	DFK208,240 ¹⁰
BKS-BO-WM-* -CLR Wall Mounting Bracket	123111CLR	DFK480 Double Fusing (480V)	DFK480 ¹⁰
PC120 Photocell for use with PCR option (120V)	122514 ⁹	FK347 Single Fusing (347V)	FK347 ¹⁰
PC208-277 Photocell for use with PCR option (208V, 240V, 277V)	122515 ⁹	PMOS120 120V Pole-Mount Occupancy Sensor	518030CLR ¹¹
PC347 Photocell for use with PCR option (347V)	159516 ⁹	PMOS208/240 208V, 240V Pole-Mount Occupancy Sensor	534239CLR ¹¹
PC480 Photocell for use with PCR option (480V)	1225180 ⁹	PMOS277 277V Pole-Mount Occupancy Sensor	518029CLR ¹¹
FK120 Single Fusing (120V)	FK120 ¹⁰	PMOS480 480V Pole-Mount Occupancy Sensor	534240CLR ¹¹

FOOTNOTES:

- For wireless controls information and accessories, see Controls section.
- Requires a SiteManager and override switch. Not compatible with BLS or IMS option.
- Consult factory for available configurations.
- Not compatible with IMS or BLS option.
- Not compatible with wireless controls system, DIM or IMS option.
- Not compatible with wireless controls system, DIM or BLS option.
- Photocell must be ordered separately. See Accessories.
- House Side Shields add to fixture EPA. Consult factory.
- Factory installed PCR option required. See Options.
- Fusing must be located in the hand hole of pole.
- To be used in conjunction with any of the PCM/GCM wireless controls systems in fixture. Consult factory.
- SVHO drive current available in Type 5X distribution only.
- SVHO is not currently listed on QPL for DLC.

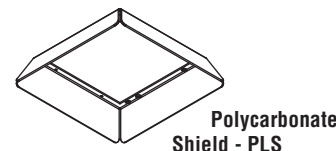
DIMENSIONS



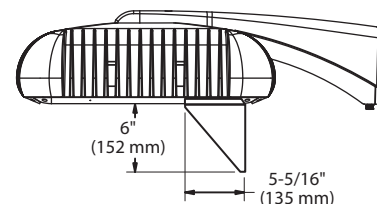
Side View



Front View

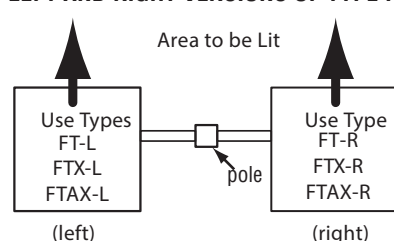


Polycarbonate Shield - PLS



House Side Shield (525144BLK)

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



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.



Project Name _____ Fixture Type _____
Catalog # _____

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BUG LISTING

CW - 5000K

Catalog Number	Lumens	Watts	LER	BUG Rating
XSB-5-LED-HO-CW	30,613	310	99	B5-U0-G4
XSB-5-LED-SS-CW	24,867	239	104	B5-U0-G3
XSB-5X-LED-SVHO-CW	67,408	692	97	B5-U0-G5
XSB-5X-LED-VHO-CW	47,062	487	97	B5-U0-G5
XSB-5X-LED-HO-CW	34,112	311	110	B5-U0-G5
XSB-5X-LED-SS-CW	27,709	241	115	B5-U0-G5
XSB-AIX-LED-SVHO-CW	64,785	694	93	B5-U0-G5
XSB-AIX-LED-VHO-CW	45,251	495	91	B5-U0-G5
XSB-AIX-LED-HO-CW	32,800	315	104	B5-U0-G5
XSB-FTAX-LED-SVHO-CW	45,373	508	89	B4-U0-G5
XSB-FTAX-LED-VHO-CW	38,325	418	92	B3-U0-G5
XSB-FTAX-LED-VHO-CW-HSS	37,559	418	90	B3-U0-G5
XSB-FTAX-LED-HO-CW	29,413	365	81	B3-U0-G4
XSB-FTAX-LED-HO-CW-HSS	28,825	365	79	B3-U0-G5
XSB-FT-LED-HO-CW	18,041	232	78	B3-U0-G4
XSB-FT-LED-HO-CW-HSS	17,228	232	74	B3-U0-G4
XSB-FT-LED-SS-CW	14,654	181	81	B3-U0-G3
XSB-FT-LED-SS-CW-HSS	13,994	181	77	B2-U0-G3
XSB-FTX-LED-HO-CW	29,413	366	80	B3-U0-G5
XSB-FTX-LED-HO-CW-HSS	28,825	366	79	B3-U0-G5
XSB-FTX-LED-SS-CW	24,581	280	88	B3-U0-G5
XSB-FTX-LED-SS-CW-HSS	24,089	280	86	B3-U0-G5

NW - 4000K

Catalog Number	Lumens	Watts	LER	BUG Rating
XSB-5-LED-HO-NW	26,910	309	87	B5-U0-G3
XSB-5-LED-SS-NW	21,824	238	92	B5-U0-G3
XSB-5X-LED-SVHO-NW	62,414	692	90	B5-U0-G5
XSB-5X-LED-VHO-NW	41,624	487	85	B5-U0-G5
XSB-5X-LED-HO-NW	29,987	310	97	B5-U0-G5
XSB-5X-LED-SS-NW	24,318	238	102	B5-U0-G4
XSB-AIX-LED-SVHO-NW	61,380	696	88	B5-U0-G5
XSB-AIX-LED-VHO-NW	40,023	496	81	B5-U0-G5
XSB-AIX-LED-HO-NW	28,831	315	92	B5-U0-G5
XSB-FTAX-LED-SVHO-NW	44,684	511	87	B4-U0-G5
XSB-FTAX-LED-VHO-NW	33,689	418	81	B3-U0-G5
XSB-FTAX-LED-VHO-NW-HSS	33,015	418	79	B3-U0-G5
XSB-FTAX-LED-HO-NW	26,015	366	71	B3-U0-G5
XSB-FTAX-LED-HO-NW-HSS	25,495	366	70	B3-U0-G4
XSB-FT-LED-HO-NW	15,858	234	68	B3-U0-G3
XSB-FT-LED-HO-NW-HSS	15,152	234	65	B2-U0-G3
XSB-FT-LED-SS-NW	12,137	181	67	B2-U0-G3
XSB-FT-LED-SS-NW-HSS	11,597	181	64	B2-U0-G3
XSB-FTX-LED-HO-NW	26,015	366	71	B3-U0-G5
XSB-FTX-LED-HO-NW-HSS	25,496	366	70	B3-U0-G5
XSB-FTX-LED-SS-NW	21,631	280	77	B3-U0-G5
XSB-FTX-LED-SS-NW-HSS	21,199	280	76	B2-U0-G5



Project Name _____ Fixture Type _____
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