



Architectural Flood (XFLM)

Outdoor Flood Light



OVERVIEW

Lumen Output Range	3,000 - 7,000
Wattage Range	36 - 64
Efficacy Range (LPW)	61 - 125
Weight lbs (kg)	18 (8.2)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Architecturally styled, one-piece, die-cast aluminum, 360 alloy, low copper housing with .156" nominal wall thickness
- A one-piece vulcanized silicone gasket seals the door frame to the housing and is concealed when fixture is closed.
- One-piece, die-cast aluminum, 360 alloy, low copper, .156" nominal wall thickness door frame secures to housing via four, stainless steel recessed captive torx T-30 screws
- 3/16" thick clear tempered glass lens is sealed to door frame by a one-piece silicone gasket and ten black zinc plated clips.
- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.
- Luminaire is proudly manufactured and tested in the U.S
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.

Optical System

- Choice of 6 high performance distributions; HF, VF, MF, NF, WF, or SP
- Flood Optic lens is made of optical grade acrylic for increased efficiency and optical precision.
- Available in 5000K (70 CRI), 4000K (80 CRI), and 3500K (80 CRI) color temperatures per ANSI C78.377.

Electrical

- Optional 0-10V dimming (10% - 100%).
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards.
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Drivers feature two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C, 10KV.

Installation

- Standard mount is a heavy duty die cast knuckle assembly with 3/4-14 NPS male threaded arm that provides 185° range of motion.
- Knuckle locking plate teeth and arm allow for tilt / aiming in 7.5° increments. Aiming angle markings in 15° increments allow reliable error free aiming.
- Standard knuckle mount tested to withstand up to 3G vibration load rating per ANSI C136.31.
- Optional YM- Yoke Mount is also available.
- Mounting accessories include Stanchion Mount, Post-Top Adapter, Junction Box, & Wall Mount for recessed or surface mount applications.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions qualify.





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ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **XFLM SP LED 28 HO NW UE BRZ PC120**

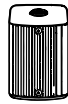
Family	Distribution	Light Source	# of LEDs	Drive Current	Color Temp	Line Voltage	Finish	Options
XFLM - Architectural Flood	HF - Horizontal Flood	LED	28	HO - High Output	CW - Cool White (5000K)	UE - Universal Voltage (120 - 277V)	BRZ - Dark Bronze	PC120 - 120V Photocontrol PC1HV - 208V - 277V Photocontrol PC347 - 347V Photocontrol YM - Yoke Mount DIM - 0-10V Dimming
	MF - Medium Flood		49		NW - Neutral White (4000K)		BLK - Black	
	VF - Vertical Flood				WW - Warm White (3500K)		GMG - Gun Metal Gray	
	SP - Spot						GPT - Graphite	
	NF - Narrow Flood						MSV - Metallic Silver	
WF - Wide Flood				WHT - White		PLP - Platinum Plus		SVG - Satin Verde Green

Bracket Ordering Information

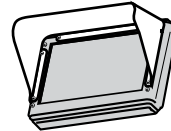
Bracket Designation	Bracket Type	Bracket Configuration	Length	Finish	Options	Est. Weight (lbs.)
BKA - Bracket Aluminum	XFLM	SMC - Stanchion Mount	23"	BRZ - Dark Bronze	None	7
		J4R WM - Wall Mount	4"	BLK - Black		2
		J4R WM SCE - Wall Mount Side Conduit Entry		GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver WHT - White PLP - Platinum Plus SVG - Satin Verde Green		

Accessory Ordering Information (Accessories are field installed)

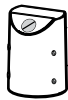
ARCHITECTURAL JUNCTION BOX (JB) - Cast aluminum body and extruded matching cover. One-piece EPDM cover gasket. Internal ground screw provided. 3/4" NPSM fixture mount with sealing locknut. Two 1/2" NPSM for conduit entry. For above grade installation only. Available in standard finishes.



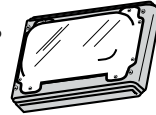
GLARE SHIELD (GS) - Formed 16 ga. steel. Mounts to die-cast door frame holes and may be used with polycarbonate shield accessory. Available in standard finishes.



POST TOP ADAPTOR (PT) - One-piece cast aluminum - mounts on pole with 2" pipe tenon (2-3/8" OD x 3-1/2" minimum length) or 2-1/2" pipe tenon (2-7/8" OD x 3-1/2" minimum length). Fixture threads into adaptor and attaches to pole with allen set screws. Post Top Adaptor allows mounting of one or two fixtures and 360° horizontal adjustment. Available in standard finishes.



POLYCARBONATE SHIELD (PS) - 1/8" clear convex, UV stabilized, thermoformed polycarbonate. Mounts to die-cast door frame holes. May be used with glare shield accessory. **Caution:** Use only when vandalism is anticipated. Useful life is limited by UV discoloration from sunlight.



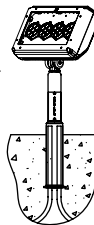
1/2" THREADED ADAPTOR (TA) - Machined aluminum pipe reducer adapts 3/4" pipe thread (T-stem) to 1/2" pipe thread provided by others.



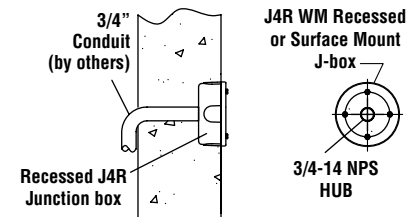
Description	Order Number
JB - Junction Box	122534CLR
GS - Glare Shield	122540CLR
PS - Polycarbonate Shield	122541
PT - Post Top Adaptor	122542CLR
TA - Thread Adaptor 1/2" (No Finish)	122543

MOUNTING BRACKETS

STANCHION MOUNT (SMC) - 3" OD x .250" x 22.65" cast aluminum with 3/4" NPSM fixture mount, and a standard 2 3/8" tenon. Wiring and internal ground lug accessible through hand hole. Available in standard finishes.



WALL MOUNT J-BOX (J4 WM or J4R WM SCE) - Accessory includes J4R J-Box, 507504 3/4-14 NPS canopy, canopy gasket, & 4 cap screws. J4R WM SCE version for surface mount conduit applications includes 2ea 1/2" conduit entries & includes conduit plugs.





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PERFORMANCE

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DELIVERED LUMENS*												
# of LEDs	Distribution	NEMA Type	WW - 3500K CCT (80 CRI)			NW - 4000K CCT (80 CRI)			CW - 5000K CCT (70 CRI)			Wattage
			Delivered Lumens	Efficacy	Max CD	Delivered Lumens	Efficacy	Max CD	Delivered Lumens	Efficacy	Max CD	
28	HF	5H X 3V	2487	69	8402	3114	87	10178	3717	103	11456	36
	MF	4H X 4V	2470	69	6602	3002	83	8413	3732	104	9650	
	WF	5H X 5V	2370	66	4728	3081	86	5680	3407	95	5572	
	VF	3H X 5V	2439	68	8104	3155	88	9913	3678	102	11181	
	NF	3H X 3V	2294	64	10842	2979	83	13882	4149	115	15904	
	SP	3H X 3V	3191	89	24825	3473	96	29965	4501	125	34100	
49	HF	5H X 3V	3921	61	13770	5580	87	17612	6584	103	19801	64
	MF	4H X 4V	3920	61	10724	5175	81	13260	6573	103	16753	
	WF	5H X 5V	3894	61	7415	5283	83	9403	5744	90	9912	
	VF	3H X 5V	4260	67	13997	5197	81	17306	6548	102	18627	
		4H X 4V	4145	65	19038	5671	89	23703	6298	98	24681	
	SP	3H X 3V	4719	74	44216	5883	92	51690	6986	109	51976	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*							
Lumens	120V	208V	240V	277V	347V	480V	
28	0.30	0.17	0.15	0.13	0.10	0.08	
49	0.53	0.31	0.27	0.23	0.18	0.13	

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

PRODUCT DIMENSIONS

