LED FLOOD LIGHT - MEDIUM (XFLM)

US & Int'l. patents pending
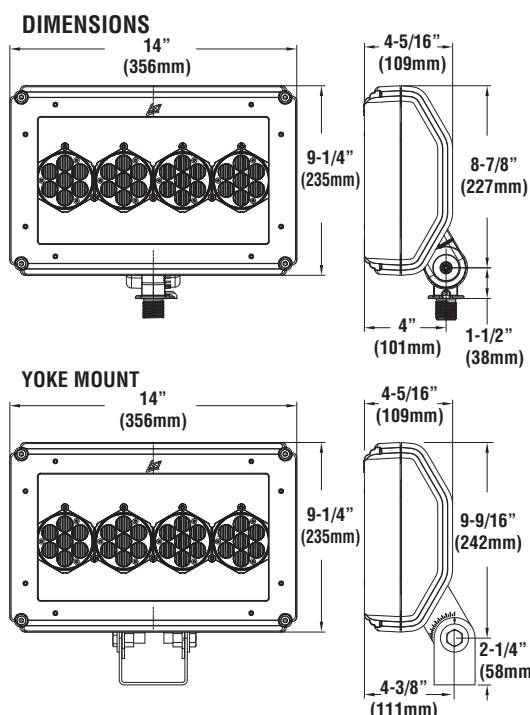

DOE LIGHTING FACTS

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.

DIMENSIONS

14" (356mm)
9-1/4" (235mm)
4-5/16" (109mm)
8-7/8" (227mm)
4" (101mm)
1-1/2" (38mm)

YOKE MOUNT

14" (356mm)
9-1/4" (235mm)
4-5/16" (109mm)
9-9/16" (242mm)
2-1/4" (58mm)
4-3/8" (111mm)

EPA 1.1

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

DLC LISTED · cULus LISTED wet location · RoHS COMPLIANT · CE · **IP66**

HOUSING – Architecturally styled, one-piece, die-cast aluminum, 360 alloy, low copper housing with .156" nominal wall thickness. One-piece vulcanized silicone gasket seals the door frame to the housing and is concealed when fixture is closed.

DOOR FRAME – 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.

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

LEDS – Features an array of select, high brightness, high efficiency LED chips; CW - 5000K color temperature, 70 CRI or NW - 4000K color temperature, 80 CRI or WW - 3500K color temperature, 80 CRI.

OPTICS / DISTRIBUTION – Choice of 6 high performance distributions; HF, VF, MF, NF, WF, or SP.

PRESSURE STABILIZING VENT – Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

DRIVER– Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. Optional 0-10V dimming driver available, with controls by others.

OPERATING TEMPERATURE - -40˚C to 40˚C (-40˚F to +104˚F)

ELECTRICAL – Universal voltage power supply, 120-277 VAC (50/60 HZ input) and 347-480 VAC. 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

MOUNTING – 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.

SHIPPING WEIGHT – 18 pounds.

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.

LISTING - UL listed to UL 1598, UL 8750 and other 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.

XLFM Photometric Technical Summary and Comparison

Catalog Number	NEMA Type	Field Angle H°	Field Angle V°	Beam Angle H°	Beam Angle V°	Max CD	Lumens	Watts	LPW
XFLM-HF-LED-49-HO-CW-UE	5H X 3V	77	36	54	16	19,801	6,584	64	103
XFLM-MF-LED-49-HO-CW-UE	4H X 4V	60	60	33	32	16,753	6,573	64	103
XFLM-WF-LED-49-HO-CW-UE	5H X 5V	73	72	44	44	9,912	5,744	64	90
XFLM-VF-LED-49-HO-CW-UE	3H X 5V	38	77	18	53	18,627	6,548	64	102
XFLM-NF-LED-49-HO-CW-UE	4H X 4V	48	47	24	23	24,681	6,298	64	98
XFLM-SP-LED-49-HO-CW-UE	3H X 3V	36	34	17	15	51,976	6,986	64	109
XFLM-HF-LED-28-HO-CW-UE	5H X 3V	77	35	54	16	11,456	3,717	36	103
XFLM-MF-LED-28-HO-CW-UE	4H X 4V	60	60	33	32	9,650	3,732	36	104
XFLM-WF-LED-28-HO-CW-UE	5H X 5V	74	74	45	44	5,572	3,407	36	95
XFLM-VF-LED-28-HO-CW-UE	3H X 5V	36	76	17	53	11,181	3,678	36	102
XFLM-NF-LED-28-HO-CW-UE	4H X 3V	48	46	24	23	15,904	4,149	36	115
XFLM-SP-LED-28-HO-CW-UE	3H X 3V	35	34	17	16	34,100	4,501	36	125

LED Chips are frequently updated therefore values may increase.

Project Name _____

Catalog # _____

Fixture Type _____

10/21/15

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LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE:	XFLM	SP	LED	28	HO	CW	UE	BRZ

Luminaire Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temp.	Line Voltage	Luminaire Finish	Options
XFLM - Medium LED Flood	HF - Horizontal Flood MF - Medium Flood VF - Vertical Flood SP -Spot NF - Narrow Flood WF - Wide Flood	LED	28 49	HO - High Output	CW - Cool White (5000K) NW - Neutral White (4000K) WW - Warm White (3000K)	UE - Universal Voltage (120-277v) 347-480 Univ Voltage (347-480v)	BRZ - Bronze BLK - Black PLP – Platinum Plus WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver	PC120 - Photocell 120v PCHV - Photocell 208-277v PC347 - Photocell 347v[1] YM - Yoke Mount DIM - 0-10v Dimming

FOOTNOTES:

1- PCI option is not available in 480V.

BRACKET ORDERING INFORMATION

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

TYPICAL ORDER EXAMPLE:	BKA	XFLM	SMC	23	BLK

ACCESSORY ORDERING INFORMATION   (Accessories are field installed)

Description	Order Number	Description	Order Number
JB – Junction Box	122534CLR	PS – Polycarbonate Shield	122541
BD – Barn Doors	122539CLR	PT – Post Top Adaptor	122542CLR
GS – Glare Shield	122540CLR	TA – Thread Adaptor 1/2" (No Finish)	122543

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.
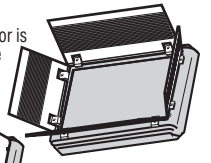

POST TOP ADAPTOR (PT) - One-piece cast aluminum – mounts on pole with 2" pipe tenon (2-3/8" OD x 3-1/2" minimum length) or 2-1/2" pipe tenon (2-7/8" OD x 3-1/2" minimum length). Fixture threads into adaptor and attaches to pole with allen set screws. Post Top Adaptor allows mounting of one or two fixtures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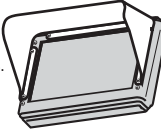

1/2" THREADED ADAPTOR (TA) - Machined aluminum pipe reducer adapts 3/4" pipe thread (T-stem) to 1/2" pipe thread provided by others.
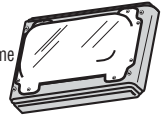

BARN DOORS (BD) - Extruded aluminum doors with anti-reflection baffles. Each door is attached with two aluminum clamps with set screws to maintain position. Doors are individually removable. Assembly mounts to die-cast door frame holes. Caution: Not recommended for ground-mounted fixtures in vandal-prone areas. 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.
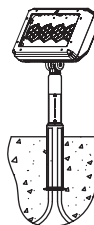
POLYCARBONATE SHIELD (PS) 1/8" clear convex, UV stabilized, thermoformed polycarbonate. Mounts to die-cast door frame holes. May be used with glare shield accessory. Caution: Use only when vandalism is anticipated. Useful life is limited by UV discoloration from sunlight.
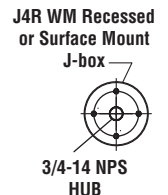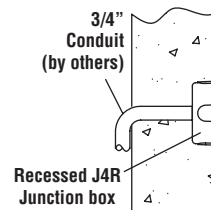

MOUNTING BRACKETS

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.

3/4" Conduit (by others)

Recessed J4R Junction box

J4R WM Recessed or Surface Mount J-box

3/4-14 NPS HUB