



Project:	Date
Type:	
Model:	

Description

The LSL2 Series is a high-performance stadium lighting solution engineered with an innovative Remote Power System. This design streamlines installation, increases on-site flexibility, and significantly reduces maintenance time by eliminating the need for bucket trucks or crane equipment to service drivers. Precision-engineered optics deliver exceptional light output and efficiency, making the LSL2 an ideal choice for municipal fields, school sports complexes, and semi-professional athletic venues.

Construction

- Sealed die-casting profile for outdoor applications.
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants (IP65).

Optics

- Available in NEMA 2Hx2V, 3Hx3V, 4Hx4V, 5Hx5V, 6Hx6V distributions.
- Light engines are available in standard 4000K, 5000K, and 5700K (70/80/90 CRI) configurations.
- Lumen package from 70,000 to 165,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency & application spacing.

Electrical

- Input voltage: 120-277VAC or 200-480VAC.
- Standard with 0-10V dimming driver(s).
- Built in surge protector max.20KV at 120-277V or max.40KV at 277-480V.
- THD: <20%
- Power Factor: >90%

Ambient Temperature

- Operating temperature: -40°F to 131°F (-40°C to 45°C)

Lifespan

- Estimated 100,000-hours LED lifespan based on ILM-80 results & TM-21 calculations.

Note

- Actual performance may differ as a result of end-user environment & application. All values are design or typical values, measured under laboratory conditions at 77°F (+41°F).

Certifications

- DesignLights Consortium™ Qualified.
- UL wet location listed.

ORDER INFORMATION

EXAMPLE: LSL2-600W-HV-50K-B33-BK



Series	Wattage	Voltage	CCT	NEMA (Optics)	Mounting	Shroud	Aiming Sight	Finish
LSL2 Sports Light	500W	Y 120-277V	40K 4000K	BB22 2Hx2V	YK Yoke	Blank None	Blank None	BK Black
	600W	(500W ONLY)*		BB33 3Hx3V				
	850W	HV 200-480V (347-480V / 500W ONLY)*	50K 5000K	BB44 4Hx4V		SH Shroud	AS Aiming Sight	
			57K 5700K	BB55 5Hx5V 5Hx5V optics suitable for 850W Only*				

Enter configuration:

* 120-277V available for 500W ONLY / ** 6-8 Weeks

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

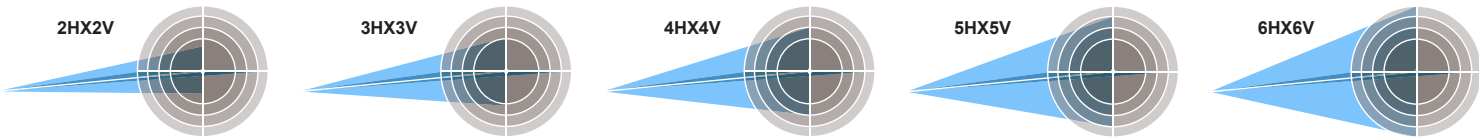
PERFORMANCE DATA

MODEL	WATTS	VOLTAGE	NEMA	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
LSL2 Sports Light	500W	120-277V / 347-480V	4Hx4V	1.8911	70	70,168lm	139 lm/W	72,000lm	143 lm/W	72,000lm	143 lm/W
			3Hx3V	1.8911	70	72,000lm	143 lm/W	72,000lm	143 lm/W	72,000lm	143 lm/W
	600W	200-480V	4Hx4V	1.8911	70	86,203lm	144 lm/W	90,000lm	150 lm/W	91,000lm	152 lm/W
			3Hx3V	1.8911	70	90,000lm	150 lm/W	90,000lm	150 lm/W	91,000lm	152 lm/W
	850W	200-480V	4Hx4V	2.5471	70	117,690lm	138 lm/W	120,000lm	141 lm/W	120,000lm	141 lm/W
			3Hx3V	2.5471	70	120,000lm	141 lm/W	120,000lm	141 lm/W	120,000lm	141 lm/W

ELECTRICAL DATA

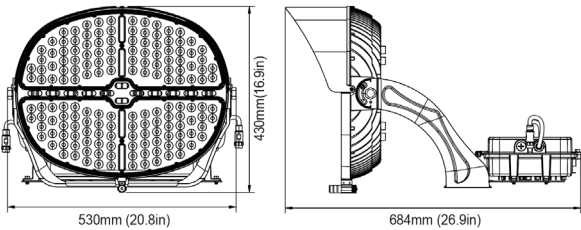
Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1350	500	120	4.17
		500	208	2.40
		500	240	2.08
		500	277	1.81
		500	347	1.44
		500	480	1.04
1	1250	600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25
1	2750	850	208	4.09
		850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77

NEMA OPTICS

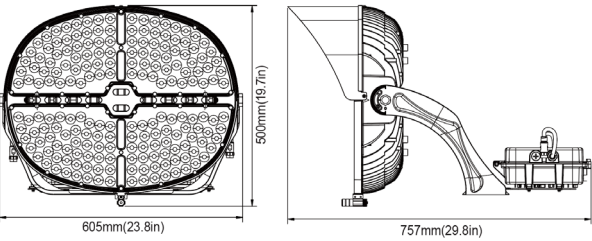


DIMENSIONS

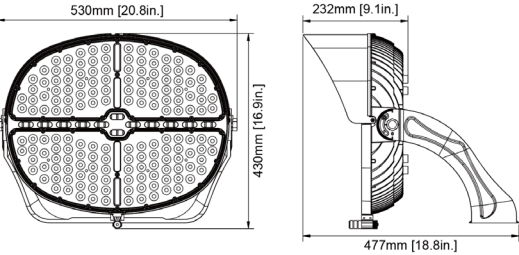
Small Size: 500W & 600W



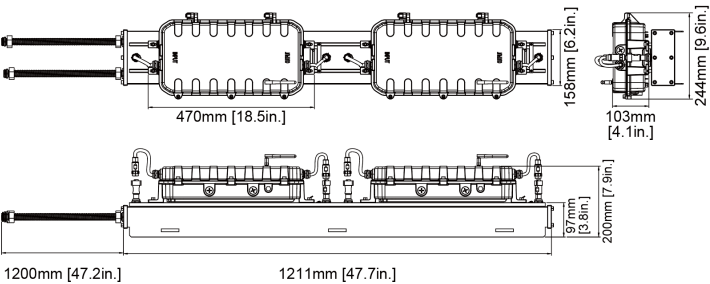
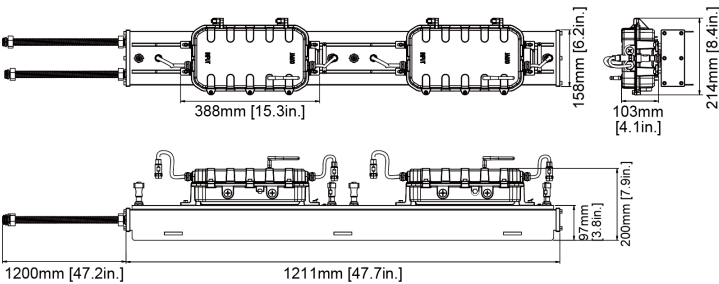
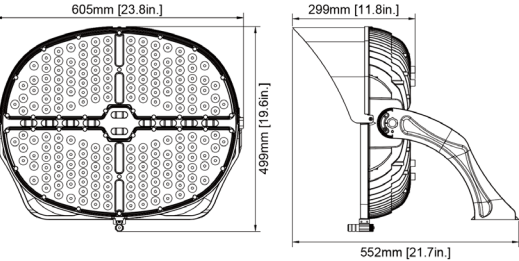
Large Size: 850W









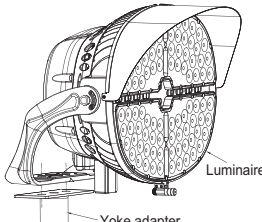
Small Size: 500W & 600W



Large Size: 850W



ACCESSORIES (Sold separately)

			
Shroud	Glare Control Shield	Aiming Sight	Adaptor for Square lighting brackets
		 <p>Luminaire Yoke adapter</p> <p>Another optional easy installation is provided to apply the fixture on a 2 3/8" tennon with Luminoso LED's Yoke adapter.</p>	
Extension Cord Up to 164FT (50M)	Power Box Mounting Rail (Sold separately)	Yoke Adapter	

REMOTE POWER BOX (Optional)

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MOUNTING BRACKET (Optional)



Yoke adaptor:
This adaptor is an option to mount on a 2 3/8" tennon.



Square Beam Mounting Bracket
(sold separately)

Fixture is easily mounts to cross arm without drilling.

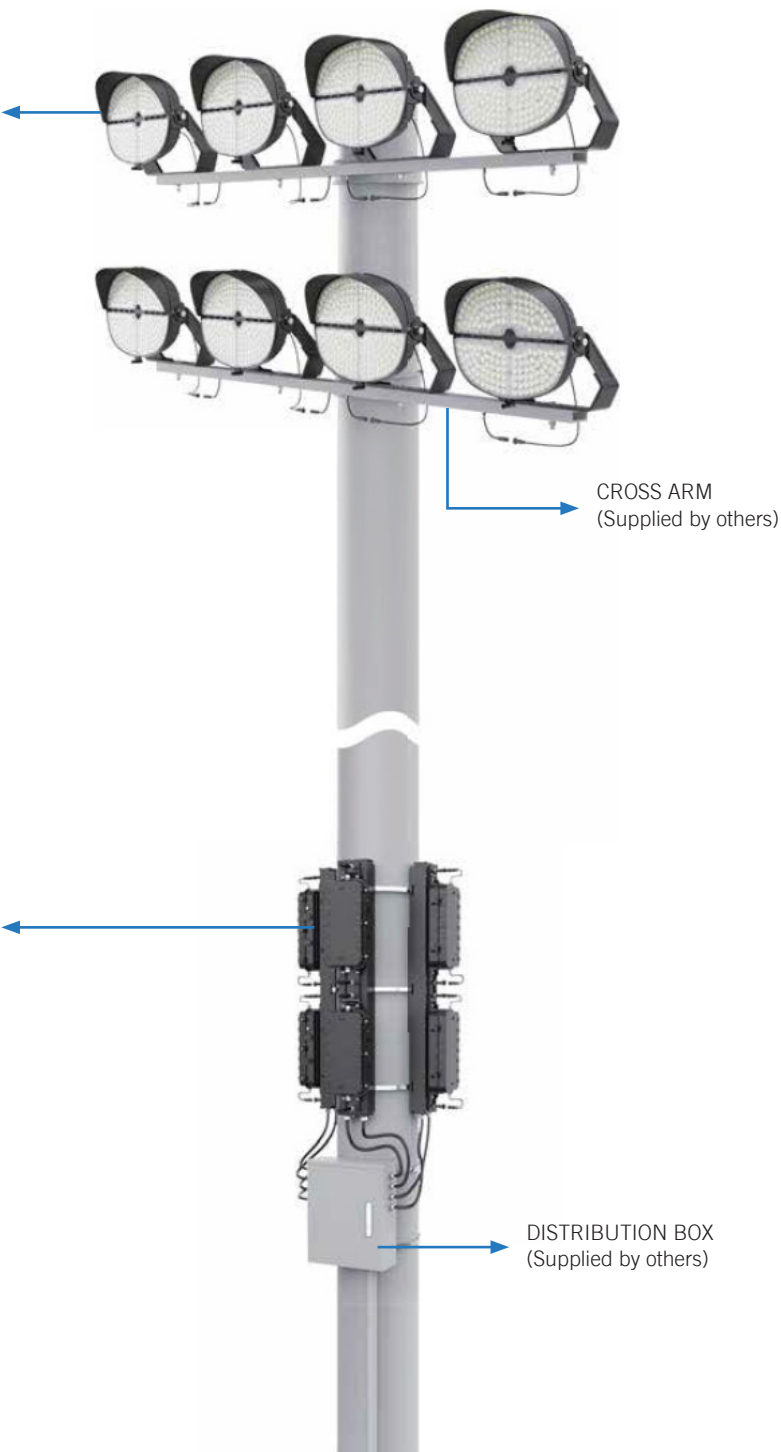
REMOTE POWER BOX



Two remote power boxes can be installed in one power box mounting rail.

POWER BOX MOUNTING RAIL
(Sold Separately)





POWER BOX ATTACHED (Optional)

The fixture can be installed as a complete unit at the top of the pole with the power supply in place, enabling quick installation without additional labor. This design reduces power loss from remote wiring and enhances overall system efficiency.

