

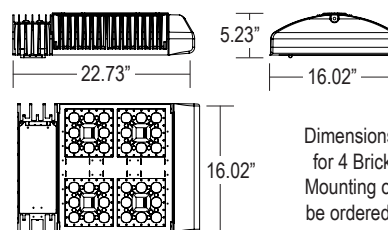


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Catalog Number	
Project	Type



High Lumen Output Scimitar LED Flood Light LSMT SERIES



Dimensions shown are for 4 Brick Unit Only. Mounting options must be ordered separately.

Series	Housing Height	Length & Width	EPA (ft ²)
LSMT	5.23"	22.73" x 16.02"	0.93

FEATURES & SPECIFICATIONS

APPLICATION — The high lumen output luminaire is designed to be a replacement for HID fixtures up to 1000W. It is optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult are ideal applications. The high wattage/lumen output allows the fixture to be used for parking, restaurant, quick service, shopping centers or sports lighting applications.

CONSTRUCTION — The heavy duty housing is constructed of cast aluminum with heat dissipating fins. The optical assemblies are sealed in place using a silicone gasket for weather tight protection. Modular LED system for ease of maintenance. ETL listed for wet locations (IP64). Additional IP66 rating available upon request. Each fixture comes standard with preps to accommodate advanced wireless control, management and reporting systems for outdoor lighting.

FINISH — A corrosion-resistant black E-Coat layer that forms a uniform and all-encompassing protective barrier is applied to the fixtures prior to electrostatically applying a super durable powder coat finish. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type II, III, IV Automotive, IV Tennis, V Medium and V Wide beam configurations. Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

ELECTRICAL SYSTEM — Available in up to a 8 brick LED system in 5000K Cool White (+/- 500K) or 4100K Neutral White color temperatures propagated with Philips Lumileds LUXEON® M LED's. Available with 100-300V 50/60 Hz Class II power supply. LED's rated for over 118,000 hours at 25°C ambient temperature. 480V and 347V input option available. 0-10V dimming. Built-in surge protection up to 10 kV on board and additional 20 kV on incoming power. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL8750 standards and is IP65 rated for wet locations.

MOUNTING — Standard mounting options include a 2" adjustable slip fitter for tenon mounting, and an adjustable yoke mount. Additional mounting options may be available for custom applications.

LISTINGS — LED Power Supply listed for wet locations (IP65). LED bricks ETL listed for wet locations (IP64). Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS Compliant.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Example: **LSMT6C8T5WH1-BZ**

LSMT

Series	# of Bricks	Color Temp	# LED's per Brick	Optics	Drive Current	Voltage	Finish
LSMT	2 2 Brick	C Cool White (5000K)	8 8 LED	T5N Type V Narrow	F 1400 mA	1 Multi-Volt ¹	BZ Bronze
	4 4 Brick	E Cool White (5000K/90CRI)		T5M Type V Medium	H 2100 mA	2 480V	BK Black
	6 6 Brick	N Neutral White (4100K)		T5W Type V Wide		3 347V	GR US Green
							WH White
							SP Special ²

Accessories (Order as separate line items)

B15	Adjustable Yoke Mount
2AF	2" Adjustable Slip Fitter
S213³	Angled Back Light Shield
PCR	Twist-Lock Photocell Receptacle
PC2	480V Twist-Lock Photocell
PC6	Multi-Tap (105-285V) Twist-Lock Photocell
IP66⁴	Additional IP66 Fixture Rating

NOTES

- 1 Multi-Volt is an auto ranging power supply from 100V to 300V input.
- 2 Custom RAL color matching is available. Contact your Techlight sale representative for additional information.
- 3 Order one per LED brick. Field installed.
- 4 Additional IP66 rating may not be changed once production has begun on the fixtures.

LSMT Scimitar High Lumen Output Flood Light

MOUNTING ACCESSORIES

B15
Adjustable Yoke Mount

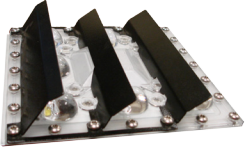


2AF
2" Adjustable Slip Fitter



ADDITIONAL FIXTURE ACCESSORIES

S213⁺
Angled Back Light Shield



PCR
Photocontrol Receptacle (Factory Installed)

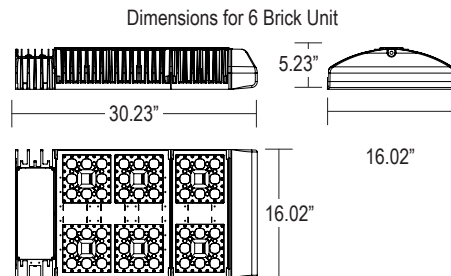
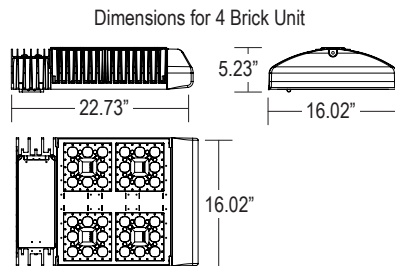


PC2
480V Twist-Lock Photocell
PC6
Multi-Tap (105-285V) Twist-Lock Photocell



ADDITIONAL FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.



NOTES

- 1 Order one per LED brick. Field installed.

LSMT Scimitar High Lumen Output Flood Light

LUMINAIRE CHARACTERISTICS

1400 mA Drive Current

# of LED Bricks	Drive Current	Color Temp	Delivered Lumens			System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE 5N	TYPE 5M	TYPE 5W			120V	208V	240V	277V
2 BRICK	1400 mA	Cool White (5000K)	14587	15620	14323	142	>198K	1.18 A	.69 A	.60 A	.52 A
4 BRICK	1400 mA	Cool White (5000K)	29284	31358	28755	283	>198K	2.36 A	1.37 A	1.18 A	1.03 A
6 BRICK	1400 mA	Cool White (5000K)	43983	47097	43186	427	>198K	3.56 A	2.06 A	1.78 A	1.55 A
2 BRICK	1400 mA	Cool White (5000K/90CRI)	12431	13311	12206	142	>198K	1.18 A	.69 A	.60 A	.52 A
4 BRICK	1400 mA	Cool White (5000K/90CRI)	24950	26723	24504	283	>198K	2.36 A	1.37 A	1.18 A	1.03 A
6 BRICK	1400 mA	Cool White (5000K/90CRI)	37481	40134	36802	427	>198K	3.56 A	2.06 A	1.78 A	1.55 A
2 BRICK	1400 mA	Neutral White (4100K)	14066	15062	13811	142	>198K	1.18 A	.69 A	.60 A	.52 A
4 BRICK	1400 mA	Neutral White (4100K)	28238	30238	27727	283	>198K	2.36 A	1.37 A	1.18 A	1.03 A
6 BRICK	1400 mA	Neutral White (4100K)	42412	45414	41643	427	>198K	3.56 A	2.06 A	1.78 A	1.55 A

2100 mA Drive Current

# of LED Bricks	Drive Current	Color Temp	Delivered Lumens			System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE 5N	TYPE 5M	TYPE 5W			120V	208V	240V	277V
2 BRICK	2100 mA	Cool White (5000K)	19109	20462	18763	213	>132K	1.76 A	1.02 A	.88 A	.77 A
4 BRICK	2100 mA	Cool White (5000K)	38363	41080	37669	426	>132K	3.55 A	2.05 A	1.78 A	1.54 A
6 BRICK	2100 mA	Cool White (5000K)	57618	61697	56574	638	>132K	5.32 A	3.07 A	2.66 A	2.31 A
2 BRICK	2100 mA	Cool White (5000K/90CRI)	16284	17437	15990	213	>132K	1.76 A	1.02 A	.88 A	.77 A
4 BRICK	2100 mA	Cool White (5000K/90CRI)	32685	35007	32100	426	>132K	3.55 A	2.05 A	1.78 A	1.54 A
6 BRICK	2100 mA	Cool White (5000K/90CRI)	49100	52576	48211	638	>132K	5.32 A	3.07 A	2.66 A	2.31 A
2 BRICK	2100 mA	Neutral White (4100K)	18426	19731	18093	213	>132K	1.76 A	1.02 A	.88 A	.77 A
4 BRICK	2100 mA	Neutral White (4100K)	36982	39612	36323	426	>132K	3.55 A	2.05 A	1.78 A	1.54 A
6 BRICK	2100 mA	Neutral White (4100K)	55559	59492	54553	638	>132K	5.32 A	3.07 A	2.66 A	2.31 A

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the luminaire may result in system failures and will void the warranty.



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