



Catalog Number	
Project	Type

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 die 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 (IP65). Additional IP66 rating available upon request. Fixture can accommodate advanced wireless control, management and reporting systems for outdoor lighting.

FINISH — A corrosion-resistant epoxy coat layer that forms a uniform and all-encompassing protective barrier is applied to the fixtures prior to electrostatically applying a super durable polyester 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 transmittance materials to achieve precise photometric distributions. Available in Type II, III, IV, IV Automotive, Automotive Frontline Wide, IV Tennis, V Narrow, V Medium and V Wide beam configurations. Optics may be ordered rotated 90 degrees for perimeter lighting or walkway applications (optics are not field rotatable). The full cutoff fixture is Star Light Friendly (meets or exceeds Dark Sky requirements) in the horizontal position.

ELECTRICAL SYSTEM — Available in up to a 6 Module LED system in 5000K-70 CRI Cool White (+/- 500K) or 4000K-70 CRI Neutral White color temperatures. Consult factory for high CRI (90+) model availability. Available with 100-300V 50/60 Hz or 347V~480V. LED's rated for over 50,000 hours at 25°C

LSMT-M SERIES

Scimitar LED Area Light



Fixture shown:
LSMT 4 Module

SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA (FT ²)
LSMT	7.09"	24.55" x 16.02"	1.3

ambient temperature. 0-10V dimming. Built-in surge protection up to 10 kV. Built-in Active PFC Function >95% Full load. LED Power Supply conforms to UL8750 standards.

MOUNTING — The fixture was designed to utilize an innovative die cast decorative arm that allows the fixture to easily mount to almost any existing bolt pattern or new pole. Additional mounting options include a quick mount with 8" straight arm (for use on fixtures with no more than 4 LED Modules). Additional mounting options may be available for custom applications.

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

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:

LSMT 6 C M T5W D 1 BZ

LSMT									
SERIES	# OF MODULES	COLOR TEMP	# LED'S PER MODULE	OPTICS	DRIVE CURRENT	VOLTAGE	OPTIONS	FINISH	OPTIONS
	1 = 1 Module 2 = 2 Module 4 = 4 Module 6 = 6 Module	C = Cool White (5000K) N = Neutral White (4000K)	M = 8 Luxeon MX LEDs	T2 = Type II T3 = Type III T4 = Type IV T4A = Type IV Auto FAW = Frontline Auto Wide T4T = Type IV Tennis T5N = Type V Narrow T5M = Type V Medium T5W = Type V Wide	D = 1050 mA	1 = Multi-Volt ¹ 2 = 347~480V	L = Left Rotated Optics R = Right Rotated Optics (Leave Blank for standard optics)	BZ = Bronze BK = Black GR = US Green WH = White SP = Special ²	PCR7 ⁵ = 7-Pin Twist-Lock Photocell Receptacle ANSI C136.41 and Receptacle Shorting Cap PC2 = 480V Twist-Lock Photocell PC6 ⁶ = Multi-Tap (105-285V) Twist-Lock Photocell IP66 = Additional IP66 Fixture Rating (IMS) TLWSFSP-211 ⁶ = Fixture Mount Passive Infrared Motion Sensor (IMS Lenses Below, Ordered Separately) TLWSFSP-L3 ⁷ = 360° lens, maximum coverage 40' diameter from 20' height (IMS) TLWSFSP-L7 ⁷ = 360° lens, maximum coverage 100' diameter from 40' height (IMS) BTEC = Integrated Bluetooth Control Module Casambi Ready Mesh Network HOEB ¹⁰ = LED Battery Pack 90 min

ACCESSORIES (Order as separate line items)

SDARM ⁸	Die Cast Decorative Arm Mount (Square Pole, 1.4 EPA)
SDARM-R ⁸	Die Cast Decorative Arm Mount (Round Pole, 1.4 EPA)
QMSCM ³	Quick Mount with 8" SSA-M Straight Arm (4 Module Max)
S213 ⁴	Angled Back Light Shield
S240 ⁹	Three Sided Visor Shield
S241 ⁹	Three Sided Full Shield
VBWM-SSA-S	Small SSA Straight Arm w/Wall Mount Adaptor (2")
VBWM-SSA-M	Medium SSA Straight Arm w/Wall Mount Adaptor (8")
VBWM-SSA	Large SSA Straight Arm w/Wall Mount Adaptor (10.75")
TLWSFSIR-100	Remote Handheld Sensor Configuration Tool for IMS

NOTES

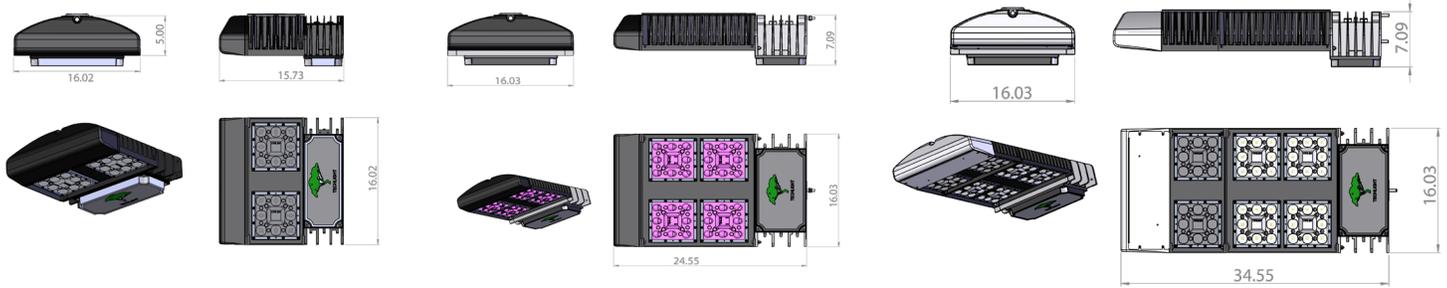
- 1 = Multi-Volt is an auto ranging power supply from 100V to 300V input.
- 2 = Custom RAL color matching is available. Contact your sales representative for additional info.
- 3 = QMSCM Quick Mount only available for fixtures with up to 4 Modules.
- 4 = Order one per LED Module. Field installed.
- 5 = Photocell Receptacle must be installed at the factory. No field installation.
- 6 = TLWSFSP-L3 and L7 Lens must be ordered along with this sensor.
- 7 = Photo control shield available upon request. Len's must be ordered with IMS option.
- 8 = EPA's shown include both the fixture and the mounting apparatus. (See last page)
- 9 = Available for 4 Module only. Field installed.
- 10 = Available for 1 and 2 Module only. Output is 4000 lumens in EMER mode w/ 700mA BBU for 90 minutes.



LSMT-M Scimitar LED Area Light

AVAILABLE FIXTURE DIMENSIONS

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



Dimensions shown for 2 Module Unit

Dimensions shown for 4 Module Unit

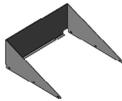
Dimensions shown for 6 Module Unit

FIXTURE & MOUNTING ACCESSORIES/OPTIONS

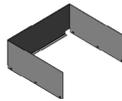
S213⁴
Angled Back Light Shield



S240⁹
Three Sided Visor Shield



S241⁹
Three Sided Full Shield



PCR7⁵
7-Pin Twist-Lock Photocell
Receptacle ANSI C136.41
and Receptacle Shorting Cap

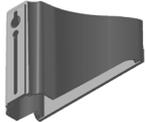


PC2
480V Twist-Lock
Photocell



PC6⁵
Multi-Tap (105-285V)
Twist-Lock Photocell

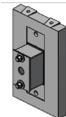
SDARM, SDARM-R
Die Cast Decorative Arm Mount



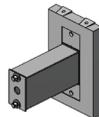
QMSCM³
Quick Mount with 8" SSA-M
Straight Arm (4 Module Max)



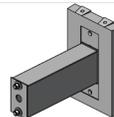
VBWM-SSA-S
Small SSA Straight Arm
Wall Mount Adaptor (2")



VBWM-SSA-M
Medium SSA Straight Arm
Wall Mount Adaptor (8")



VBWM-SSA
Large SSA Straight Arm
Wall Mount Adaptor (10.75")

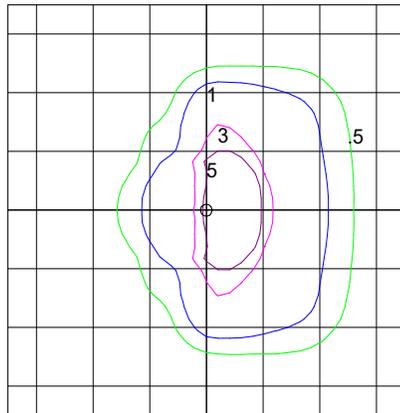


PHOTOMETRICS

IES INDOOR REPORT PHOTOMETRIC FILE NAME: LSMT2CMT3D

Type III Optical Assembly
2 Module, 1050mA, Cool
White

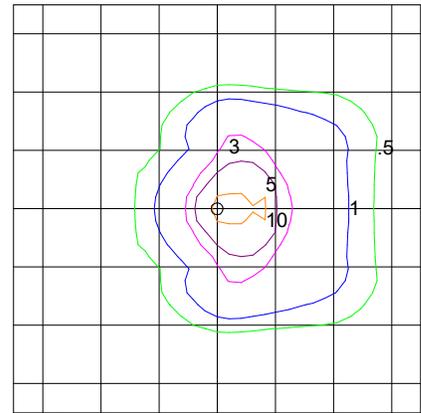
216W LSMT LED Scimitar
Color Temperature: 5,000 K



IES INDOOR REPORT PHOTOMETRIC FILE NAME: LSMT2CMT4D

Type IV Optical Assembly
2 Module, 1050mA, Cool
White

216W LSMT LED Scimitar
Color Temperature: 5,000 K



LSMT-M Scimitar LED Area Light

FIXTURE MOUNT SENSOR (IMS)

FEATURES & SPECIFICATIONS

APPLICATION — The sensor is ideal for areas such as parking facilities, gas stations, pedestrian pathways, and warehouses. A choice of four lenses ensures complete coverage for mounting heights up to 40'.

OPERATION — Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

FEATURES —

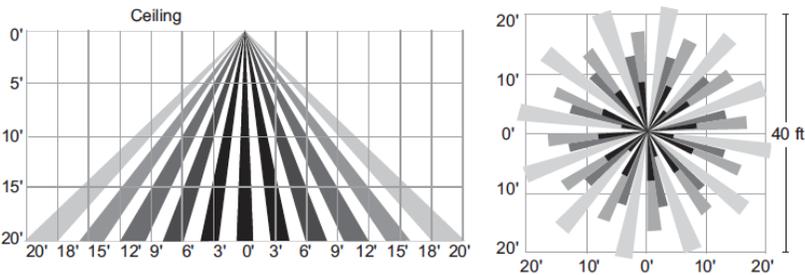
- Provides line voltage On/Off switching
- High and low modes fully adjustable from 0 to 10V
- Time delay from 5 to 30 minutes
- Optional cut off delay
- Adjustable ramp up and fade down times
- Optional daylighting setpoints feature automatic calibration, or permit manual adjustment
- Polycarbonate construction; flame retardant, UV resistant, impact resistant, recyclable
- UL244A and UL508



SENSOR LENSES FIELD OF VIEW

TLWSFSP-L3⁷

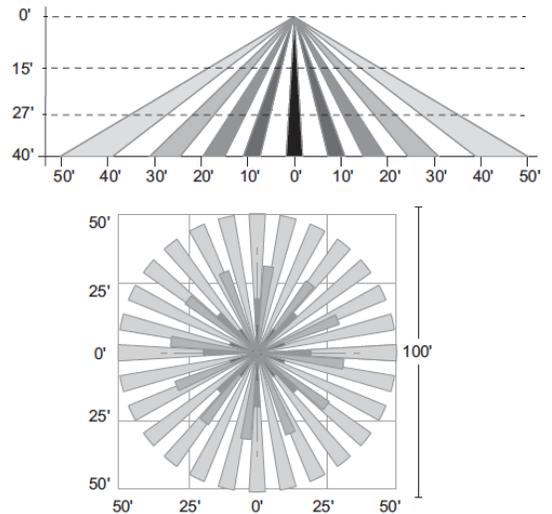
360° lens, maximum coverage 40' diameter from 20' height



⁷ = Photo control shield available upon request. Len's must be ordered with IMS option.

TLWSFSP-L7⁷

360° lens, maximum coverage 100' diameter from 40' height



LSMT-M Scimitar LED Area Light

LUMINAIRE CHARACTERISTICS

1050 mA Drive Current

# of LED Modules	Drive Current	Color Temp	Delivered Lumens									System Wattage	L70 @ 25°C	Amperage Draw			
			TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE T4T	FAW	TYPE 5N	TYPE 5M	TYPE 5W			120V	208V	240V	277V
1 Module	1050 mA	Cool White (5000K)	11310	11540	11550	11950	11410	12370	11110	11825	11880	108	>50K	0.90 A	0.52 A	0.45 A	0.39 A
2 Module			22620	23080	23100	23900	22820	24740	22220	23650	23760	216	>50K	1.80 A	1.04 A	0.90 A	0.78 A
4 Module			45240	46160	46200	47800	45640	49480	44440	47300	47520	432	>50K	3.60 A	2.08 A	1.80 A	1.56 A
6 Module			67860	69240	69300	71700	68460	74220	66660	70950	71280	648	>50K	5.40 A	3.12 A	2.70 A	2.34 A
1 Module	1050 mA	Neutral White (4000K)	10875	11096	11106	11490	10971	11894	10683	11370	11423	108	>50K	0.90 A	0.52 A	0.45 A	0.39 A
2 Module			21750	22192	22212	22981	21942	23788	21365	22740	22846	216	>50K	1.80 A	1.04 A	0.90 A	0.78 A
4 Module			43500	44385	44423	45962	43885	47577	42731	45481	45692	432	>50K	3.60 A	2.08 A	1.80 A	1.56 A
6 Module			65250	66577	66635	68942	65827	71365	64096	68221	68538	648	>50K	5.40 A	3.12 A	2.70 A	2.34 A

EPA RATINGS (ft²)

Fixture Configuration	ARM MOUNT		
	1 or 2 Module EPA's*	4 Module EPA's*	6 Module EPA's*
	SDARM	SDARM	SDARM
 1 @ 90°	1.0	1.3	1.6
 2 @ 180°	2.0	2.6	3.2
 2 @ 90°	1.9	2.4	3.0
 3 @ 90°	2.5	3.3	4.0
 4 @ 90° or 4 @ 70°	3.5	4.5	5.5

* = EPA's shown include both the fixture and the mounting apparatus.

WARNING: This fixture was designed for down aiming and must be used in a manner that prevents the fixture from tilting at an angle greater than 45 degrees. Failure to do so will void the warranty. For flood light applications please see the LSMA Scimitar LED Flood Light.



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All dimensions and specifications are subject to change without notice.

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