

Catalog Number

Project

Type

FEATURES & SPECIFICATIONS

APPLICATION — The high lumen output luminaire is designed to be a replacement for HID fixtures up to 1500W. 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, Forward Throw, 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), 4000K-70 CRI Neutral White or 3000K-70 CRI Warm 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 ambient temperature. 0-10V dimming. Built-in surge protection up to 10 kV. Built-in

LSMT-HO SERIES

Ultra-High Lumen Output Scimitar LED Area Light



Fixture Shown:
LSMT 4 Module

SERIES	HOUSING HEIGHT	LENGTH & WIDTH	EPA (FT²)
LSMT	7.09"	24.55" x 16.03"	0.93

Active PFC Function >95% Full load. LED Power Supply conforms to UL8750 standards. The LSMT HOEB optioned fixture is equipped with an IP67 rated LED Indicator/Test Button and is fully automated for required Life Safe Code diagnostic self-testing.

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 4 C 80L T5W 1 - BK BTEC

LSMT								
SERIES	MODULE UNIT (SIZE) ¹⁰	COLOR TEMP	NOMINAL LUMENS ¹⁰	OPTICS ¹⁰	VOLTAGE	OPTIC ROTATION	FINISH	FACTORY INSTALLED OPTIONS
	2 = 2 Mod Unit 4 = 4 Mod Unit 6 = 6 Mod Unit	W = Warm White (3000K) N = Neutral White (4000K) C = Cool White (5000K)	23L = 23,000 Lumens 25L = 25,000 Lumens 28L = 28,000 Lumens 30L = 30,000 Lumens 33L = 33,000 Lumens 35L = 35,000 Lumens 38L = 38,000 Lumens 40L = 40,000 Lumens 43L = 43,000 Lumens 45L = 45,000 Lumens 50L = 50,000 Lumens 55L = 55,000 Lumens 60L = 60,000 Lumens 65L = 65,000 Lumens 70L = 70,000 Lumens 75L = 75,000 Lumens 80L = 80,000 Lumens 85L = 85,000 Lumens 90L = 90,000 Lumens 95L = 95,000 Lumens 100L = 100,000 Lumens 110L = 110,000 Lumens 120L = 120,000 Lumens 130L = 130,000 Lumens 140L = 140,000 Lumens	FAW = Frontline Auto Wide FT = Forward Throw T2 = Type II T3 = Type III T4 = Type IV T4A = Type IV Auto T4T = Type IV Tennis T5M = Type V Medium T5N = Type V Narrow T5W = Type V Wide	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	PC2 = 480V Twist-Lock Photocell PC7 ⁵ = Multi-Tap (105-285V) Twist-Lock Photocell PCR7 ⁵ = 7-Pin Twist-Lock Photocell Receptacle ANSI C136.41 and Receptacle Shorting Cap DLP = Dimming Leads Pulled IP66 = Additional IP66 Fixture Rating HOEB ¹¹ = Battery Back Up, 90 minutes BTEC = Integrated Bluetooth Control Module Casambi Ready Mesh Network IMSBTM ⁶ = AC Powered Internal Network Wireless PIR & Daylight Harvesting Sensor (IMSBTM Lenses Below, Ordered as a Separate Line Item) WHBL1 = 360° PIR lens, maximum coverage 80' dia. from 40' height (IMSBTM) IMS ⁷ = Fixture Mount Passive Infrared Motion Sensor (IMS Lenses Below, Ordered as a Separate Line Item) TLWSFSP-L3 ⁸ = 360° lens, maximum coverage 40' diameter from 20' height (IMS) TLWSFSP-L7 ⁸ = 360° lens, maximum coverage 100' diameter from 40' height (IMS)

ACCESSORIES (Order as separate line items)

SDARM	Die Cast Decorative Arm Mount (Square Pole, 0.65 EPA)
SDARM-R	Die Cast Decorative Arm Mount (Round Pole, 0.65 EPA)
QMSCM³	Quick Mount with 8" SSA-M Straight Arm (4 module Max)
S213⁴	Angled Back Light Shield
S240⁵	Three Sided Visor Shield
S241⁵	Three Sided Full Shield
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")
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 = **WHBL1** Lens must be ordered along with this sensor.
- 7 = **TLWSFSP-L3** or **L7** Lens must be ordered along with this sensor.
- 8 = Photo control shield available upon request. Len's must be ordered with **IMS** option.
- 9 = Available for 4 module only. Field installed.
- 10 = Reference Lumen Chart on Pages 4 & 5 to identify which **Module Unit (size)** to choose depending on the **Nominal Lumens** and **Optic Types** chosen.
Some combinations may deviate from ordering logic shown above.
- 11 = Output on emergency module during normal operation is only 1050mA and during emergency operation, 700mA. The LSMT equipped with optional HOEB using Fulham SSD EMER will produce an estimated 3864 lumens +/- 10% for 90 minutes in Emergency Mode depending on lens type.

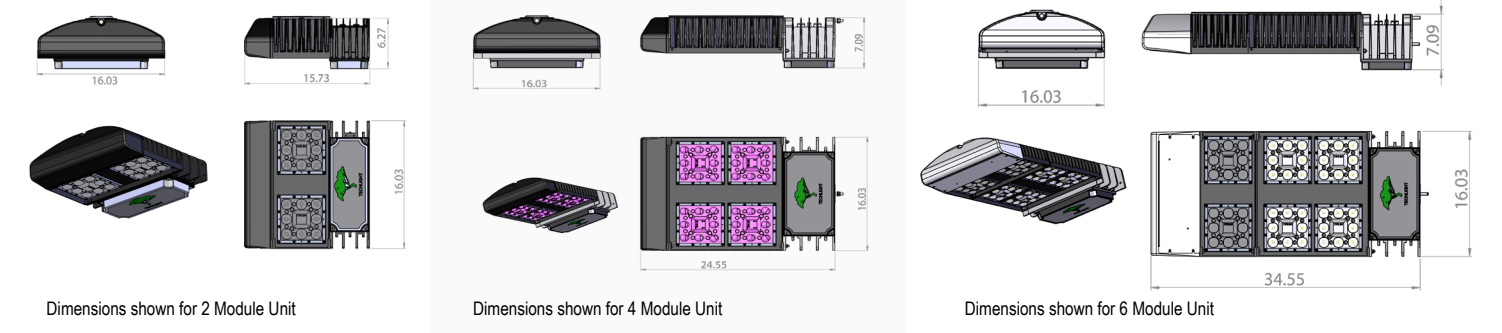


www.techlight.com

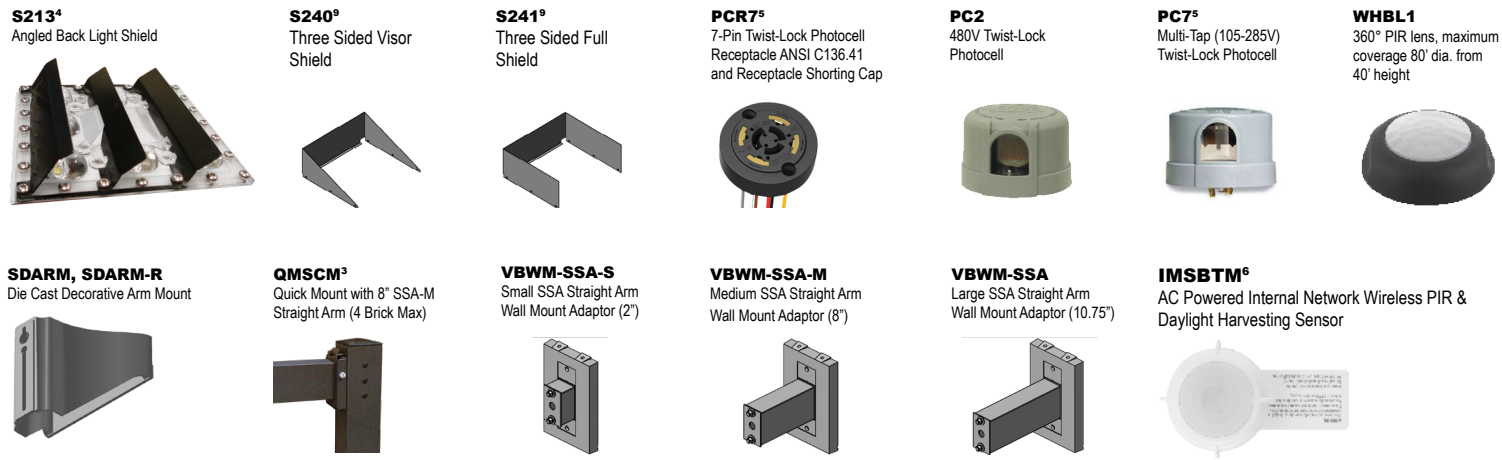
LSMT-HO Ultra-High Lumen Output Scimitar LED Area Light

AVAILABLE FIXTURE DIMENSIONS

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



FIXTURE & MOUNTING ACCESSORIES/OPTIONS



EPA RATINGS (ft²)

ARM MOUNT (EPA for SDARM is 0.65)			
Fixture Configuration	2 Module EPA's ¹¹	4 Module EPA's ¹¹	6 Module EPA's ¹¹
SDARM	SDARM	SDARM	SDARM
 1 @ 90°	1.28	1.58	1.89
 2 @ 180°	2.56	3.16	3.77
 2 @ 90°	2.48	2.78	3.09
 3 @ 90°	3.88	4.37	4.76
 4 @ 90° or 4 @ 70°	3.65	4.26	4.87

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

FIXTURE WEIGHTS (APPROX)			
Fixture Configuration	2 Module	4 Module	6 Module
Weight (lbs)	35 lbs	53 lbs	71 lbs

AMPERAGE DRAW CHART

Wattage Range	120V Amps	208V Amps	240V Amps	277V Amps	347V Amps	480V Amps
101-150W	1.3	0.7	0.6	0.5	0.4	0.3
151-200W	1.7	1	0.8	0.7	0.6	0.4
201-250W	2.1	1.2	1	0.9	0.7	0.5
251-300W	2.5	1.4	1.3	1.1	0.9	0.6
301-350W	2.9	1.7	1.5	1.3	1	0.7
351-400W	3.3	1.9	1.7	1.4	1.2	0.8
401-450W	3.8	2.2	1.9	1.6	1.3	0.9
451-500W	4.2	2.4	2.1	1.8	1.4	1
501-550W	4.6	2.6	2.3	2	1.6	1.1
551-600W	5	2.9	2.5	2.2	1.7	1.3
601-650W	5.4	3.1	2.7	2.3	1.9	1.4
651-700W	5.8	3.4	2.9	2.5	2	1.5
701-750W	6.3	3.6	3.1	2.7	2.2	1.6
751-800W	6.7	3.8	3.3	2.9	2.3	1.7
801-850W	7.1	4.1	3.5	3.1	2.4	1.8
851-900W	7.5	4.3	3.8	3.2	2.6	1.9
901-950W	7.9	4.6	4	3.4	2.7	2
951-1000W	8.3	4.8	4.2	3.6	2.9	2.1

LSMT-HO Ultra-High Lumen Output Scimitar LED Area Light

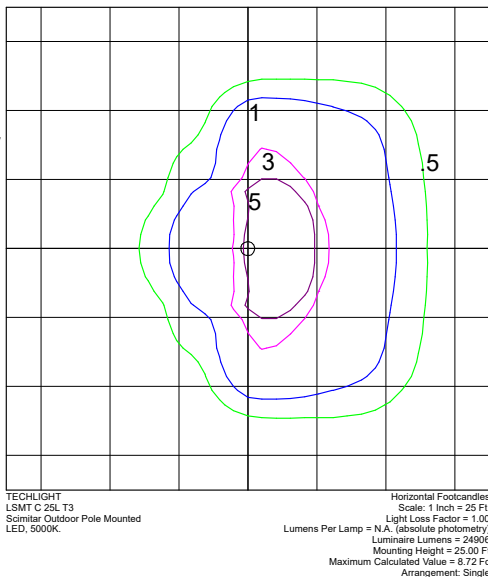
PHOTOMETRICS

Mounting Height = 25ft

**IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 2 C 25L T3**

**Type III Optical Assembly
2 Module, Cool White**

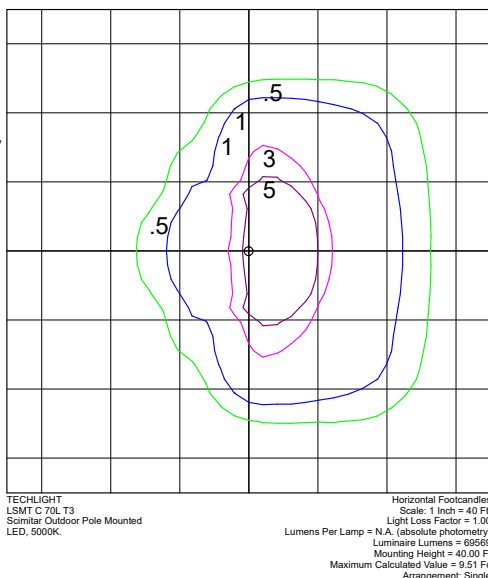
T3 Optics:



Mounting Height = 40ft

**IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 4 C 70L T3**

**Type III Optical Assembly
4 Module, Cool White**

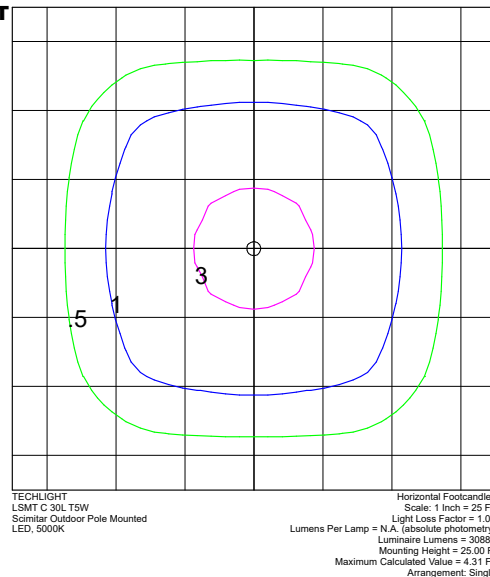


Mounting Height = 25ft

**IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 2 C 30L T5W**

**Type V Wide Optical
Assembly
2 Module, Cool White**

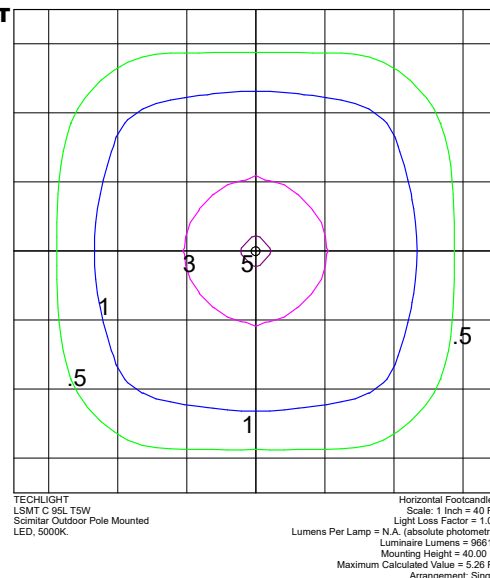
T5W Optics:



Mounting Height = 40ft

**IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 6 C 95L T5W**

**Type V Wide Optical
Assembly
6 Module, Cool White**



WARNING: The LSMT fixture was designed as a full cut off area light, and is not to be tilted up. For flood light applications, please see the LSMA Scimitar LED Flood Light.

2707 SATSUMA | DR. DALLAS, TX 75229 | PH: 800.225.0727 | FX: 214.350.0591 | www.techlight.com

All dimensions and specifications are subject to change without notice.

REV: 20240624-16



TECHLIGHT
INNOVATION IN ILLUMINATION

LSMT-HO Ultra-High Lumen Output Scimitar LED Area Light

COOL & NEUTRAL WHITE
(5000K & 4000K)

2 Module Unit - Housing Height: 6.27" Length & Width: 15.73 x 16.02
4 Module Unit - Housing Height: 7.09" Length & Width: 24.55 x 16.03
6 Module Unit - Housing Height: 7.09" Length & Width: 34.55 x 16.03

Legend Color Codes Represent the actual Module Unit Size, per Nominal Lumen/Optic Type in the Chart below.

		FAW	T2	T3	T4	T4A	T4T	T5M	T5N	T5W
2 Module Unit	23L	22,374 Lm	24,577 Lm	22,339 Lm	23,364 Lm	23,941 Lm	24,052 Lm	23,805 Lm	22,738 Lm	23,687 Lm
		148W 151 Lm/W	147W 167 Lm/W	157W 142 Lm/W	147W 159 Lm/W	147W 163 Lm/W	147W 164 Lm/W	147W 162 Lm/W	152W 150 Lm/W	147W 161 Lm/W
	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B3-U0-G2	B4-U0-G1	B5-U0-G3	B5-U0-G3	
	25L	25,126 Lm	25,337 Lm	24,907 Lm	24,806 Lm	25,420 Lm	25,537 Lm	25,275 Lm	24,769 Lm	25,149 Lm
		168W 150 Lm/W	152W 167 Lm/W	179W 139 Lm/W	157W 158 Lm/W	157W 162 Lm/W	157W 163 Lm/W	157W 161 Lm/W	168W 147 Lm/W	157W 160 Lm/W
	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B3-U0-G2	B4-U0-G1	B5-U0-G3	B5-U0-G3	
	28L	27,836 Lm	27,600 Lm	27,436 Lm	27,658 Lm	27,616 Lm	27,743 Lm	27,458 Lm	27,441 Lm	27,322 Lm
		190W 147 Lm/W	168W 164 Lm/W	200W 137 Lm/W	179W 155 Lm/W	173W 160 Lm/W	173W 160 Lm/W	173W 159 Lm/W	190W 144 Lm/W	173W 158 Lm/W
	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G1	B5-U0-G3	B5-U0-G3	
	30L	29,841 Lm	29,837 Lm	29,926 Lm	29,769 Lm	29,787 Lm	29,924 Lm	30,331 Lm	30,071 Lm	30,180 Lm
206W 145 Lm/W		184W 162 Lm/W	222W 135 Lm/W	195W 153 Lm/W	190W 157 Lm/W	190W 158 Lm/W	195W 156 Lm/W	211W 143 Lm/W	195W 155 Lm/W	
B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G1	B5-U0-G3	B5-U0-G4		
33L	32,478 Lm	32,780 Lm	32,375 Lm	32,544 Lm	32,642 Lm	32,792 Lm	32,456 Lm	32,660 Lm	32,294 Lm	
	227W 143 Lm/W	206W 159 Lm/W	244W 133 Lm/W	217W 150 Lm/W	211W 155 Lm/W	211W 155 Lm/W	211W 154 Lm/W	233W 140 Lm/W	211W 153 Lm/W	
B4-U0-G4	B3-U0-G3	B3-U0-G4	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4		
35L	35,073 Lm	34,956 Lm	35,382 Lm	35,275 Lm	35,452 Lm	34,914 Lm	35,250 Lm	35,207 Lm	35,075 Lm	
	249W 141 Lm/W	222W 158 Lm/W	271W 131 Lm/W	238W 148 Lm/W	233W 152 Lm/W	227W 154 Lm/W	233W 151 Lm/W	255W 138 Lm/W	233W 151 Lm/W	
B4-U0-G4	B4-U0-G3	B3-U0-G4	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4		
38L	37,625 Lm	37,818 Lm	37,743 Lm	37,962 Lm	37,530 Lm	37,703 Lm	37,316 Lm	37,713 Lm	37,810 Lm	
	271W 139 Lm/W	244W 155 Lm/W	293W 129 Lm/W	260W 146 Lm/W	249W 151 Lm/W	249W 151 Lm/W	249W 150 Lm/W	277W 136 Lm/W	255W 148 Lm/W	
B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4		
40L	40,135 Lm	39,933 Lm	40,064 Lm	39,949 Lm	40,261 Lm	39,765 Lm	40,031 Lm	40,178 Lm	39,833 Lm	
	293W 137 Lm/W	260W 154 Lm/W	316W 127 Lm/W	277W 144 Lm/W	271W 149 Lm/W	266W 150 Lm/W	271W 148 Lm/W	299W 134 Lm/W	271W 147 Lm/W	
B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4		
43L	42,604 Lm	42,714 Lm	43,381 Lm	42,560 Lm	42,947 Lm	42,475 Lm	42,702 Lm	42,600 Lm	42,490 Lm	
	316W 135 Lm/W	282W 152 Lm/W	304W 143 Lm/W	299W 142 Lm/W	293W 147 Lm/W	288W 148 Lm/W	293W 146 Lm/W	321W 133 Lm/W	293W 145 Lm/W	
B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4		
45L	44,748 Lm	45,449 Lm	45,970 Lm	45,126 Lm	44,932 Lm	45,139 Lm	45,329 Lm	45,477 Lm	45,104 Lm	
	296W 151 Lm/W	304W 150 Lm/W	326W 141 Lm/W	321W 141 Lm/W	310W 145 Lm/W	310W 146 Lm/W	316W 143 Lm/W	304W 150 Lm/W	316W 143 Lm/W	
B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G4		
50L	50,252 Lm	50,674 Lm	49,815 Lm	49,612 Lm	50,839 Lm	49,591 Lm	50,549 Lm	49,539 Lm	50,298 Lm	
	336W 150 Lm/W	304W 167 Lm/W	358W 139 Lm/W	315W 158 Lm/W	315W 161 Lm/W	304W 163 Lm/W	315W 161 Lm/W	336W 147 Lm/W	315W 160 Lm/W	
B4-U0-G5	B4-U0-G4	B4-U0-G5	B4-U0-G4	B5-U0-G4	B4-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5		
55L	55,673 Lm	55,200 Lm	54,873 Lm	55,317 Lm	55,231 Lm	55,486 Lm	54,916 Lm	54,882 Lm	54,644 Lm	
	380W 147 Lm/W	336W 164 Lm/W	401W 137 Lm/W	358W 155 Lm/W	347W 159 Lm/W	347W 160 Lm/W	347W 158 Lm/W	380W 144 Lm/W	347W 158 Lm/W	
B5-U0-G5	B4-U0-G4	B4-U0-G5	B4-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5		
60L	59,683 Lm	59,674 Lm	59,851 Lm	59,537 Lm	59,573 Lm	59,848 Lm	60,661 Lm	60,143 Lm	60,360 Lm	
	412W 145 Lm/W	369W 162 Lm/W	444W 135 Lm/W	390W 153 Lm/W	380W 157 Lm/W	380W 158 Lm/W	390W 156 Lm/W	423W 142 Lm/W	390W 155 Lm/W	
B5-U0-G5	B5-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5		
65L	64,956 Lm	65,559 Lm	64,751 Lm	65,088 Lm	65,283 Lm	65,584 Lm	64,911 Lm	65,320 Lm	64,589 Lm	
	455W 143 Lm/W	412W 159 Lm/W	488W 133 Lm/W	434W 150 Lm/W	423W 154 Lm/W	423W 155 Lm/W	423W 154 Lm/W	466W 140 Lm/W	423W 153 Lm/W	
B5-U0-G5	B5-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G5	B5-U0-G5		
70L	70,145 Lm	69,912 Lm	69,571 Lm	70,550 Lm	69,507 Lm	69,827 Lm	70,499 Lm	70,415 Lm	70,149 Lm	
	499W 141 Lm/W	444W 158 Lm/W	532W 131 Lm/W	477W 148 Lm/W	455W 153 Lm/W	455W 154 Lm/W	466W 151 Lm/W	510W 138 Lm/W	466W 151 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G2	B5-U0-G5	B5-U0-G5		
75L	75,250 Lm	75,635 Lm	75,485 Lm	74,589 Lm	75,060 Lm	75,405 Lm	74,631 Lm	75,426 Lm	75,620 Lm	
	543W 139 Lm/W	488W 155 Lm/W	587W 129 Lm/W	510W 146 Lm/W	499W 150 Lm/W	499W 151 Lm/W	499W 150 Lm/W	554W 136 Lm/W	510W 148 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
80L	80,271 Lm	79,867 Lm	80,127 Lm	79,898 Lm	80,522 Lm	79,530 Lm	80,063 Lm	80,355 Lm	79,665 Lm	
	587W 137 Lm/W	521W 153 Lm/W	632W 127 Lm/W	554W 144 Lm/W	543W 148 Lm/W	532W 150 Lm/W	543W 147 Lm/W	598W 134 Lm/W	543W 147 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
85L	85,207 Lm	85,428 Lm	84,187 Lm	85,119 Lm	84,560 Lm	84,949 Lm	85,405 Lm	85,201 Lm	84,981 Lm	
	632W 135 Lm/W	565W 151 Lm/W	618W 136 Lm/W	598W 142 Lm/W	576W 147 Lm/W	576W 148 Lm/W	587W 146 Lm/W	643W 133 Lm/W	587W 145 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
90L	89,524 Lm	89,539 Lm	89,777 Lm	90,252 Lm	89,865 Lm	90,279 Lm	89,352 Lm	90,214 Lm	90,207 Lm	
	618W 145 Lm/W	598W 150 Lm/W	667W 135 Lm/W	643W 140 Lm/W	620W 145 Lm/W	620W 146 Lm/W	620W 144 Lm/W	634W 142 Lm/W	632W 143 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
95L	95,468 Lm	94,938 Lm	95,300 Lm	95,562 Lm	95,796 Lm	94,091 Lm	95,250 Lm	94,113 Lm	94,777 Lm	
	667W 143 Lm/W	643W 148 Lm/W	715W 133 Lm/W	634W 151 Lm/W	618W 155 Lm/W	601W 157 Lm/W	618W 154 Lm/W	667W 141 Lm/W	618W 153 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
100L	99,392 Lm	100,524 Lm	100,756 Lm	99,692 Lm	100,045 Lm	100,506 Lm	99,475 Lm	99,902 Lm	98,981 Lm	
	699W 142 Lm/W	634W 159 Lm/W	765W 132 Lm/W	667W 150 Lm/W	651W 154 Lm/W	651W 154 Lm/W	651W 153 Lm/W	715W 140 Lm/W	651W 152 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
110L	110,972 Lm	109,178 Lm	109,701 Lm	109,873 Lm	110,520 Lm	111,029 Lm	109,889 Lm	109,397 Lm	109,344 Lm	
	798W 139 Lm/W	699W 156 Lm/W	847W 130 Lm/W	748W 147 Lm/W	732W 151 Lm/W	732W 152 Lm/W	732W 150 Lm/W	798W 137 Lm/W	732W 149 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
120L	120,406 Lm	119,800 Lm	120,191 Lm	119,847 Lm	120,783 Lm	119,294 Lm	120,094 Lm	120,533 Lm	119,498 Lm	
	881W 137 Lm/W	781W 153 Lm/W	948W 127 Lm/W	831W 144 Lm/W	814W 148 Lm/W	798W 150 Lm/W	814W 148 Lm/W	897W 134 Lm/W	814W 147 Lm/W	
B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
130L	129,642 Lm	130,206 Lm	N/A	129,616 Lm	130,835 Lm	129,435 Lm	130,089 Lm	127,801 Lm	129,444 Lm	
	964W 135 Lm/W	864W 151 Lm/W		914W 141 Lm/W	897W 146 Lm/W	881W 147 Lm/W	897W 145 Lm/W	964W 133 Lm/W	897W 144 Lm/W	
B5-U0-G5	B5-U0-G5		B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5		
140L	N/A	140,395 Lm	N/A	N/A	N/A	139,364 Lm	137,934 Lm	N/A	137,250 Lm	
		948W 148 Lm/W				964W 145 Lm/W	964W 143 Lm/W		964W 142 Lm/W	
		B5-U0-G5				B5-U0-G5	B5-U0-G3		B5-U0-G5	

LSMT-HO

Ultra-High Lumen Output Scimitar LED Area Light

WARM WHITE (3000K)

2 Module Unit - Housing Height: 6.27" Length & Width: 15.73 x 16.02
4 Module Unit - Housing Height: 7.09" Length & Width: 24.55 x 16.03
6 Module Unit - Housing Height: 7.09" Length & Width: 34.55 x 16.03

Legend Color Codes Represent the actual Module Unit Size, per Nominal Lumen/Optic Type in the Chart below.

		FAW	T2	T3	T4	T4A	T4T	T5M	T5N	T5W
2 Module Unit	23L	22,518 Lm	23,297 Lm	23,005 Lm	22,832 Lm	22,694 Lm	22,799 Lm	22,565 Lm	22,840 Lm	22,453 Lm
		157W 143 Lm/W	147W 159 Lm/W	173W 133 Lm/W	152W 150 Lm/W	147W 154 Lm/W	147W 155 Lm/W	147W 154 Lm/W	163W 140 Lm/W	147W 153 Lm/W
		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B3-U0-G2	B4-U0-G1	B5-U0-G3	B5-U0-G3
	25L	25,107 Lm	25,450 Lm	24,813 Lm	24,871 Lm	24,792 Lm	24,906 Lm	25,341 Lm	25,382 Lm	25,215 Lm
		179W 140 Lm/W	163W 156 Lm/W	190W 131 Lm/W	168W 148 Lm/W	163W 152 Lm/W	163W 153 Lm/W	168W 151 Lm/W	184W 138 Lm/W	168W 150 Lm/W
		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B3-U0-G2	B4-U0-G1	B5-U0-G3	B5-U0-G3
	28L	27,656 Lm	27,579 Lm	27,781 Lm	27,554 Lm	27,552 Lm	27,679 Lm	27,395 Lm	27,886 Lm	27,935 Lm
		200W 138 Lm/W	179W 154 Lm/W	217W 128 Lm/W	190W 145 Lm/W	184W 150 Lm/W	184W 150 Lm/W	184W 149 Lm/W	206W 135 Lm/W	190W 147 Lm/W
		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G1	B5-U0-G3	B5-U0-G3
	30L	30,165 Lm	30,379 Lm	30,112 Lm	30,195 Lm	30,269 Lm	29,730 Lm	30,096 Lm	29,737 Lm	29,947 Lm
222W 136 Lm/W		200W 152 Lm/W	238W 127 Lm/W	211W 143 Lm/W	206W 147 Lm/W	200W 149 Lm/W	206W 146 Lm/W	222W 134 Lm/W	206W 145 Lm/W	
B3-U0-G3		B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G1	B5-U0-G3	B5-U0-G4	
33L	32,635 Lm	32,451 Lm	32,406 Lm	32,795 Lm	32,943 Lm	32,428 Lm	32,756 Lm	32,774 Lm	32,593 Lm	
	244W 134 Lm/W	217W 150 Lm/W	260W 125 Lm/W	233W 141 Lm/W	227W 145 Lm/W	222W 146 Lm/W	227W 144 Lm/W	249W 132 Lm/W	227W 144 Lm/W	
	B4-U0-G4	B3-U0-G3	B3-U0-G4	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4	
35L	35,064 Lm	35,174 Lm	35,221 Lm	35,352 Lm	34,921 Lm	35,082 Lm	34,722 Lm	35,159 Lm	35,197 Lm	
	266W 132 Lm/W	238W 148 Lm/W	288W 122 Lm/W	255W 139 Lm/W	244W 143 Lm/W	244W 144 Lm/W	244W 142 Lm/W	271W 130 Lm/W	249W 141 Lm/W	
	B4-U0-G4	B4-U0-G3	B3-U0-G4	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4	
38L	37,454 Lm	37,854 Lm	37,431 Lm	37,869 Lm	37,521 Lm	37,694 Lm	37,307 Lm	37,505 Lm	37,758 Lm	
	288W 130 Lm/W	260W 146 Lm/W	310W 121 Lm/W	277W 137 Lm/W	266W 141 Lm/W	266W 142 Lm/W	266W 140 Lm/W	293W 128 Lm/W	271W 139 Lm/W	
	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4	
40L	39,804 Lm	39,835 Lm	39,888 Lm	40,343 Lm	40,078 Lm	39,624 Lm	39,849 Lm	39,811 Lm	40,277 Lm	
	310W 128 Lm/W	277W 144 Lm/W	294W 136 Lm/W	299W 135 Lm/W	288W 139 Lm/W	282W 141 Lm/W	288W 138 Lm/W	316W 126 Lm/W	293W 138 Lm/W	
	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4	
43L	42,417 Lm	42,438 Lm	42,351 Lm	42,776 Lm	43,214 Lm	42,788 Lm	42,349 Lm	43,108 Lm	42,754 Lm	
	294W 144 Lm/W	299W 142 Lm/W	315W 134 Lm/W	321W 133 Lm/W	316W 137 Lm/W	310W 138 Lm/W	310W 137 Lm/W	304W 142 Lm/W	316W 135 Lm/W	
	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G3	B5-U0-G4	
45L	45,036 Lm	44,997 Lm	44,795 Lm	45,664 Lm	45,389 Lm	45,598 Lm	45,130 Lm	45,680 Lm	44,906 Lm	
	315W 143 Lm/W	321W 140 Lm/W	336W 133 Lm/W	304W 150 Lm/W	294W 154 Lm/W	294W 155 Lm/W	294W 154 Lm/W	326W 140 Lm/W	294W 153 Lm/W	
	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G3	B4-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G4	
50L	50,214 Lm	50,901 Lm	49,627 Lm	49,743 Lm	49,585 Lm	49,813 Lm	50,682 Lm	49,501 Lm	50,430 Lm	
	358W 140 Lm/W	326W 156 Lm/W	380W 131 Lm/W	336W 148 Lm/W	326W 152 Lm/W	326W 153 Lm/W	336W 151 Lm/W	358W 138 Lm/W	336W 150 Lm/W	
	B4-U0-G5	B4-U0-G4	B4-U0-G5	B4-U0-G4	B5-U0-G4	B4-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5	
55L	55,312 Lm	55,158 Lm	55,561 Lm	55,108 Lm	55,104 Lm	55,358 Lm	54,790 Lm	54,527 Lm	54,518 Lm	
	401W 138 Lm/W	358W 154 Lm/W	434W 128 Lm/W	380W 145 Lm/W	369W 149 Lm/W	369W 150 Lm/W	369W 149 Lm/W	401W 136 Lm/W	369W 148 Lm/W	
	B5-U0-G5	B4-U0-G4	B4-U0-G5	B4-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5	
60L	60,331 Lm	59,367 Lm	60,224 Lm	60,390 Lm	60,538 Lm	59,460 Lm	60,193 Lm	59,474 Lm	59,894 Lm	
	444W 136 Lm/W	390W 152 Lm/W	477W 126 Lm/W	423W 143 Lm/W	412W 147 Lm/W	401W 148 Lm/W	412W 146 Lm/W	444W 134 Lm/W	412W 145 Lm/W	
	B5-U0-G5	B5-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G4	B5-U0-G5	
65L	65,270 Lm	64,901 Lm	64,812 Lm	65,589 Lm	64,558 Lm	64,855 Lm	65,511 Lm	65,548 Lm	65,186 Lm	
	488W 134 Lm/W	434W 150 Lm/W	521W 124 Lm/W	466W 141 Lm/W	444W 145 Lm/W	444W 146 Lm/W	455W 144 Lm/W	499W 131 Lm/W	455W 143 Lm/W	
	B5-U0-G5	B5-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G2	B5-U0-G5	B5-U0-G5	
70L	70,129 Lm	70,348 Lm	70,442 Lm	69,434 Lm	69,843 Lm	70,164 Lm	69,444 Lm	70,318 Lm	70,393 Lm	
	532W 132 Lm/W	477W 148 Lm/W	576W 122 Lm/W	499W 139 Lm/W	488W 143 Lm/W	488W 144 Lm/W	488W 142 Lm/W	543W 130 Lm/W	499W 141 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G2	B5-U0-G5	B5-U0-G5	
75L	74,908 Lm	75,707 Lm	74,861 Lm	75,737 Lm	75,042 Lm	75,388 Lm	74,614 Lm	75,010 Lm	75,516 Lm	
	576W 130 Lm/W	521W 145 Lm/W	620W 121 Lm/W	554W 137 Lm/W	532W 141 Lm/W	532W 142 Lm/W	532W 140 Lm/W	587W 128 Lm/W	543W 139 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
80L	79,607 Lm	79,669 Lm	79,802 Lm	79,457 Lm	80,156 Lm	80,525 Lm	79,699 Lm	79,623 Lm	80,555 Lm	
	620W 128 Lm/W	554W 144 Lm/W	618W 129 Lm/W	587W 135 Lm/W	576W 139 Lm/W	576W 140 Lm/W	576W 138 Lm/W	632W 126 Lm/W	587W 137 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
85L	84,862 Lm	84,875 Lm	85,101 Lm	85,552 Lm	85,185 Lm	85,577 Lm	84,699 Lm	85,516 Lm	85,509 Lm	
	618W 137 Lm/W	598W 142 Lm/W	667W 128 Lm/W	643W 133 Lm/W	620W 137 Lm/W	620W 138 Lm/W	620W 137 Lm/W	634W 135 Lm/W	632W 135 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
90L	90,496 Lm	89,994 Lm	90,336 Lm	90,585 Lm	90,807 Lm	89,190 Lm	90,289 Lm	89,211 Lm	89,841 Lm	
	667W 136 Lm/W	643W 140 Lm/W	715W 126 Lm/W	634W 143 Lm/W	618W 147 Lm/W	601W 148 Lm/W	618W 146 Lm/W	667W 134 Lm/W	618W 145 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
95L	94,215 Lm	95,289 Lm	95,509 Lm	94,500 Lm	94,835 Lm	95,272 Lm	94,294 Lm	94,699 Lm	95,806 Lm	
	699W 135 Lm/W	634W 150 Lm/W	765W 125 Lm/W	667W 142 Lm/W	651W 146 Lm/W	651W 146 Lm/W	651W 145 Lm/W	715W 132 Lm/W	667W 144 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
100L	99,738 Lm	99,407 Lm	100,617 Lm	100,314 Lm	100,816 Lm	99,286 Lm	100,241 Lm	100,121 Lm	99,744 Lm	
	748W 133 Lm/W	667W 149 Lm/W	814W 124 Lm/W	715W 140 Lm/W	699W 144 Lm/W	683W 145 Lm/W	699W 143 Lm/W	765W 131 Lm/W	699W 143 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
110L	110,581 Lm	109,558 Lm	110,645 Lm	109,847 Lm	110,625 Lm	109,180 Lm	109,994 Lm	110,766 Lm	109,448 Lm	
	847W 131 Lm/W	748W 147 Lm/W	914W 121 Lm/W	798W 138 Lm/W	781W 142 Lm/W	765W 143 Lm/W	781W 141 Lm/W	864W 128 Lm/W	781W 140 Lm/W	
	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
120L	121,154 Lm	119,504 Lm	N/A	119,185 Lm	120,234 Lm	120,788 Lm	119,548 Lm	119,434 Lm	120,832 Lm	
	948W 128 Lm/W	831W 144 Lm/W		881W 135 Lm/W	864W 139 Lm/W	864W 140 Lm/W	864W 138 Lm/W	948W 126 Lm/W	881W 137 Lm/W	
	B5-U0-G5	B5-U0-G5		B5-U0-G5	B5-U0-G5	B5-U0-G4	B5-U0-G3	B5-U0-G5	B5-U0-G5	
130L	N/A	N/A	N/A	N/A	129,643 Lm	130,240 Lm	130,750 Lm	N/A	130,101 Lm	
					948W 137 Lm/W	948W 137 Lm/W	964W 136 Lm/W		964W 135 Lm/W	
					B5-U0-G5	B5-U0-G4	B5-U0-G3		B5-U0-G5	
140L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

LSMT-HO Ultra-High Lumen Output 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

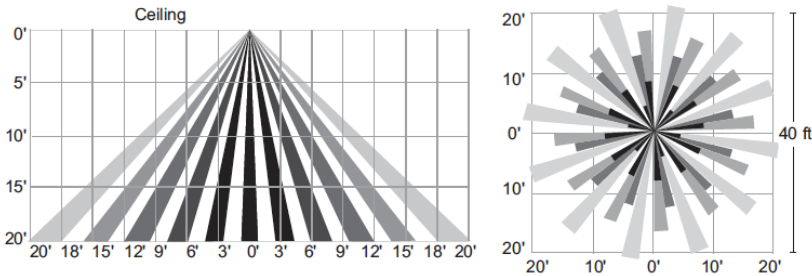
TLWSFSIR-100 Remote Handheld Sensor Configuration Tool



SENSOR LENSES FIELD OF VIEW

TLWSFSP-L3⁸

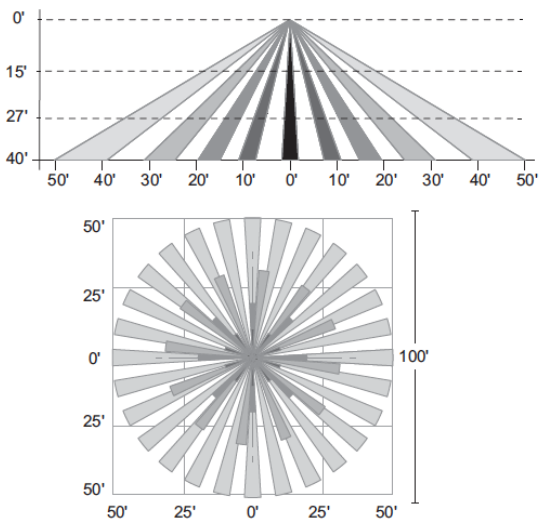
360° lens, maximum coverage 40' diameter from 20' height



⁸ = Black lens cover and Photo control shield available upon request.
Len's must be ordered with IMS option.

TLWSFSP-L7⁸

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



LSMT-HO Ultra-High Lumen Output Scimitar LED Area Light

Integral Motion Sensor Blue Tooth Module (IMSBTM)

APPLICATION — The IMSBTM is an AC-powered, Integral Motion Sensor Blue Tooth Module, that is highly versatile for various indoor and outdoor lighting fixtures. It provides **360° coverage**, making it optimal for open spaces and aiseways. This sensor is particularly suitable for environments such as parking lots, fuel stations, walkways, and storage facilities. The WHBL1 lens is crafted for fixtures at mounting heights ranging from **20 to 40 feet**, ensuring a coverage span of up to **80 feet in diameter** at the maximum height of **40 feet**. These lenses are designed with multiple cells and tiers, creating a dense pattern of coverage.

- Analog Sensor Built-in
- Replaceable lens options
- 120-277V Line Voltage input
- Daylight harvesting available

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.

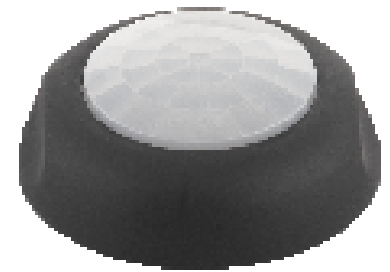
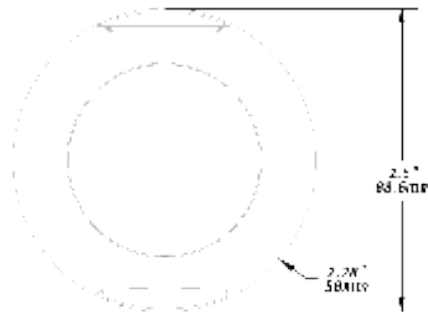
ADDITIONAL FEATURES

- **Wireless Control System:** Bluetooth® Low Energy Mesh 4.2 & 5.0 protocols. Enables individual or group control of luminaires.
- **Mobile App Operation:** Intuitive interface for easy management.
- **Flexible Commissioning:** Components commissioned via the Mobile App. No need for a gateway during commissioning.
- **Sensor Integration:** Works seamlessly with various sensors. Enhances energy efficiency and responsive lighting.
- **Mesh Network Range:** Wireless communication up to 100 feet or more between devices. Ideal for diverse spatial configurations.
- **Internet Independence:** Commissioning and operation without internet access. Ensures functionality in various environments.
- **Security Measures:** Data encryption for mesh network security. Device access restricted without encrypted QR codes.
- **UL 1376 Verification:** LiteTrace, the manufacturer, has UL 1376 verification. Ensures adherence to stringent security standards.
- **In-House R&D Capabilities:** Full-stack, in-house R&D for networked sensors and controllers. Reflects a high level of control and innovation.
- **Industry Recognition:** One of the first systems listed to DLC's Networked Lighting Controls (NLC5). Compliance with industry standards and specifications.

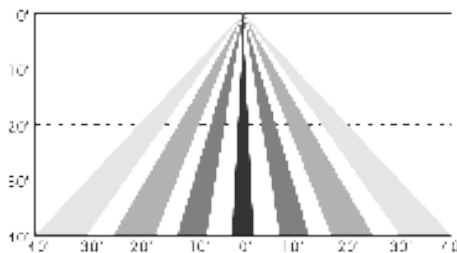


SENSOR LENS FIELD OF VIEW AND DIMENSIONS

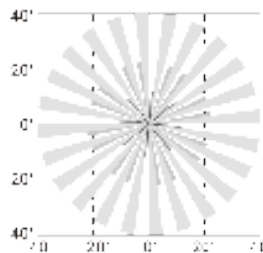
WHBL1



Coverage Side View

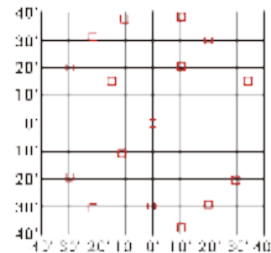


Coverage Top View



Height 40ft

Detecting Spots For Ref



Network Lighting Control App Instruction Manual

located on the Techlight Website -> Resources Page.
Location shown below, **or** scan the QR code to the right.
<https://techlight.com/pdf/IMSBTM%20Manual.pdf>

