SCIMITAR *FLOOD* SERIES

Ultra High Lumen Output Scimitar LED Flood Light

CENTER COURT LIGHTING

4 Module LSMA BK

2 Module Unit | Approx. Weight- 37 lbs.
4 Module Unit | Approx. Weight- 55 lbs.

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 accomodate 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. 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 4 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 277V~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 Active PFC Function >95% Full load. LED Power Supply conforms to UL8750 standards.

MOUNTING Standard mounting option is a (2AF) 2" Adjustable Slip Fitter. Additional mounting options, including a (B15) Trunnion Mount are 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

EXAMPLE: LSMA-4-C-85L-T4-1-BK-BTEC

LSMA	4	C	85L	T4	1	BK	BTEC
SERIES	MODULE UNIT (SIZE)[3]	COLOR TEMP	NOMINAL LUMENS[3]	OPTICS[3]	VOLTAGE	FINISH	OPTIONS
	2 2 Mod Unit **4** 4 Mod Unit	**N** Neutral White (4000K) **C** Cool White (5000K)	2 MODULE UNIT[9]: **25L** 25,000 Lumens **30L** 30,000 Lumens **35L** 35,000 Lumens **40L** 40,000 Lumens **45L** 45,000 Lumens 4 MODULE UNIT[9]: **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	**NSP** Narrow Spot **T5N** Type V Narrow **T5M** Type V Medium **T5W** Type V Wide **T4** Type IV **T4T** Type IV Tennis **FT** Forward Throw	**1** Multi-Volt[1] **3** 277~480V	**BK** Black **BZ** Bronze **GR** US Green **WH** White **SP** Special[2]	**IP66** Additional IP66 Fixture Rating **B15**[5] Trunnion Mount **PC2** 480V Twist-Lock Photocell **PC6**[4] Multi-Tap (105-285V) Twist-Lock Photocell **PCR7**[4] 7-Pin Twist-Lock Photocell Receptacle ANSI C136.41 and Receptacle Shorting Cap **BTEC** Integrated Bluetooth Control Module Casambi Ready Mesh Network **IMS**[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 coverage100' diameter from 40' height (**IMS**)

ACCESSORIES (Order as separate line items)

- **SLSMA**[8] Front Light Shield
- **S213**[3] Angeled Black Light Shield
- **S237**[8] Horizontal Shield
- **S238**[8] Vertical Shield
- **S240**[8] Three Sided Visor Shield
- **S241**[8] Three Sided Full Shield
- **S242**[8] Four Sided Shield

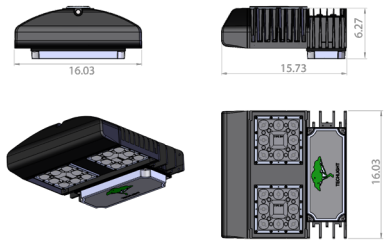
NOTES

[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] = Order one per LED brick. Field installed.
[4] = Photocell Receptacle must be installed at the factory. No field installation.
[5] = Ordering this option will replace the standard (2AF) 2" Adjustable Slip Fitter.
[6] = TLWSFSP-L3 or L7 Lens must be ordered along with this sensor. (see pg. 4)
[7] = Photo control shield available upon request. Len's must be ordered with IMS option. (see pg. 4)
[8] = Available for 4 module only. Field installed.
[9] = Reference Lumen Chart on Pages 2 to identify which **Module Unit (size)** to choose depending on the Nominal Lumens and Optic Types chosen. For Optics: NSP, T5M, & T5N -> reference the lumen and photometric chart via this link. Some combinations may deviate from ordering logic within the ordering chart on this page.

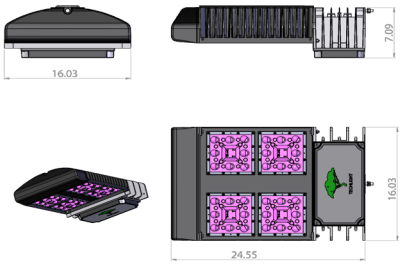
AVAILABLE FIXTURE DIMENSIONS

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

2 Module Unit



4 Module Unit



FIXTURE WEIGHTS (APPROX)		
Fixture Configuration	2 Module	4 Module
Weight (lbs)	37 lbs	55 lbs

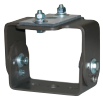
PROUDLY BUILT BY AMERICANS For Americans IN THE USA
Techlight supports American families making quality products everyday.

SCIMITAR *FLOOD* SERIES

FIXTURE ACCESSORIES

2AF (Standard)
2-3/8" ID Adjustable Slip Fitter

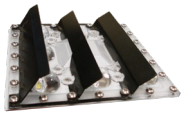
B15[5] (Option)
Trunnion Mount



PC2
480V Twist-Lock

PC7[4]
Multi-Tap (105-285V) Twist-Lock Photocell

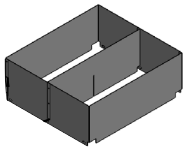
S213[3]
Angled Back Light Shield



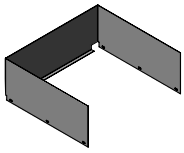
PCR7[4]
7-Pin Twist-Lock Photocell Receptacle
ANSI C136.41 and Receptacle Shorting Cap

SHIELD ACCESSORIES

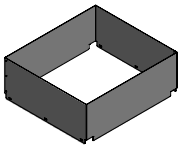
S237[8]
Horizontal Shield for 4 brick



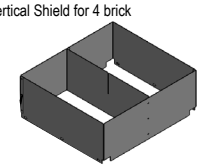
S241[8]
3 Sided Full Shield for 4 brick



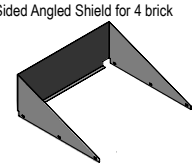
S242[8]
Four Sided Shield for 4 brick



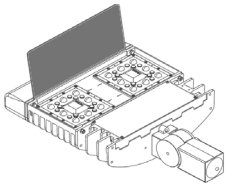
S238[8]
Vertical Shield for 4 brick



S240[8]
3 Sided Angled Shield for 4 brick



SLSMA[8]
Front Light Shield



LUMINAIRE CHARACTERISTICS (5000K & 4000K - CCT)

For Optics: NSP, T5M, & T5N -> reference the lumen chart via this link.

2 Module Unit Data

Nominal Lumens	T5W Delivered Lumens	T5W Lumens/ Watt	FT Delivered Lumens	FT Lumens/ Watt	System Watts	Amperage Draw 120V	208V	277V	347V	480V
20L	-	-	20,308	160	127	1.06	0.61	0.46	0.37	0.26
	20,687	151	-	-	137	1.14	0.66	0.49	0.39	0.29
25L	-	-	25,120	157	160	1.33	0.77	0.58	0.46	0.33
	25,842	146	-	-	177	1.48	0.85	0.64	0.51	0.37
30L	-	-	29,682	153	194	1.62	0.93	0.70	0.56	0.40
	30,810	142	-	-	217	1.81	1.04	0.78	0.63	0.45
35L	-	-	34,800	150	232	1.93	1.12	0.84	0.67	0.48
	35,880	138	-	-	260	2.17	1.25	0.94	0.75	0.54
40L	-	-	39,690	147	270	2.25	1.30	0.97	0.78	0.56
	39,368	133	-	-	295	2.46	1.42	1.06	0.85	0.61
45L	-	-	42,216	144	295	2.46	1.42	1.06	0.85	0.61

4 Module Unit Data

Nominal Lumens	T5W		FT		System Watts	Amperage Draw				
45L	46,470	157	-	-	295	2.46	1.42	1.06	0.85	0.61
50L	-	-	48,999	165	295	2.46	1.42	1.06	0.85	0.61
	49,135	155	-	-	317	2.64	1.52	1.14	0.91	0.66
55L	-	-	54,605	163	335	2.79	1.61	1.21	0.97	0.70
	54,621	153	-	-	357	2.98	1.72	1.29	1.03	0.74
60L	-	-	59,466	159	374	3.12	1.80	1.35	1.08	0.78
	59,947	151	-	-	397	3.31	1.91	1.43	1.14	0.83
65L	-	-	65,100	155	420	3.50	2.02	1.52	1.21	0.88
	65,113	149	-	-	437	3.64	2.10	1.58	1.26	0.91
70L	-	-	70,224	152	462	3.85	2.22	1.67	1.33	0.96
	70,119	147	-	-	477	3.98	2.29	1.72	1.37	0.99
75L	-	-	74,500	149	500	4.17	2.40	1.81	1.44	1.04
	74,965	145	-	-	517	4.31	2.49	1.87	1.49	1.08
80L	-	-	80,008	146	548	4.57	2.63	1.98	1.58	1.14
	79,651	143	-	-	557	4.64	2.68	2.01	1.61	1.16
85L	84,490	141	85,085	143	595	4.96	2.86	2.15	1.71	1.24
90L	90,400	152	91,850	155	595	2.64	1.52	1.14	0.91	0.66

EPA RATINGS (ft²)

LSMA 2 (Two Module) EPA's shown below include both the fixture and the mounting apparatus.

	DESCRIPTION	0°	20°	30°	45°	60°	70°	90°
TVA4/TVA5	Single Vertical Tenon	0.7	1.0	1.3	1.5	1.7	1.8	2.1
TV2	Two In-Line Tenons	2.2	3.0	3.4	3.9	4.2	4.4	5.1
TV3	Three In-Line Tenons	3.7	4.7	5.4	6.2	6.7	6.9	7.9
TV3120	Three Tenons at 120°	2.9	3.7	4.0	4.4	4.7	4.9	5.3
TV4	Four In-Line Tenons	5.1	6.5	7.4	8.4	9.1	9.4	10.8
TVC4	Four Tenons at 90°	3.7	4.5	5.0	5.5	5.8	6.0	6.7
BH2180	Two In-Line Tenons	1.7	2.5	2.9	3.4	3.7	3.9	4.6
BH3180	Three In-Line Tenons	2.7	3.7	4.4	5.2	5.7	5.9	6.9
BH3120	Three Tenons at 120°	2.5	3.2	3.6	4.0	4.3	4.4	4.8
BH4180	Four In-Line Tenons	3.7	5.2	6.1	7.1	7.7	8.0	9.5
BH490	Four Tenons at 90°	3.1	3.9	4.4	4.9	5.2	5.4	6.1
RV2	Two Tenons In-Line	1.6	2.4	2.9	3.3	3.6	3.8	4.5
RV3	Three Tenons In-Line	2.6	3.7	4.3	5.1	5.6	5.8	5.9
RV3120	Three Tenons at 120°	2.3	3.1	3.4	3.8	4.1	4.3	4.7
RV4	Four Tenons In-Line	3.4	5.0	5.9	6.9	7.6	7.9	9.3
RVC4	Four Tenons at 90°	2.3	3.8	4.2	4.7	5.0	5.2	5.9

LSMA 4 (Four Module) EPA's shown below include both the fixture and the mounting apparatus.

	DESCRIPTION	0°	20°	30°	45°	60°	70°	90°
TVA4/TVA5	Single Vertical Tenon	1.0	1.3	1.7	2.1	2.4	2.5	3.1
TV2	Two In-Line Tenons	2.8	3.5	4.2	5.1	5.6	5.9	7.1
TV3	Three In-Line Tenons	4.6	5.6	6.6	7.9	8.8	9.2	10.9
TV3120	Three Tenons at 120°	3.4	4.5	5.0	5.8	6.4	6.6	7.3
TV4	Four In-Line Tenons	6.3	7.6	9.0	10.7	11.9	12.4	14.7
BH2180	Two In-Line Tenons	2.3	3.0	3.7	4.6	5.1	5.4	6.6
BH3180	Three In-Line Tenons	3.6	4.6	5.6	6.9	7.8	8.2	9.9
BH3120	Three Tenons at 120°	3.0	4.1	4.5	5.3	5.9	6.2	6.8
BH4180	Four In-Line Tenons	5.0	6.3	7.7	9.4	10.6	11.1	13.4
BH490	Four Tenons at 90°	3.7	5.1	5.8	6.6	7.2	7.5	8.6
RV2	Two Tenons In-Line	2.2	2.9	3.6	4.5	5.0	5.3	6.5
RV3	Three Tenons In-Line	3.5	4.5	5.6	6.8	7.7	8.1	9.8
RV3120	Three Tenons at 120°	2.8	3.9	4.4	5.2	5.8	6.0	6.7
RV4	Four Tenons In-Line	4.8	6.1	7.5	9.2	10.4	10.9	13.2
RVC4	Four Tenons at 90°	3.5	4.9	5.6	6.5	7.0	7.3	8.5

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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.

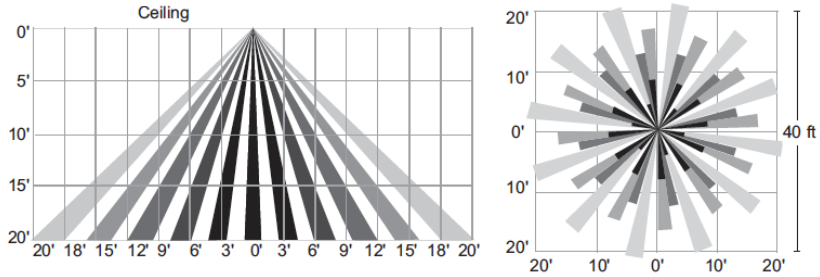
FEATURES —

- 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

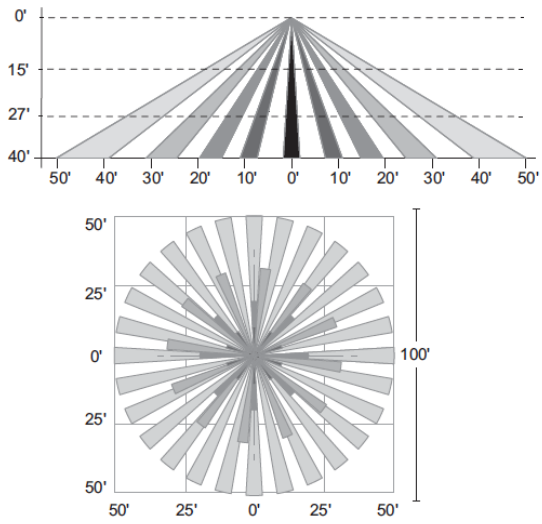
TLWSFSP-L3[7]

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



TLWSFSP-L7[7]

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



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

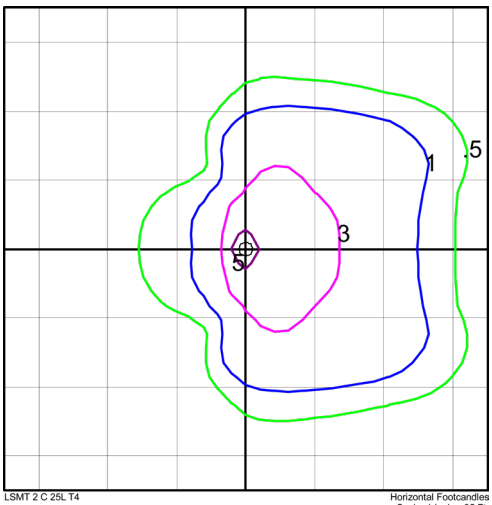
SCIMITAR *FLOOD* SERIES

Ultra High Lumen Output Scimitar LED Flood Light

PHOTOMETRICS

IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 2 C 25L T4

Type IV Optical
Assembly
2 Module, Cool White

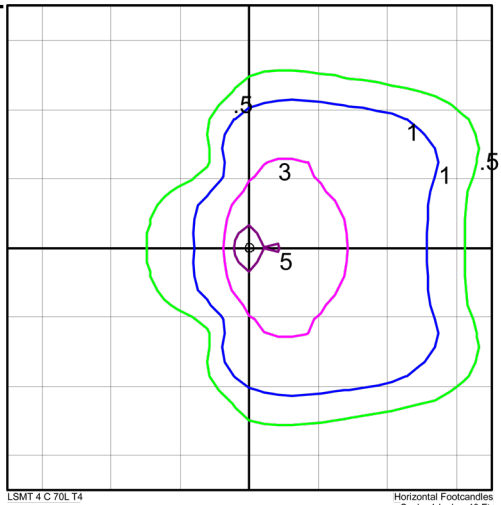


LSMT 2 C 25L T4

Horizontal Footcandles
Scale: 1 Inch = 25 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 24905
Mounting Height = 25.00 Ft
Maximum Calculated Value = 5.88 Fc
Arrangement: Single

IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 4 C 70L T4

Type IV Optical
Assembly
4 Module, Cool White

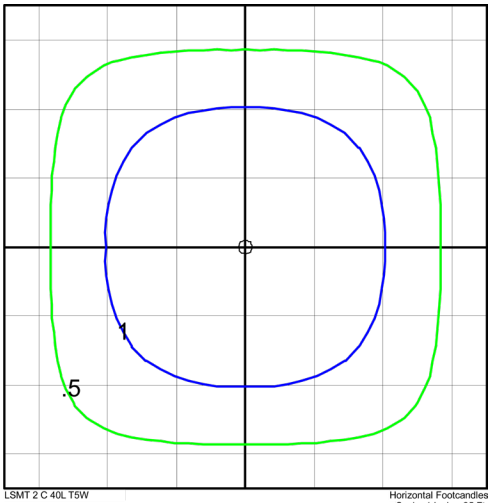


LSMT 4 C 70L T4

Horizontal Footcandles
Scale: 1 Inch = 40 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 69500
Mounting Height = 40.00 Ft
Maximum Calculated Value = 6.15 Fc
Arrangement: Single

IES INDOOR REPORT
PHOTOMETRIC FILE
NAME:
LSMT 2 C 40L T5W

Type V Wide Optical
Assembly
2 Module, Cool White



LSMT 2 C 40L T5W

Horizontal Footcandles
Scale: 1 Inch = 25 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 30814
Mounting Height = 25.00 Ft
Maximum Calculated Value = 2.59 Fc
Arrangement: Single