

SCIMITAR AREA SERIES

High Lumen Output LED Tennis Court Area Light

SPECIFICATIONS

APPLICATION The high lumen output luminaire is designed to be a replacement for HID fixtures up to 1500W. It is optimal for tennis lighting applications where long life, low maintenance, and consistent color rendering is required. The high wattage/lumen output makes this fixture optimal for 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. 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. 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 options include single, twin 70° and 180°, quad 70° and 90° Davit and 7° Up Tilt Straight Arms. 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.



CENTER COURT
LIGHTING



6 Module LSMT BK



4 Module LSMT BK



2 Module LSMT BZ

2 Module Unit | Approx. Weight- 35 lbs.

4 Module Unit | Approx. Weight- 53 lbs.

6 Module Unit | Approx. Weight- 71 lbs.

ORDERING INFORMATION

EXAMPLE: LSMT-8-C-85L-T4-1-BK-C35

LSMT	4	C	85L	T4	1	-	BK	C35
SERIES	MODULE UNIT (SIZE) ²	COLOR TEMP	NOMINAL LUMENS ³	OPTICS ³	VOLTAGE	OPTIC ROTATION	FINISH	OPTIONS
	2 2 Mod Unit 4 4 Mod Unit 6 6 Mod Unit	C Cool White (5000K) N Neutral White (4000K)	20L 20,000 Lumens 25L 25,000 Lumens 30L 30,000 Lumens 35L 35,000 Lumens 40L 40,000 Lumens 45L 45,000 Lumens	T3 Type III T4 Type IV T5W Type V Wide TEN Tennis FT Forward Throw	1 Multi-Volt ¹ 3 277~480V	L Left Rotated Optics R Right Rotated Optics (Leave Blank for standard optics)	BK Black BZ Bronze GR US Green WH White SP Special ²	BTEC Integrated Bluetooth Control Module Casambi Ready Mesh Network C35 35' STW 16/3 cord (Factory installed)
			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					
			85L 85,000 Lumens 90L 90,000 Lumens 95L 95,000 Lumens 100L 100,000 Lumens 105L 105,000 Lumens 110L 110,000 Lumens 115L 115,000 Lumens 120L 120,000 Lumens 125L 125,000 Lumens 130L 130,000 Lumens					

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 = Reference Lumen Chart on Page 2 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 on this page.



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LUMINAIRE CHARACTERISTICS (5000K & 4000K - CCT)

For Optics: FAW, T2, T4A, T4T, T5M, & T5N; reference the lumen chart [via this link](#).

2 Module Unit Data

Nominal Lumens	T3		T4		T5W		TEN		FT		System Watts	Amperage Draw				
	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt		120V	208V	277V	347V	480V
20L	-	-	-	-	-	-	20,828	164	20,308	160	127	1.06	0.61	0.46	0.37	0.26
	19,865	145	20,002	146	20,687	151	-	-	-	-	137	1.14	0.66	0.49	0.39	0.29
25L	-	-	-	-	-	-	24,960	160	25,120	157	160	1.33	0.77	0.58	0.46	0.33
	24,780	140	25,134	142	25,842	146	-	-	-	-	177	1.48	0.85	0.64	0.51	0.37
30L	-	-	-	-	-	-	30,264	156	29,682	153	194	1.62	0.93	0.70	0.56	0.40
	29,295	135	29,729	137	30,810	142	-	-	-	-	217	1.81	1.04	0.78	0.63	0.45
35L	-	-	-	-	-	-	35,264	152	34,800	150	232	1.93	1.12	0.84	0.67	0.48
	34,320	132	34,500	133	35,880	138	-	-	-	-	260	2.17	1.25	0.94	0.75	0.54
40L	-	-	-	-	-	-	40,230	149	39,690	147	270	2.25	1.30	0.97	0.78	0.56
	37,888	128	38,480	130	39,368	133	-	-	-	-	295	2.46	1.42	1.06	0.85	0.61
45L	-	-	-	-	-	-	43,216	146	42,216	144	295	2.46	1.42	1.06	0.85	0.61

2 Module Unit Data

4 Module Unit Data

Nominal Lumens	T3		T4		T5W		TEN		FT		System Watts	Amperage Draw				
	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt		120V	208V	277V	347V	480V
45L	43,950	149	44,171	150	46,470	157	-	-	-	-	295	2.46	1.42	1.06	0.85	0.61
	-	-	-	-	-	-	49,303	167	48,999	165	295	2.46	1.42	1.06	0.85	0.61
50L	-	-	-	-	49,135	155	-	-	-	-	317	2.64	1.52	1.14	0.91	0.66
	50,224	146	50,568	147	-	-	-	-	-	-	344	2.87	1.65	1.24	0.99	0.72
55L	-	-	-	-	54,621	153	54,940	164	54,605	163	335	2.79	1.61	1.21	0.97	0.70
	55,440	144	55,825	145	-	-	-	-	-	-	357	2.98	1.72	1.29	1.03	0.74
	-	-	-	-	-	-	-	-	-	-	385	3.21	1.85	1.39	1.11	0.80
60L	-	-	-	-	-	-	60,214	161	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
	59,924	142	60,346	143	-	-	-	-	-	-	420	3.50	2.02	1.52	1.21	0.88
65L	-	-	-	-	-	-	66,330	158	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
	64,650	140	65,142	141	-	-	-	-	-	-	462	3.85	2.22	1.67	1.33	0.96
70L	-	-	-	-	-	-	71,600	155	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
	69,000	138	69,500	139	-	-	-	-	-	-	500	4.17	2.40	1.81	1.44	1.04
75L	-	-	-	-	-	-	76,000	152	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
	73,980	135	75,076	137	-	-	-	-	-	-	548	4.57	2.63	1.98	1.58	1.14
80L	-	-	-	-	-	-	81,652	149	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
	78,540	132	80,223	135	-	-	-	-	-	-	595	4.96	2.86	2.15	1.71	1.24
85L	-	-	-	-	84,490	141	86,870	146	85,085	143	595	4.96	2.86	2.15	1.71	1.24

4 Module Unit Data

6 Module Unit Data

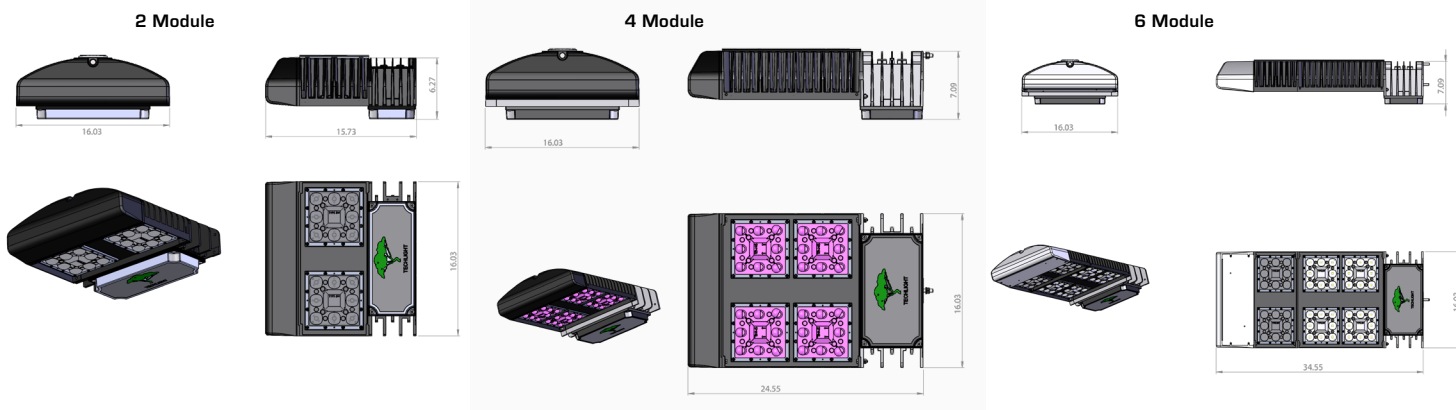
Nominal Lumens	T3		T4		T5W		TEN		FT		System Watts	Amperage Draw				
	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt	Delivered Lumens	Lumens/ Watt		120V	208V	277V	347V	480V
85L	84,290	142	86,275	145	-	-	-	-	-	-	595	2.46	1.42	1.06	0.85	0.61
	-	-	-	-	-	-	90,160	161	-	-	560	2.46	1.42	1.06	0.85	0.61
90L	-	-	-	-	90,400	152	-	-	91,850	155	595	2.64	1.52	1.14	0.91	0.66
	-	-	90,090	143	-	-	-	-	-	-	630	2.87	1.65	1.24	0.99	0.72
	89,794	139	-	-	-	-	-	-	-	-	646	2.87	1.65	1.24	0.99	0.72
95L	-	-	-	-	-	-	94,440	159	-	-	595	2.79	1.61	1.21	0.97	0.70
	-	-	-	-	94,500	150	-	-	96,390	153	630	2.98	1.72	1.29	1.03	0.74
	-	-	94,474	141	-	-	-	-	-	-	670	3.21	1.85	1.39	1.11	0.80
	94,804	137	-	-	-	-	-	-	-	-	692	3.21	1.85	1.39	1.11	0.80
100L	-	-	-	-	-	-	99,528	156	-	-	638	2.46	1.42	1.06	0.85	0.61
	-	-	-	-	99,160	148	-	-	101,170	151	670	2.64	1.52	1.14	0.91	0.66
	-	-	99,107	139	-	-	-	-	-	-	713	2.87	1.65	1.24	0.99	0.72
	99,900	135	-	-	-	-	-	-	-	-	740	2.87	1.65	1.24	0.99	0.72
105L	-	-	-	-	-	-	104,213	153	-	-	680	2.79	1.61	1.21	0.97	0.70
	-	-	-	-	104,098	146	-	-	106,230	149	713	2.98	1.72	1.29	1.03	0.74
	-	-	104,120	137	-	-	-	-	-	-	760	3.21	1.85	1.39	1.11	0.80
	104,280	132	-	-	-	-	-	-	-	-	790	3.21	1.85	1.39	1.11	0.80
110L	-	-	-	-	-	-	109,904	151	-	-	740	2.46	1.42	1.06	0.85	0.61
	-	-	-	-	108,675	144	-	-	111,700	147	760	2.64	1.52	1.14	0.91	0.66
	-	-	108,675	135	-	-	-	-	-	-	805	2.87	1.65	1.24	0.99	0.72
	109,460	130	-	-	-	-	-	-	-	-	842	2.87	1.65	1.24	0.99	0.72
115L	-	-	-	-	-	-	114,879	149	-	-	771	2.79	1.61	1.21	0.97	0.70
	-	-	-	-	114,310	142	-	-	115,920	144	805	2.98	1.72	1.29	1.03	0.74
	-	-	114,168	134	-	-	-	-	-	-	852	3.21	1.85	1.39	1.11	0.80
	114,550	128	-	-	-	-	-	-	-	-	895	3.21	1.85	1.39	1.11	0.80
120L	-	-	-	-	-	-	119,805	147	-	-	815	4.57	2.63	1.98	1.58	1.14
	-	-	-	-	119,280	140	-	-	120,984	142	852	4.64	2.68	2.01	1.61	1.16
	-	-	118,140	132	-	-	-	-	-	-	895	4.96	2.86	2.15	1.71	1.24
125L	-	-	-	-	-	-	124,700	145	-	-	860	4.64	2.68	2.01	1.61	1.16
	-	-	-	-	123,510	138	-	-	125,300	140	895	4.96	2.86	2.15	1.71	1.24
130L	-	-	-	-	-	-	128,514	143	-	-	895	4.96	2.86	2.15	1.71	1.24

6 Module Unit Data

SCIMITAR AREA SERIES

High Lumen Output LED Tennis Court Area Light

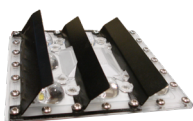
DIMENSIONS



ACCESSORIES/OPTIONS

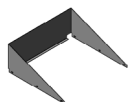
S213

Angled Back Light Shield



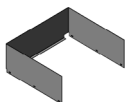
S240

Three Sided Visor Shield



S241

Three Sided Full Shield



CER100*

Wireless Repeater



BTEC*

Integrated Bluetooth Control Module Casambi Ready Mesh Network



NOTES (continued)

4 = For extended range greater than 100ft between BT Mesh Network connections.

5 = Control Modules are installed and luminaires are commissioned at the factory. Lighting control system via the Casambi app for Apple iOS and Android devices provides diverse functionality for a control hierarchy capable of managing multiple schedules and scenes and incorporating a variety of energy saving accessories.

MOUNTING ACCESSORIES

DAVIT ARMS



Single Davit Arm

DV190

EPA: 0.9 51 lbs.



Double Davit Arm at 70°

DV270

EPA: 1.1 83 lbs.



Double Davit Arm at 180°

DV2180

EPA: 1.4 83 lbs.



Quad Davit Arm at 70°

DV470

Quad Davit Arm at 90°

DV490

EPA: 1.6 145 lbs.

CCS 7° TILT ARMS



Single Straight Arm with 7° Up Tilt

CCS-190

EPA: 1.8 29 lbs.



Double Straight Arm at 180° with 7° Up Tilt

CCS-2180

EPA: 3.4 49 lbs.



Double Straight Arm at 70° with 7° Up Tilt

CCS-270

EPA: 2.8 49 lbs.



Quad Straight Arm at 70° with 7° Up Tilt

CCS-470

Quad Straight Arm at 90° with 7° Up Tilt

CCS-490

EPA: 3.75 89 lbs.



EPA's (ft.²)

Fixture Configuration	2 Brick EPA's		4 Brick EPA's		6 Brick EPA's	
	DV Arm	CCS7 Arm	DV Arm	CCS7 Arm	DV Arm	CCS7 Arm
1 @ 90°	1.5	2.5	1.8	2.8	2.1	3.1
2 @ 180°	2.7	4.7	3.3	5.3	3.5	8.4
2 @ 90°	2.3	3.8	2.6	4.1	2.9	4.4
3 @ 90°	3.4	5.4	4	6.1	4.7	6.7
4 @ 90° or 4 @ 70°	4.1	6.1	4.7	6.7	5.3	7.3

EPA's shown include both the fixture and the mounting apparatus

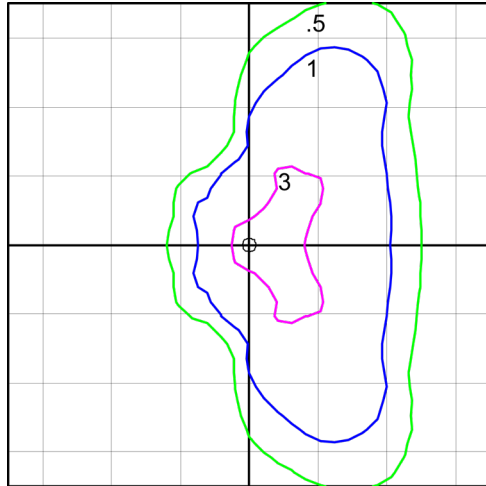
SCIMITAR AREA SERIES

High Lumen Output LED Tennis Court Area Light

PHOTOMETRY

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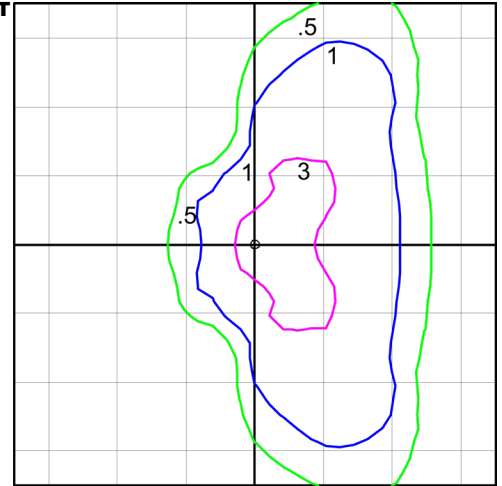
Type III Optical
Assembly
2 Module, Cool White



LSMT 2 C 25L T3
Horizontal Footcandles
Scale: 1 Inch = 25 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 24781
Mounting Height = 25.00 Ft
Maximum Calculated Value = 4.17 Fc
Arrangement: Single

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

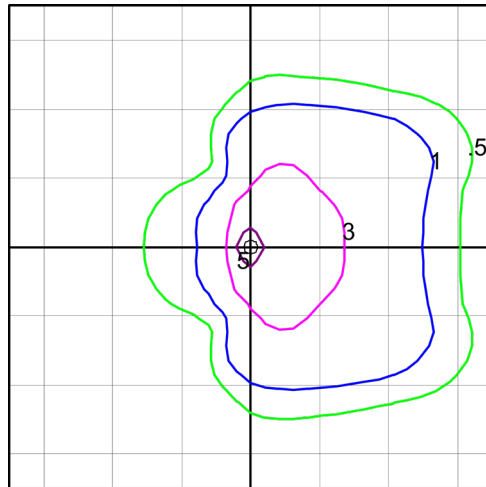
Type III Optical
Assembly
4 Module, Cool White



LSMT 4 C 70L T3
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 = 4.51 Fc
Arrangement: Single

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

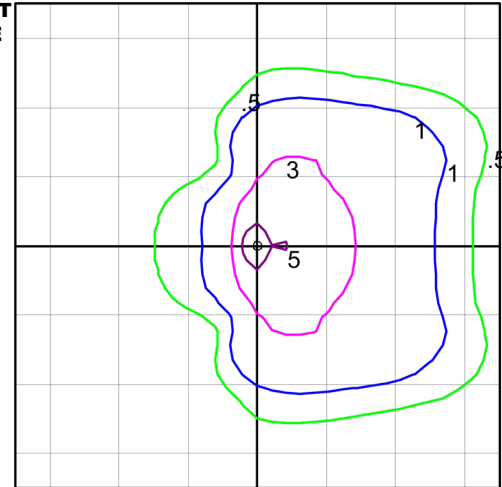
Type IV Optical
Assembly
2 Module, Cool White



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 = 24975
Mounting Height = 25.00 Ft
Maximum Calculated Value = 5.88 Fc
Arrangement: Single

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

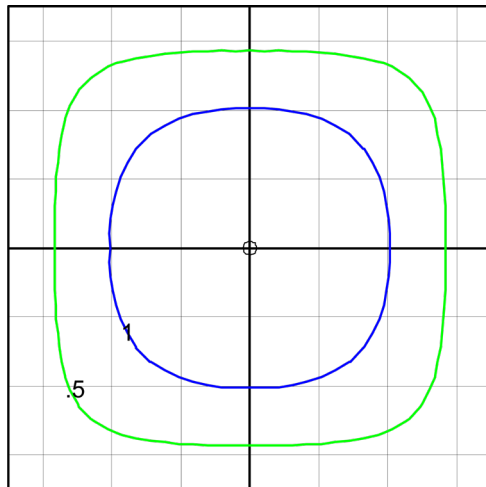
Type IV Optical
Assembly
4 Module, Cool White



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

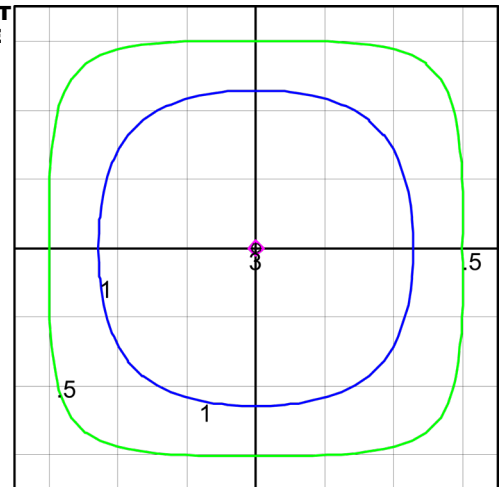
Type V Wide Optical
Assembly
2 Module, Cool White



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

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

Type V Wide Optical
Assembly
6 Module, Cool White



LSMT 6 C 95L T5W
Horizontal Footcandles
Scale: 1 Inch = 40 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 94500
Mounting Height = 40.00 Ft
Maximum Calculated Value = 3.09 Fc
Arrangement: Single