SDM Stadium Luminaires

Project:	
Type:	
Catalog #:	

STANDARD

Shown with standard visor & wall mounting bracket

FEATURES

- *Available in 3000k,4000k, 5000k & 5700k color temperatures.**
- *Long-life LEDs provide at least 145,000 hours of operation with at least 70% of initial lumen output (L_{70}).***
- *Available models provide 39,000 to 77,000 nominal lumens, and 123 to 134 nominal lumens per watt (LPW).*
- *Two photometric distributions are available: NEMA type 3x3 (77L models), and NEMA type 5x5 (39L, 50L, & 64L models).*
- *Universal 120-277AC & 200-480 AC voltage (50-60Hz) are available.*
- *2-meter AC power cords are standard. 25-meter AC power cords are optional.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index (R_a) > 80 (39L, 50L & 64L models) or > 70 (78L model).*
- *Visors and wall mounting bracket are standard. Rotating mounting bracket and laser aiming devices are accessories. Rotating bracket cannot be used with 78L.*
- *Adjustable from 0° to 100° vertically, and from 0° to 120° horizontally.*
- *Cold forged aluminum housing with black, powder coat finish.*
- *High-impact, polycarbonate lens.*
- *Easy installation in new construction or retrofit applications.*

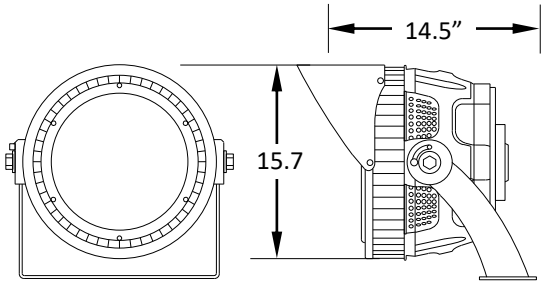
WARRANTY & LISTINGS

- *cULus listed for wet locations in ambient temperatures from -40°C to 50°C (-40°F to 122°F).*
- *IP66 rated for ingress protection.*
- *DLC premium approved.*
- *Complies with FCC Part 15, class A.*
- *Complies with EN61000-4-2, surge immunity protection (2kV).*
- *Complies with RoHS (Restriction on Hazardous Substances) requirements.*
- *5-year warranty of all electronics and housing.*

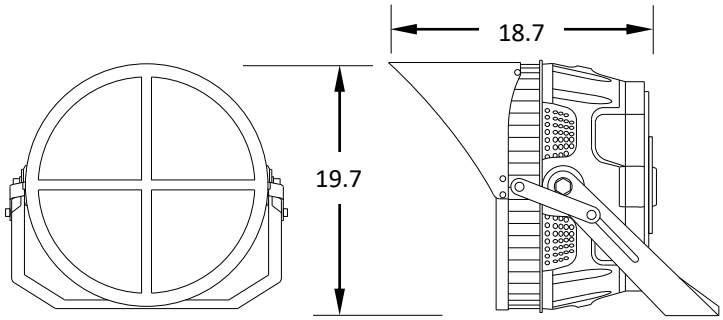
* *Contact factory for other color temperatures and lumen packages.*
** *L70 hours are IES TM-21-11 calculated hours.*

DIMENSIONS

SDM-39L, SDM-50L, & SDM-64L Models
(Weight: 36 lbs.)



SDM-77L Model
(Weight: 66 lbs.)



ORDERING INFORMATION

Example: SDM-39L-3K-5X5

Model	Nominal Lumen Output		Color Temperature		Input Voltage		NEMA Distribution Type		Mounting Options		AC Power Cord Option		Accessories (Order Separately)	
SDM	39L	39,000 lumens	3K	3000k	Blank	120-277V	3X3*	3 Horizontal x 3 Vertical	RMB	Rotating Mounting Bracket	82C3	25-meter AC power cord - 3-conductor	SDM-LAD	Laser Aiming Device
	50L	50,000 lumens	4K	4000k	UNC	200-480V	5X5*	5 Horizontal x 5 Vertical	Blank	Standard Wall Bracket	Blank	Standard AC power cords		
	64L	64,000 lumens	5K	5000k										
	77L	77,000 lumens	57K	5700k										

*Note: *Type 3x3 distribution is available on SDM-77L, and type 5x5 is available on SDM-39L, SDM-50L & SDM-64L.*

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ELECTRICAL DATA

Model	Color Temp.	CRI [1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage[2]	Input Current (A)			Power Factor	THD [3]	L_{70} Hours [4]
							120V	240V	277V			
120-277V Models												
SDM-39L-3K-5X5	3000k	> 80	39,279	305	129	120-277	2.54	1.27	1.10	> 90%	< 20%	145,000
SDM-39L-4K-5X5	4000k	> 80	39,881	305	131	120-277	2.54	1.27	1.10	> 90%	< 20%	145,000
SDM-39L-5K-5X5	5000k	> 80	40,483	305	133	120-277	2.54	1.27	1.10	> 90%	< 20%	145,000
SDM-39L-57K-5X5	5700k	> 80	40,784	305	134	120-277	2.54	1.27	1.10	> 90%	< 20%	145,000
SDM-50L-3K-5X5	3000k	> 80	49,626	404	123	120-277	3.37	1.68	1.46	> 90%	< 20%	145,000
SDM-50L-4K-5X5	4000k	> 80	50,643	404	125	120-277	3.37	1.68	1.46	> 90%	< 20%	145,000
SDM-50L-5K-5X5	5000k	> 80	51,534	404	128	120-277	3.37	1.68	1.46	> 90%	< 20%	145,000
SDM-50L-57K-5X5	5700k	> 80	51,980	404	129	120-277	3.37	1.68	1.46	> 90%	< 20%	145,000
SDM-64L-3K-5X5	3000k	> 80	63,794	505	126	120-277	4.21	2.10	1.82	> 90%	< 20%	145,000
SDM-64L-4K-5X5	4000k	> 80	65,040	505	129	120-277	4.21	2.10	1.82	> 90%	< 20%	145,000
SDM-64L-5K-5X5	5000k	> 80	66,286	505	131	120-277	4.21	2.10	1.82	> 90%	< 20%	145,000
SDM-64L-57K-5X5	5700k	> 80	66,909	505	132	120-277	4.21	2.10	1.82	> 90%	< 20%	145,000
SDM-77L-3K-3X3	3000k	> 70	76,745	606	127	120-277	5.05	2.53	2.19	> 90%	< 20%	418,000
SDM-77L-4K-3X3	4000k	> 70	78,256	606	129	120-277	5.05	2.53	2.19	> 90%	< 20%	418,000
SDM-77L-5K-3X3	5000k	> 70	79,687	606	131	120-277	5.05	2.53	2.19	> 90%	< 20%	418,000
SDM-77L-57K-3X3	5700k	> 70	80,403	606	133	120-277	5.05	2.53	2.19	> 90%	< 20%	418,000
200-480V Models							277V	347V	480V			
SDM-39L-3K-UNC-5X5	3000k	> 80	39,252	306	128	200-480	1.10	0.88	0.64	> 90%	< 20%	145,000
SDM-39L-4K-UNC-5X5	4000k	> 80	39,950	306	131	200-480	1.10	0.88	0.64	> 90%	< 20%	145,000
SDM-39L-5K-UNC-5X5	5000k	> 80	40,507	306	132	200-480	1.10	0.88	0.64	> 90%	< 20%	145,000
SDM-39L-57K-UNC-5X5	5700k	> 80	40,786	306	133	200-480	1.10	0.88	0.64	> 90%	< 20%	145,000
SDM-50L-3K-UNC-5X5	3000k	> 80	49,448	402	123	200-480	1.45	1.16	0.84	> 90%	< 20%	145,000
SDM-50L-4K-UNC-5X5	4000k	> 80	50,603	402	126	200-480	1.45	1.16	0.84	> 90%	< 20%	145,000
SDM-50L-5K-UNC-5X5	5000k	> 80	51,419	402	128	200-480	1.45	1.16	0.84	> 90%	< 20%	145,000
SDM-50L-57K-UNC-5X5	5700k	> 80	51,827	402	129	200-480	1.45	1.16	0.84	> 90%	< 20%	145,000
SDM-64L-3K-UNC-5X5	3000k	> 80	63,994	505	127	200-480	1.82	1.46	1.05	> 90%	< 20%	145,000
SDM-64L-4K-UNC-5X5	4000k	> 80	65,173	505	129	200-480	1.82	1.46	1.05	> 90%	< 20%	145,000
SDM-64L-5K-UNC-5X5	5000k	> 80	66,352	505	131	200-480	1.82	1.46	1.05	> 90%	< 20%	145,000
SDM-64L-57K-UNC-5X5	5700k	> 80	66,941	505	133	200-480	1.82	1.46	1.05	> 90%	< 20%	145,000
SDM-77L-3K-UNC-3X3	3000k	> 70	76,600	604	127	200-480	2.18	1.74	1.26	> 90%	< 20%	421,000
SDM-77L-4K-UNC-3X3	4000k	> 70	77,924	604	129	200-480	2.18	1.74	1.26	> 90%	< 20%	421,000
SDM-77L-5K-UNC-3X3	5000k	> 70	79,247	604	131	200-480	2.18	1.74	1.26	> 90%	< 20%	421,000
SDM-77L-57K-UNC-3X3	5700k	> 70	79,909	604	132	200-480	2.18	1.74	1.26	> 90%	< 20%	421,000

[1] Color rendering index.

[2] All 50-60Hz.

[3] Total harmonic distortion.

[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.