

**Decorative Area & Site Luminaire
Architectural Outdoor Lighting Solution**

PERFORMANCE

Delivered Lumens:
6,600 – 61,000 lumens (depending on configuration - see lumen chart for accurate lumen ratings) - replaces up to 1000W Metal Halide.

Wattage:
CCT Adjustable 100W – 400W LED System

Efficacy:
Up to 175 lm/W (projected efficacy based on LED manufacturer data)

Typical Application Life:
Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Color Characteristics:
CCT: 3000K / 4000K / 5000K
CRI: ≥70 standard

Distribution Types:
Type II, Type III, Type IV, Type V

Thermal Management:
Complete heat sink that optimizes heat dissipation through convection cooling management for long-term lumen maintenance and system reliability.

ELECTRICAL

Input Voltage:
120-277V

Dimming:
0-10V (DIM Option)

Power:
Power Adjustable 100%, 80%, 60%, 40%.

Driver:
Class 2 Programmable LED Driver
Power Factor >0.90
Total Harmonic Distortion (THD) <20%

Surge Protection:
10KA Surge Protection

LEDs:
High-efficacy LEDs mounted to metal-core circuit boards for optimized thermal management.

CONTROLS

Optional Motion Sensor
Optional 3-pin or 7-pin photocell

CONSTRUCTION

Housing:
One-Piece Die-Cast Aluminum Housing.
Low profile, 3G vibration rated compact design minimizes wind load requirements.
Housing is completely sealed against moisture and environmental contaminants.
*All aluminum components are manufactured from corrosion-resistant alloys suitable for outdoor architectural environments.

Finish:
Corrosion-resistant Super Durable Powder Coat Finish

Optics:
Available in IES Type II, III, IV, V distributions
Light engines are available in adjustable color temperature 3000K/4000K/5000K configurations.
Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing.
Optics can conform to meet dark sky requirements.

LED Source:
Integrated LED Array

INSTALLATION

Installation by qualified electrician.
Suitable for mounting heights ranging from 26-50' in area lighting applications.
Round pole, Square pole, slipfitter, wallmount, and yoke are available.
Designed for single person easy install.

LISTINGS

Conforms to UL 1598 and CSA standards.
DesignLights Consortium™ Qualified
Note: DesignLights Consortium™ Qualified and classified for DL Premium, refer to www.designlights.org for details.

WARRANTY

Standard 2-Year Limited Warranty
Optional 5-Year and 7-Year Extended Warranties Available
Rated for -40°C to 45°C maximum ambient operating temperature.
Ambient temperature of 400W is: -40°C to 40°C
Note: Specifications subject to change without notice. Actual performance may vary depending on installation environment and operating conditions. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C).



SPECIFICATIONS

MSL8M: 13"W x 15.6"L
MSL8L: 13"W x 24.9"L

EPA CHART

Item	1	2@90	2@120	2@180	3@90	3@120	4@90
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

ORDERING GUIDE

MODEL	FINISH	PERFORMANCE*	KELVIN	TYPE	OPTIONS	
		*Shown @ 100% Power, 5000K, Type V				
Model MSL8	Finish DB - Dark Bronze BL - Black AS - Anodized Silver WH - White CC - Custom Color	Performance(MSL8M) LED100 - 100W LED 15,600 Lms LED140 - 140W LED 21,000 Lms LED180 - 180W LED 25,200 Lms Performance(MSL8L) LED250 - 250W LED 34,500 Lms LED300 - 300W LED 42,000 Lms LED400 - 400W LED 60,000 Lms	Kelvin 30 - 30K 40 - 40K 50 - 50K	Type II - Type II III - Type III IV - Type IV V - Type V	Options 5Y - 5 Year Warranty 7Y - 7 Year Warranty DIM - 0-10V Dimmable HSS - House Side Shield MOT - Motion Sensor PC - Photocell	

► BUG RATING @ 5000K

System Watts	Voltage	Dist. Type	B	U	G
100W	120/277V	2	3	0	3
		3	3	0	3
		4	3	0	2
		5	4	0	2
140W	120/277V	2	3	0	3
		3	3	0	3
		4	3	0	3
		5	4	0	2
180W	120/277V	2	4	0	3
		3	3	0	3
		4	3	0	3
		5	4	0	2
250W	120/277V	2	4	0	4
		3	4	0	4
		4	4	0	3
		5	5	0	3
300W	120/277V	2	5	0	4
		3	4	0	4
		4	4	0	4
		5	5	0	4
400W	120/277V	2	5	0	4
		3	5	0	5
		4	5	0	5
		5	5	0	4

► PERFORMANCE CHARTS

MSL8M - 100W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	100W	2	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		3	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		4	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		5	70	15100lm	151 lm/W	16000lm	160 lm/W	15600lm	156 lm/W
80%	80W	2	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		3	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		4	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		5	70	12500lm	156 lm/W	13300lm	166 lm/W	12800lm	160 lm/W
60%	60W	2	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		3	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		4	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		5	70	9600lm	160 lm/W	10200lm	170 lm/W	9850lm	164 lm/W
40%	40W	2	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		3	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		4	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		5	70	6560lm	164 lm/W	7000lm	175 lm/W	6700lm	168 lm/W

MSL8M - 140W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	140W	2	70	20000lm	145 lm/W	23000lm	158 lm/W	21000lm	150 lm/W
		3	70	20000lm	145 lm/W	23000lm	158 lm/W	21000lm	150 lm/W
		4	70	20000lm	145 lm/W	23000lm	158 lm/W	21000lm	150 lm/W
		5	70	21000lm	151 lm/W	23500lm	160 lm/W	21500lm	156 lm/W
80%	120W	2	70	18000lm	150 lm/W	20000lm	163 lm/W	18500lm	156 lm/W
		3	70	18000lm	150 lm/W	20000lm	163 lm/W	18500lm	156 lm/W
		4	70	18000lm	150 lm/W	20000lm	163 lm/W	18500lm	156 lm/W
		5	70	18500lm	156 lm/W	20500lm	166 lm/W	19000lm	160 lm/W
60%	90W	2	70	13800lm	155 lm/W	15200lm	167 lm/W	14200lm	160 lm/W
		3	70	13800lm	155 lm/W	15200lm	167 lm/W	14200lm	160 lm/W
		4	70	13800lm	155 lm/W	15200lm	167 lm/W	14200lm	160 lm/W
		5	70	14000lm	160 lm/W	15600lm	170 lm/W	14500lm	164 lm/W
40%	60W	2	70	9400lm	160 lm/W	10300lm	170 lm/W	9700lm	164 lm/W
		3	70	9400lm	160 lm/W	10300lm	170 lm/W	9700lm	164 lm/W
		4	70	9400lm	160 lm/W	10300lm	170 lm/W	9700lm	164 lm/W
		5	70	9600lm	164 lm/W	10500lm	175 lm/W	10000lm	168 lm/W

MSL8M - 180W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	180W	2	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		3	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		4	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		5	70	25500lm	142 lm/W	28000lm	156 lm/W	26000lm	144 lm/W
80%	144W	2	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		3	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		4	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		5	70	20800lm	144 lm/W	22800lm	158 lm/W	21000lm	146 lm/W
60%	108W	2	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		3	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		4	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		5	70	15800lm	146 lm/W	17300lm	160 lm/W	16200lm	150 lm/W
40%	72W	2	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		3	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		4	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		5	70	10800lm	150 lm/W	11800lm	164 lm/W	11000lm	153 lm/W

MSL8L - 250W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	250W	2	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		3	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		4	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		5	70	34500lm	138 lm/W	38000lm	152 lm/W	35500lm	142 lm/W
80%	200W	2	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		3	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		4	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		5	70	28000lm	140 lm/W	31000lm	155 lm/W	28800lm	144 lm/W
60%	150W	2	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		3	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		4	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		5	70	21800lm	145 lm/W	23800lm	159 lm/W	22500lm	150 lm/W
40%	100W	2	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		3	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		4	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		5	70	15000lm	150 lm/W	16500lm	165 lm/W	15500lm	155 lm/W

MSL8L - 300W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	300W	2	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		3	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		4	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		5	70	42500lm	142 lm/W	46000lm	153 lm/W	43500lm	145 lm/W
80%	240W	2	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		3	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		4	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		5	70	34500lm	144 lm/W	38000lm	158 lm/W	35500lm	148 lm/W
60%	180W	2	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		3	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		4	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		5	70	26600lm	148 lm/W	29700lm	165 lm/W	27500lm	153 lm/W
40%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20800lm	173 lm/W	19000lm	158 lm/W

MSL8L - 400W									
Setting	System Watts	Dist. Type	CRI	4000K		5000K			
				Lumens	LPW	Lumens	LPW		
100%	400W	2	70	60500lm	151 lm/W	60000lm	150 lm/W		
		3	70	60500lm	151 lm/W	60000lm	150 lm/W		
		4	70	60500lm	151 lm/W	60000lm	150 lm/W		
		5	70	61000lm	153 lm/W	60800lm	152 lm/W		
80%	360W	2	70	56000lm	156 lm/W	55000lm	153 lm/W		
		3	70	56000lm	156 lm/W	55000lm	153 lm/W		
		4	70	56000lm	156 lm/W	55000lm	153 lm/W		
		5	70	56500lm	157 lm/W	55500lm	154 lm/W		
60%	320W	2	70	51000lm	159 lm/W	50000lm	156 lm/W		
		3	70	51000lm	159 lm/W	50000lm	156 lm/W		
		4	70	51000lm	159 lm/W	50000lm	156 lm/W		
		5	70	51500lm	161 lm/W	50500lm	159 lm/W		
40%	300W	2	70	47000lm	162 lm/W	46000lm	159 lm/W		
		3	70	47000lm	162 lm/W	46000lm	159 lm/W		
		4	70	47000lm	162 lm/W	46000lm	159 lm/W		
		5	70	47500lm	164 lm/W	46500lm	160 lm/W		