

# MSL01 SERIES - LED Stadium Light

The MSL01 Series - LED Stadium Light, Up to 146 lm/W, IP65 Wet Location, 0-10V Dimmable, Premium Outdoor Luminaire.

Project:
Date:
Catalog No:
Prepared By:

## Premium Features

<b>Lumen Output</b>	51000 to 118000 lumens
<b>Efficacy</b>	Up to 146 lm/W
<b>Input Voltage</b>	120-277V, 347-480V, and 277-480V
<b>Dimmable</b>	0-10V Continuous
<b>CCT</b>	5000K or 5700K
<b>IP Rating</b>	IP65 Wet Location
<b>Warranty</b>	5 and 10 Years

### Applications

Premium outdoor luminaire suitable for pathways and pedestrian walkways.

### Construction

Manufactured for weather-proof durability using solid heavy duty die cast aluminum housing with anti-UV polyester coating to resist water, salt, corrosion, discoloration, and scratching. IP65 Wet Location rated for dust-tight, water-jets: IEC 60529. EPA rating 0.9696. 3G Vibration rated. Built in Surge Suppression 10KV@120-277V, 20KV@347-480V for 350W and 505W models. Built in Surge Suppression 40KV@277-480V for 650W and 850W models.

### Electrical

Input voltages 120-277V, 277-480V, and 347-480V models with 0-10V Continuous Dimming. Operating temperatures -40°F to 131°F (-40°C to 55°C).

### Mounting

Yoke Mount standard. Optional Slip-Fit Adapter for Yoke Mount available.

### Optics

Anti-UV Frosted Polycarbonate Lens. Includes Visor for glare reduction.

### Listings

UL certified to meet US and Canadian standards. FCC, CE and RoHS compliant. Listed to qualify for energy-efficient LED lighting rebates.

### Warranty

5 yr /50K hrs for 350W and 505W models. 10 yr /100K hrs for 500W, 650W, and 850W models. View at: <https://falkorindustry.com/warranty/>.

350W and 505W Models



500W, 650W, and 850W Models



Slip-Fit Adapter for Yoke Mount

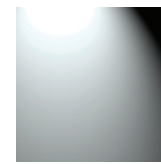


### Correlated Color Temperatures (CCT)

5000K



5700K



## Specifications

### Energy Data

**Input Voltage:** 120-277V, 277-480V, 347-480V

**Input Frequency:** 50/60 Hz

**Wattage:** 350W, 500W, 505W, 650W, 850W

**Power Factor:** >0.9

**Total Harmonic Distortion:** <20%

**Operating Temperature:** -40°F to 131°F (-40°C to 55°C)

### Lighting Data

**Lumens:** 51000, 70000, 71000, 91000, 118000

**Lumens Per Watt:** Up to 146 lm/W

**Color Correlated Temperature (CCT):** 5000K, 5700K

**Dimmable:** 0-10V

**Color Rendering Index (CRI):** >80

**L70:** 50000 and 100000 hours

## Ordering Information

Model	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions	Weight
MSL01-350W-5000K	350W	120-277V	2.92A@120V, 1.26A@277V	51000	146 lm/W	5000K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	37.57 lbs
MSL01-350W-5700K	350W	120-277V	2.92A@120V, 1.26A@277V	51000	146 lm/W	5700K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	37.57 lbs
MSL01-350W-5000K [480V]	350W	347-480V	1.01A@347V, 0.73A@480V	51000	146 lm/W	5000K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	37.57 lbs
MSL01-350W-5700K [480V]	350W	347-480V	1.01A@347V, 0.73A@480V	51000	146 lm/W	5700K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	37.57 lbs
MSL01-500W-5000K	500W	120-277V	4.17A@120V, 1.80A@277V	71000	142 lm/W	5000K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	56.30 lbs
MSL01-500W-5700K	500W	120-277V	4.17A@120V, 1.80A@277V	71000	142 lm/W	5700K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	56.30 lbs
MSL01-505W-5000K	505W	120-277V	4.21A@120V, 1.82A@277V	70000	139 lm/W	5000K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	39.26 lbs
MSL01-505W-5700K	505W	120-277V	4.21A@120V, 1.82A@277V	70000	139 lm/W	5700K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	39.26 lbs
MSL01-505W-5000K [480V]	505W	347-480V	1.46A@347V, 1.05A@480V	70000	139 lm/W	5000K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	39.26 lbs
MSL01-505W-5700K [480V]	505W	347-480V	1.46A@347V, 1.05A@480V	70000	139 lm/W	5700K	0-10V	Black	16.30"L x 20.60"W x 15.20"D	39.26 lbs
MSL01-650W-5000K [480V]	650W	277-480V	2.35A@277V, 1.35A@480V	91000	140 lm/W	5000K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	63.47 lbs
MSL01-650W-5700K [480V]	650W	277-480V	2.35A@277V, 1.35A@480V	91000	140 lm/W	5700K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	63.47 lbs
MSL01-850W-5000K [480V]	850W	277-480V	7.08A@277V, 3.07A@480V	118000	139 lm/W	5000K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	63.47 lbs
MSL01-850W-5700K [480V]	850W	277-480V	7.08A@277V, 3.07A@480V	118000	139 lm/W	5700K	0-10V	Black w/ Red/Orange	18.50"L x 23.80"W x 17.46"D	63.47 lbs

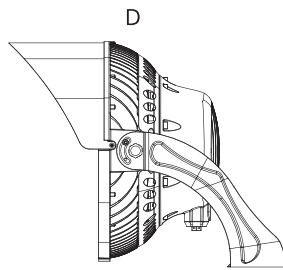
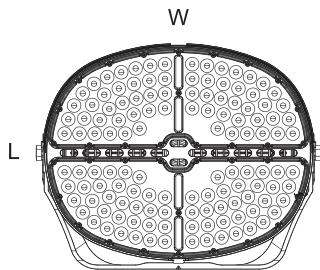
### Mount

TR-SP-B	Slip-Fit Adapter for Yoke Mount
(Blank)	None

## Physical Dimensions

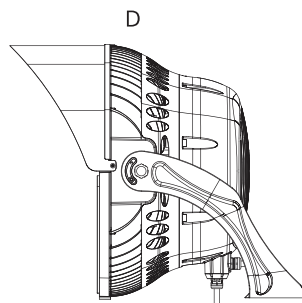
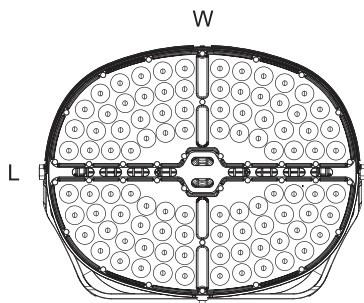
### 350W and 505W Models

16.30"L x 20.60"W x 15.20"D

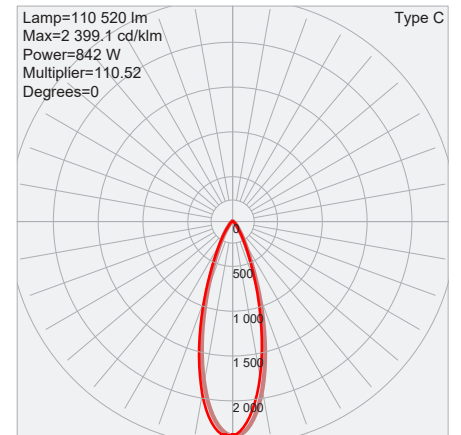


### 500W, 650W, and 850W Models

18.50"L x 23.80"W x 17.46"D



## Photometric Characteristics



\*Example of 850W (480V) 5700K

