



LED Flood Light MSL-EDG-S- Specifications



About Us,

MSL USA's LED streetlights are trusted by electrical contractors, government agencies, and project managers across the United States. Our selection of streetlights include fixtures with dusk to dawn photocell technology as well as weather resistant coating to ensure smooth operation through harsh weather conditions. We also offer solar powered streetlights for environmentally friendly projects. We advanced production technology, we deliver smart lighting solutions for streets, gardens, residential areas, and many more...

HIGHLIGHT MSL-EDG-S SPORT LIGHT & FLOOD LIGHT

New MSL-EDG-S is the standard of outstanding light quality with high performance and low light pollution.

The high power and high lumen 120W to 1200W luminaire fittings are commonly used in sports arenas, high masts and large areas for security.

Furthermore, a choice of 15 high quality optics for flexible lighting design and compliance with international sports broadcasting standards.

The external driver box supports separate use at a distance from the floodlight and pre-fixed onto the fixture as well.

PRODUCT FEATURES



System Light
Efficacy 160-
165lm/W



Ultra Bright,
Up to
192,000Lm.



Flexible,
Modular
Design.



15 Optical
Lense
Choices.



Easy
Installation
& Maintenance.



3G / 5G
Vibration.



Salt fog
1000hrs.



ETL、DLC5.1
CB、CE、RoHS.



5~10 years
warranty, up to
150,000 hours long
life.



Recreational
sports



Multi-sports
halls



Areas for
controlled
spill light



Apron
spaces



Transportation &
industrial areas



PERFORMANCE



120W-1200W



160-165lm/W



Philips Lumileds



100-277 VAC (347/480 VAC Optional) Dimming Optional



0.95 min



Sosen/Inventronics



≥70



4500-5500K (2500-5500K)



L70>150,000 Hours



22°、30°、45°、60°、90°、110°、150°
40×100°、60×100°、60×120°、65×155°、70×135°、75×150°、80×150°



IP66



IK10



Operating Temperature: -45°C-50°C (-49°F-122°F)
Storing Temperature: -45°C-80°C (-49°F-176°F)



PC 3000U



SPECIFICATIONS

Model	Power	Efficacy (IES)	Total Lumen	N.W	CRI	EPA	Product Dimensions
MSL-EDG-S	120W	160lm/W	19,200lm	5.4kg/17.4lbs	>70	/	352x370x175mm 13.8x14.5x6.8"
MSL-EDG-S	200W	165lm/W	33,000lm	6.5kg/32.6lbs	>70	/	446x370x175mm 17.5x14.5x6.8"
MSL-EDG-S	300W	165lm/W	49,500lm	7.5kg/0.3lbs	>70	1.04ft ² @30° 1.36ft ² @45° 1.62ft ² @60°	540x370x175mm 21.2x14.5x6.8"
MSL-EDG-S	400W	165lm/W	66,000lm	7.5kg/40.3lbs	>70	1.25ft ² @30° 1.66ft ² @45° 1.98ft ² @60°	619x410x175mm 24.3x16.1x6.8"
MSL-EDG-S	600W	160lm/W	96,000lm	7.5kg/40.3lbs	>70	1.36ft ² @30° 1.96ft ² @45° 2.35ft ² @60°	713x410x180mm 28.0x16.1x7.0"
MSL-EDG-S	800W	160lm/W	128,000lm	7.5kg/40.3lbs	>70	1.42ft ² @30° 1.98ft ² @45° 2.47ft ² @60°	910x420x180mm 35.8x16.5x7.0"
MSL-EDG-S	960W	160lm/W	153,600lm	7.5kg/40.3lbs	>70	1.59ft ² @30° 2.23ft ² @45° 2.77ft ² @60°	1004x420x180mm 39.5x16.5x7.0"
MSL-EDG-S	1200W	160lm/W	192,000lm	7.5kg/40.3lbs	>70	1.94ft ² @30° 2.71ft ² @45° 3.37ft ² @60°	1192x420x180mm 46.9x16.5x7.0"



LIGHT JUST RIGHT FOR ATHLETES

The NED LED sports light offers optimum visibility without glare or shadows thanks to a special shield and optical design. As a result, every athlete, whatever their sport, can enjoy themselves, perform at their best and avoid injury.

BETTER LIGHT FOR THE ENVIRONMENT

The quality of eyesight of young people is gradually dropping because the dramatically growing use of electronic products. And obesity through a sedentary lifestyle is also increasing, so it is more important than ever to encourage young people to do sports regularly. The LED lighting system can support the creation of healthier environment and encourage greater participation in recreational sports. It uses less energy and reduces carbon footprint.

SPILL LIGHT

Any light that falls beyond the area that is being illuminated that is not intentional or required is considered spill light. Although spill light should generally be controlled in residential areas, reactions to spill light often vary. Some residents are ambivalent with regard to spill light, or may even prefer spill light on their property to enhance their feeling of security, while other residents want the spill light directed away from their property.



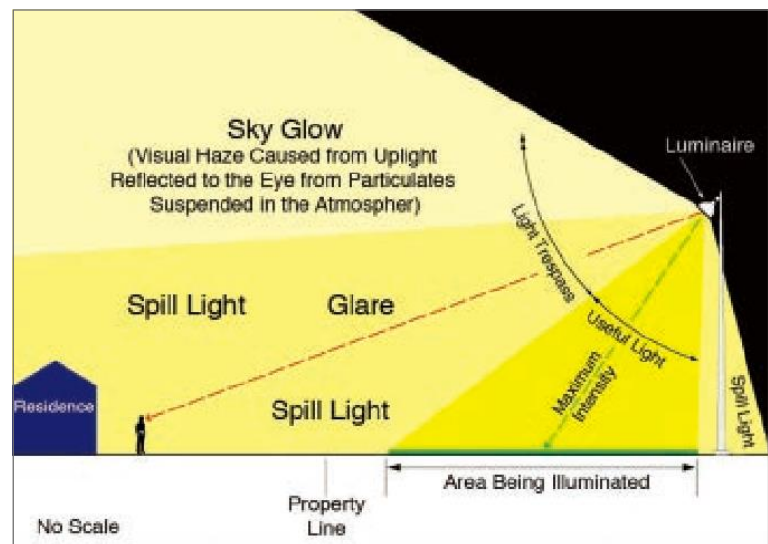
GLARE

The impacts of glare should generally be reduced. Glare typically impacts larger areas as pole mounted luminaires may be visible from long distances. The use of luminaires that incorporate internal and/or external shielding (visors) to limit direct view of light sources help reduce glare.

LIMIT THE LIGHT POLLUTION

SKY GLOW

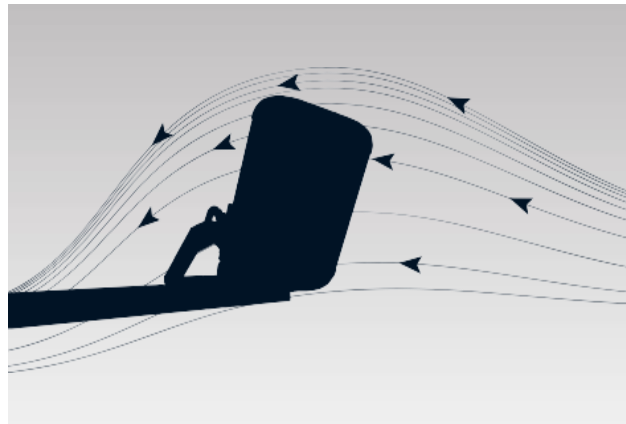
The haze or glow of light emitted above a lighting installation is a form of light pollution referred to as sky glow, must conform to Sports and Recreational Area Lighting requests of IES RP-6-15/ EN 12193. Sky glow can be minimized by reducing the amount of up-light cast into the sky. For the light emitted into the sky directly from the luminaire, external shielding (visors) can be added.



WIND RESISTANCE MINIMIZATION

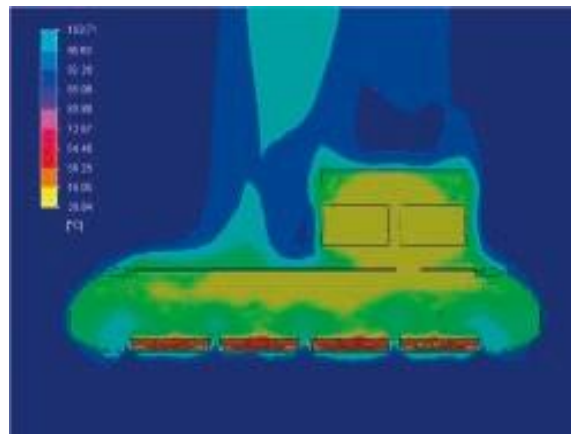
It is essential to consider the wind resistance of the flood lights and their suitability for existing or proposed installation in the outdoors.

Please note that flood lights mounted horizontally on the ground, such as asymmetrical distribution help to reduce wind resistance and allow better control of spill light.

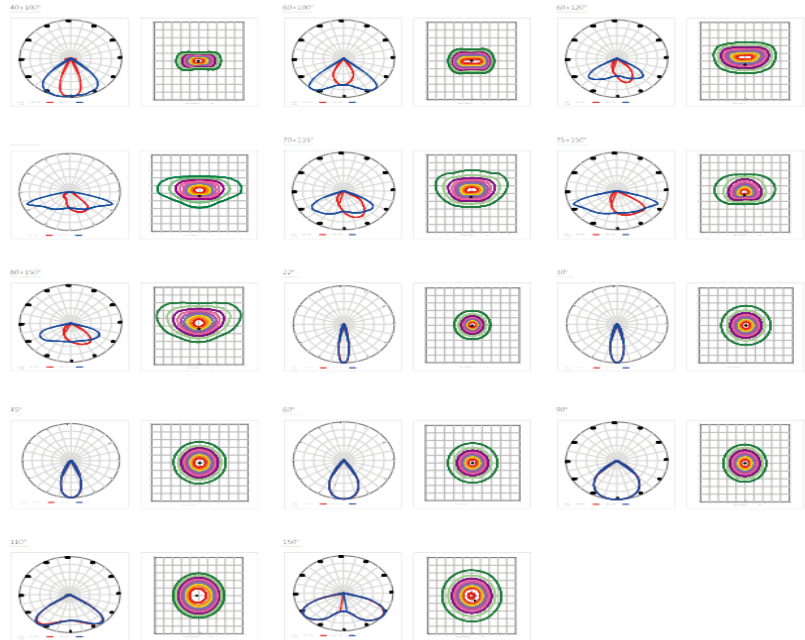


THERMAL OPTIMIZATION

The proprietary thermal efficiency design with passive cooling maximizes heat dissipation to ensure safe operation and good lifetime performance of the luminaire in high temperature environments.

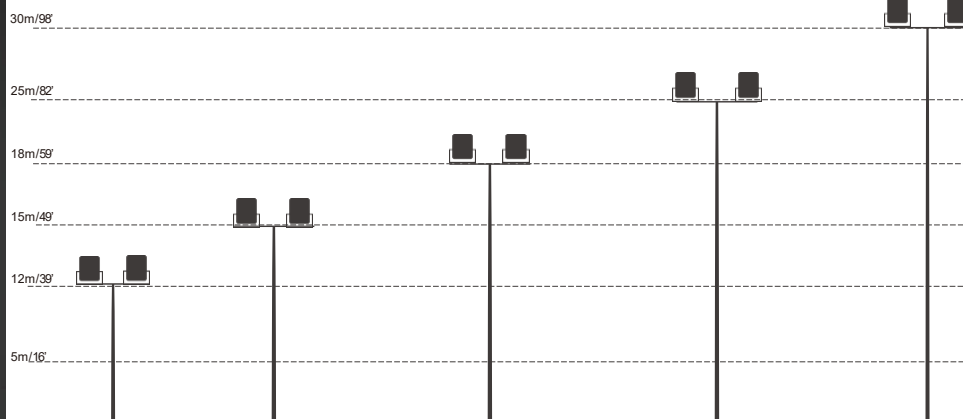


PHOTOMETRICS



INSTALLATION

Safety and simplicity are crucial when installing and maintaining a sport light at great heights. As a complete lighting solution for both outdoor and indoor spaces, it is ideally suited for a large variety of mast configurations, mountings and heights. Featuring a lighter, more compact design and improved thermal management, it is much easier to install.



Universal Bracket

AYBM Bracket Mount

360° Heavy Duty U Bracket

360° Heavy Duty U Bracket + Slip Fitter



Uses and Applications Guide

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Playgrounds

Sports Lighting

Ordering Guide

Model	LED Power	Luminaire	Dimmability	LEDs	Distribution type	LED Color Temp	Driver	Input Voltage	Fixture color	Mounting options	Options
HIGHLIGHT MSL-EDG-S	120W 200W 300W 400W 600W 800W 960W 1200W	FL- Flood light	00-Non Dimmable 01-Dimmable	1-Philips lumiled	01- 60x100° 02- 90° 03- 110° 04- 150° 05- 70x135° 06- 75x150° 07- 40x100° 08- 60x120° 09- 80x150° 10- 22° 11- 30° 12- 45° 13- 60° 14- 65x155°	30K 40K 50K 65K	1- Sosen 2- Inventronics	1- AC 100-277V 2- AC200-480V	GR-Grey BRZ- Bronze	01- Short arm U bracket 02- U bracket, long Axial mount 03- Short arm U bracket , short Axial mount +slip fitter 04- Short arm U bracket , short Axial mount +horizontal arm 05- U bracket edge, long Axial mount+slip fitter 06- U bracket edge, long Axial mount+horizontal arm	00- No motion sensor 01- With motion sensor 02-Photocell 03- Remote control 04- IoT Smart Control