

Retrofit Starting Point - Quick Reference

Solstice Replacement Starting Points When Assessing a Job

When approaching a job, here are some starting points for retrofitting or replacing existing lighting using the Solstice LED Modules.

In some cases, a call to Global Tech LED's office or requesting a photometric layout will help determine if additional LED modules or Lenses are required to meet the customer's expectations. This is because fixture height and spacing and location can effect how to get the best light distribution for the application. However, below is a starting point quick reference for HID replacement using the Solstice LED Modules.

Old HID Bulb	Suggested Replacement LED Module	Output Setting
50W Metal Halide	1x GTSOLM21	30W (LO)
75W Metal Halide	1x GTSOLM21	40W (ML)
75W Incandescent (recessed can)	1x GTSOLM21	30W (LO)
100W Metal Halide	1x GTSOLM21	50W (MH)
150W Metal Halide	1x GTSOLM21	60W (HI)
150W High Pressure Sodium	1x GTSOLM21	60W (HI)
175W Metal Halide	1x GTSOLM21	60W (HI)
250W Metal Halide	1x GTSOL5498	85W (MH)
250W High Pressure Sodium	1x GTSOL5498	85W (MH)
400W Metal Halide	1x GTSOL5498	135W (HO)
400W High Pressure Sodium	1x GTSOL5498	135W (HO)
1000W Metal Halide	1x GTSOL112	360W (HO)
1000W High Pressure Sodium	1x GTSOL112	360W (HO)
1500W Metal Halide	2x GTSOL112	360W (HO)

Photometric Analysis

Due to the customizability of the Solstice LED Modules we recommend getting a photometric analysis of the job before ordering. We offer free photometry and the turn around time is usually no more than 48 hours.

Having a photometric analysis done will tell us the best way to achieve the desired outcome on that job site. It will give a breakdown of how to customize the optics, output settings, tilt angles, and scale for each fixture on the job. This is a useful tool that we want all of our distributors to take advantage of. Having the analysis done ensures an impressive outcome.

For example, there may be an inherent dark spot in a parking lot due to the positions of the existing fixtures. A photometric analysis can tell us that if we apply certain optics on the four surrounding fixtures that it will mitigate that dark spot that has always been there. Photometric analysis is a great tool and should be utilized as much as possible.