

# The Solstice Mini (M21)

## Simply Universal

### Description / About

The Solstice modules are designed to retrofit into almost any HID, fluorescent, etc. fixture. We can articulate our modules and offer a wide array of innovative optics to deliver the light precisely where it's needed. Four way switch-able power options on board. This module also comes with an Energy Saver program that is accessed via a switch on the board.

### Performance

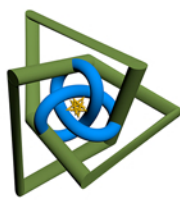
- Available in 30W, 40W, 50W, and 60W
- Efficacy: 98.5 Lm/w
- 333 Lm/in<sup>2</sup>
- 7 available standard color temperature and 4 specialty color outputs
- 5-6-1 energy saver option (built in)
- 9 optical light distribution options – Type II, Type III, Type V
- Operating Temperature: -40°C – +85°C
- Minimum CRI: 70
- IP67 Rated (Optional)
- Smart thermal protection system adjusts current based on self monitoring of temp (Life Sync)

### Rated Lumens Per Setting

- LO – 2,679 Lm
- ML – 3,742 Lm
- MH – 4,594 Lm
- HI – 5,910 Lm

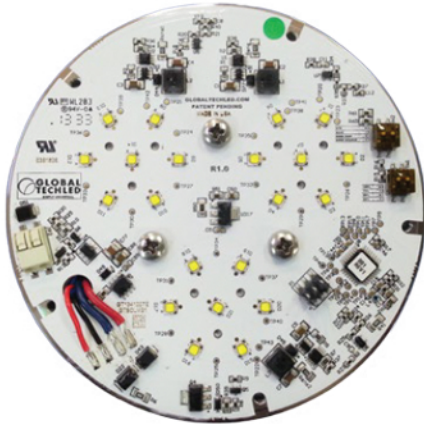


Post Top Retrofit



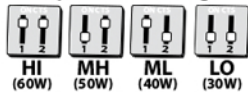
# LEDOLAS

Lighting | Energy | Decontamination



**Solstice Mini  
LED Module**

## GTSOLM21 Dip Switch Settings

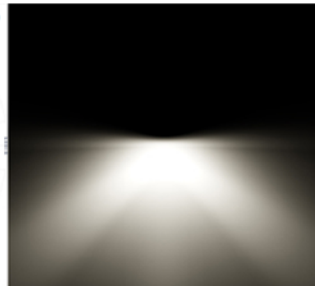
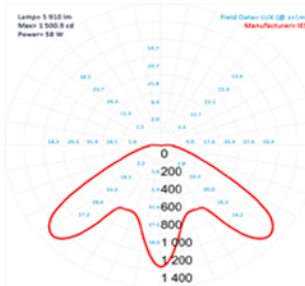


## Function Dip Switch Settings



## LED Module Compatibility

Product	Output Setting	LED Chip Drive Current [mA]	Rated Lumens [lm]	Rated Watts [W]
GTSOLM21 x 1	LO	400	2679	30
GTSOLM21 x 1	ML	500	3742	40
GTSOLM21 x 1	MH	600	4594	50
GTSOLM21 x 1	HI	700	5910	60
GTSOLM21 x 2	LO	400	5358	60
GTSOLM21 x 2	ML	500	7484	80
GTSOLM21 x 2	MH	600	9188	100
GTSOLM21 x 2	HI	700	11820	120
GTSOLM21 x 3	LO	400	8037	90
GTSOLM21 x 3	ML	500	11226	120
GTSOLM21 x 3	MH	600	13782	150
GTSOLM21 x 3	HI	700	17730	180
GTSOLM21 x 4	LO	400	10716	120
GTSOLM21 x 4	ML	500	14968	160
GTSOLM21 x 4	MH	600	18376	200
GTSOLM21 x 4	HI	700	23640	240



## Description:

Global Tech LED's Solstice units are designed to retrofit into almost any HID fixture. We can articulate our units and offer a wide array of innovative optics to deliver the light precisely where it's needed. Four way switch-able power options on board. This unit also comes with an Energy Saver program that is accessed via a switch on the board.

## Key Features:

- Multiple temperature control values. Over temperature protection, shut down at critical temperature and resume operation temperature.
- Soft start
- 0 - 10V Dimming compatible
- 0 - 10V Input port
- Under voltage lockout for power off or brownout.

## Wattage and Energy Selections by Dip Switch:

GTSOLM21 – 30W, 40W, 50W, 60W per Solstice unit.

On board programs selected by Dip Switch:

**STD:** Standard Operation

**SAVE:** 5-6-1 Energy saving program

**Dimm Sink** - Select when using a driver as 10V source for dimmer switch

**Dimm Source** - Select when M21 is used as 10V source for dimmer switch

## Mounting Options:

GTSOLM21 LED Module can be mounted with the following:

- Screw-on yoke
- Bolt-on yoke
- Plate
- Threaded rod
- Post-top finial threaded rod
- Post-top glass refractor.

## Additional Information:

Operating Temperature Range:  
up to +85 degrees Celsius

Photometrics:  
.ies files available

Optics offered for different distributions.  
(Dist. = 120° w/o secondary optics)

Surge Protector:  
- Required for ALL 347V-480V applications in order to qualify for Warranty  
- Recommended for all outdoor applications

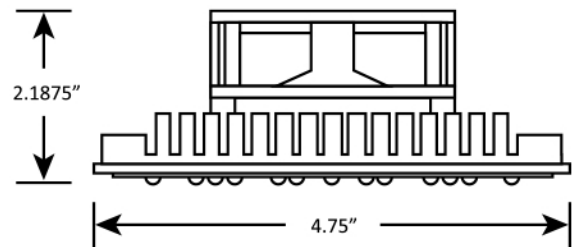
L70 > 150,000Hrs.

Life Sync adjusts module to operate at max performance in any given environment

Warranty: Driver = 5 years  
Solstice Light Engine = 10 years  
Fixture = 10 years

## Accessories

Catalog #	Description
IP67	IP67 Rated LED Engine
GT-LSP-120	Surge Protector. 120 V 10 kA Parallel. 20kA maximum discharge current.
GT-LSP-240	Surge Protector. 240 V 10 kA Parallel. 20kA maximum discharge current.
GT-LSP-277	Surge Protector. 277 V 10 kA Parallel. 20kA maximum discharge current.
GT-LSP-347	Surge Protector. 347 V 10 kA Parallel. 20kA maximum discharge current.
GT-LSP-480	Surge Protector. 480 V 10 kA Parallel. 20kA maximum discharge current.



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