



opulent  
americas



# Luminus UV-C High Power Starboards

Industry Leading High Powered LED Starboards

## Data Sheet

Version 1.0

### Lean & Fast. Made Smarter.

**Superior Performance** – Stay current with the highest intensity LEDs

**Design Faster** – Use industry standard starboards to shorten development time

**Maximum Flexibility** – Design to your exact specifications using Opulent Americas' starboards

**Rapid Innovation** – Work with Opulent Americas on your custom solution

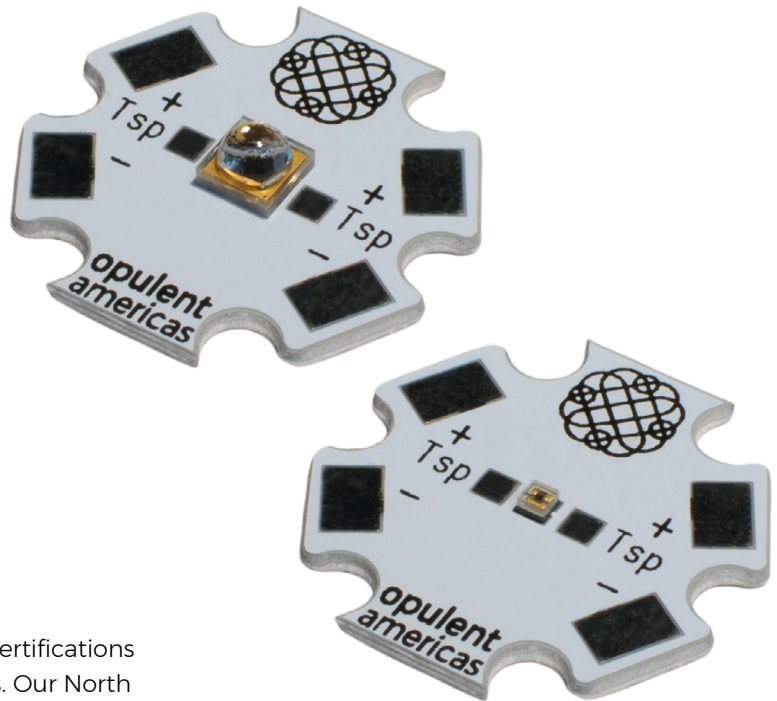
### Primary Applications



Surface Sterilization  
Water Disinfection  
Air Purification  
Skin Therapy  
Florescence Analyzer  
Food Preparation  
Horticulture

### Custom Solutions

Opulent Americas operates facilities globally with ISO certifications for the LED lighting, automotive and medical industries. Our North Carolina based office provides quick engineering & sales support with a R&D lab for prototype development and custom solutions. Our in-house global manufacturing capabilities allow for both building in the United States as well as overseas at scale.



### About Opulent Americas

Opulent Americas accelerates the adoption of LED technology through simple, modular products and custom designs. Through 30 years of experience, state of the art manufacturing, full traceability and advanced quality controls, Opulent offers leading solid state lighting components, modules and custom solutions. Opulent customers get to market faster, with less resources, at lower costs. Visit [opulent-americas.com](http://opulent-americas.com) for more information.



#### WARNING

##### UV LIGHT

Do not look into the light emitting from these LEDs as it is harmful to the human eye. Eye injury may result. Use skin and eye protection as necessary.

# Luminus High Power Starboards

## Product Selection Table

Part Number	Beam Angle (°)	Color	Typical Wavelength Range	Typical Flux (mW)	Typical Forward Voltage (Vf)	Typical Watts (W)
LST1-01G06-UV01-01 <sup>(1)</sup>	150	UV	280-286nm	2.6	5.2	0.10
LST1-01G07-UV01-01 <sup>(2)</sup>	60	UV	275-286nm	45	6.45	2.26

<sup>(1)</sup>Flux, wavelength, and wattage values specified at 20mA, Tj 25°C

<sup>(2)</sup>Flux, wavelength, and wattage values specified at 350mA, Tj 25°C

All values shown above are typical.

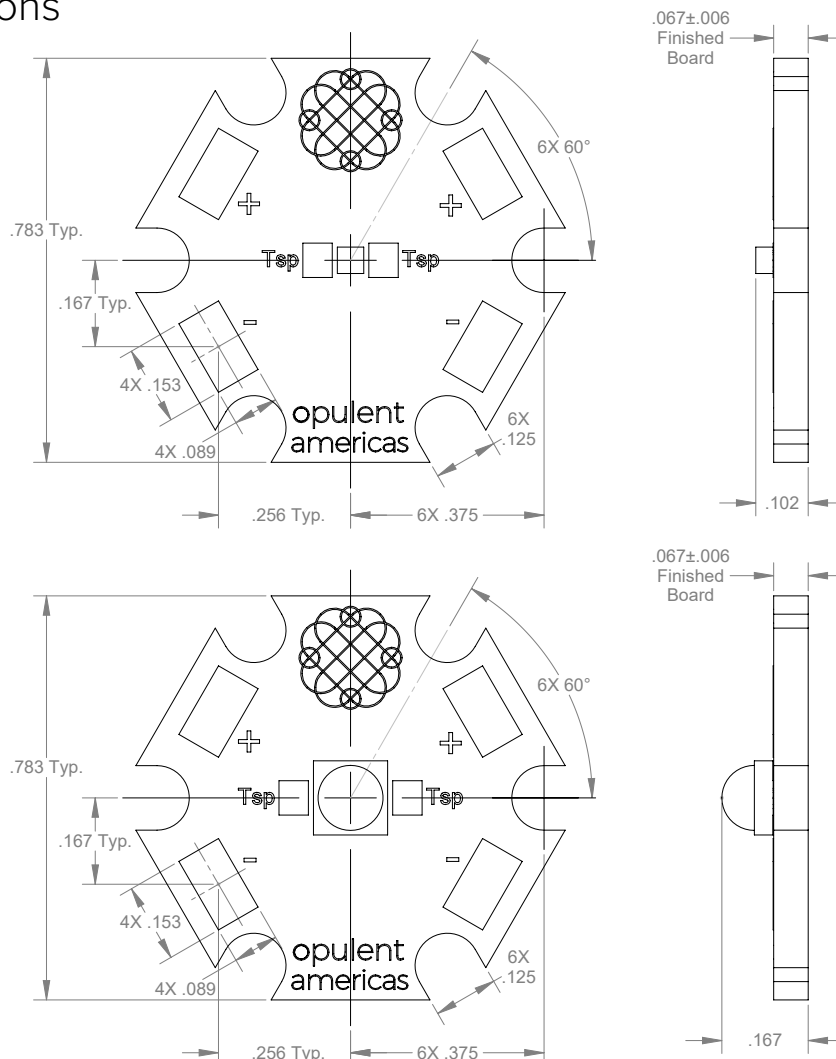
Do not look into the light that is emitting from these LEDs as it is harmful to the human eye.

Eye injury may result. Use skin and eye protection as necessary.

## Maximum Ratings

Part Number	DC Current (mA)	Forward Voltage (V)	Tsp Temp (°C)	Power (W)
LST1-01G06-x	40	7.0	105	0.28
LST1-01G07-x	500	7.5	105	3.75

## Dimensions



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

New Energy:

[LST1-01G06-UV01-01](#) [LST1-01G07-UV01-01](#) [LST1-01G06-UV02-01](#)