

## LED Module - UV-C Linear

Power of Luminus in standard and custom LED modules

## Data Sheet

Version 1.1

### Lean & Fast. Made Smarter.

**Design Faster** – use standard modules to shorten development time

**Superior Performance** – stay current with the top flux bin LEDs

**Maximum Flexibility** – use off-the-shelf optics and drivers

**Innovation** – work with NewEnergy on your custom solution

### Primary Applications



Surface Sterilization

Water Disinfection

Air Purification

Skin Therapy



Florescence Analyzer

Food Preparation

Horticulture



### Superior Performance in Standard & Custom Modules

- Emission wavelength between 275nm and 285nm
- LED viewing angle of 130°
- Designed for LEDiL Violet 12up UV optic
- Talk to NewEnergy about your custom or private label designs

### Custom Solutions

NewEnergy 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 NewEnergy

NewEnergy 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, NewEnergy offers leading solid state lighting components, modules and custom solutions. NewEnergy customers get to market faster, with less resources, at lower costs. Visit [New-EnergyLLC.com](http://New-EnergyLLC.com) for more information.



- LEDiL Violet Optic

- NewEnergy LED Module



#### 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.



#### ATTENTION

OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

**RoHS**

Last Modified: 01/26/2021

# LED Module Specifications - UV-C Linear

## Product Selection Table<sup>(1,2)</sup>

Part Number	Typical Wavelength Range	Radiant Flux (mW)		Watts (W)	
		Typical At 700mA	Typical At 1000mA	Min	Max
LSB1-12G08-UV01-00	275-280nm	480	670	21.0	41.0
LSB1-12G08-UV02-00	280-285nm	480	670	21.0	41.0

<sup>(1)</sup> Product performance based on the typical luminous flux at Tc = 25°C.

<sup>(2)</sup> NewEnergy may ship modules in flux bins higher than the values specified by the order code without advance notice. Shipments will always adhere to the chromaticity bin restrictions specified by the order code.

## Order Code Formatting

Series	-	LED Count	LED Code	-	Color	Internal Code	-	Internal Code
LSB1 - Standard Linear LED PCB Assembly		12 - 12 LEDs	G08 - Luminus XBT-3535-UV		UV - Ultraviolet	XX		XX

## Electrical Characteristics

Part Number	Forward Voltage (V)		Typical Thermal Resistance - Junction to Solder Point (K/W) RTh J-HS
	Min	Max	
LSB1-12G08-x	30	41	5.0

## Maximum Ratings

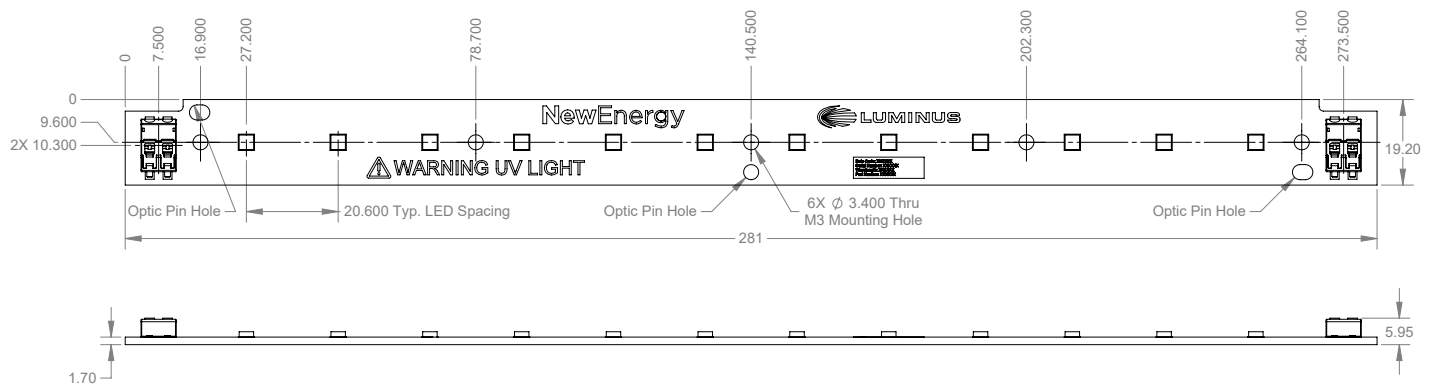
Part Number	DC Current (A)	Tsp Temp (°C) @1000mA	Tsp Temp (°C) @350mA	Power (W)
LSB1-12G08-x	1.0	70	88	41

## Board Material Properties

Property	Value	Unit
Solder Mask Color	White	-
Thickness	.062	in
Construction	AL	-
Temperature	130	°C
Flame Rating	V-0	-
Copper Thickness	2	oz

# LED Module Specifications - UV-C Linear

## Mechanical Dimensions



1. Single Poke-In Connectors accept 18-24 AWG solid or stranded wire
2. Recommended Mounting Hardware: 6x M3-.5 Socket Head Cap Screws

## Schematic

