

LED Module - UV-C Linear

Power of Luminus in standard and custom LED modules

Data Sheet

Version 1.2

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 270nm and 280nm
- LED viewing angle of 130°
- Designed for LEDiL Violet 12up UV optic
- Board can be used in daisy chain configurations
- 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 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.

	ATTENTION
	OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

RoHS

Last Modified: 06/22/2023

LED Module Specifications - UV-C Linear

Product Selection Table^(1,2)

Part Number	Typical Wavelength Range	Radiant Flux (mW)		Watts (W)	
		Typical At 700mA	Typical At 1200mA	Min	Max
LSB1-12G08-UV01-00	275-280nm	480	810	21	49
LSB1-12G08-UV02-00	270-280nm	480	810	21	49

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

⁽²⁾ 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

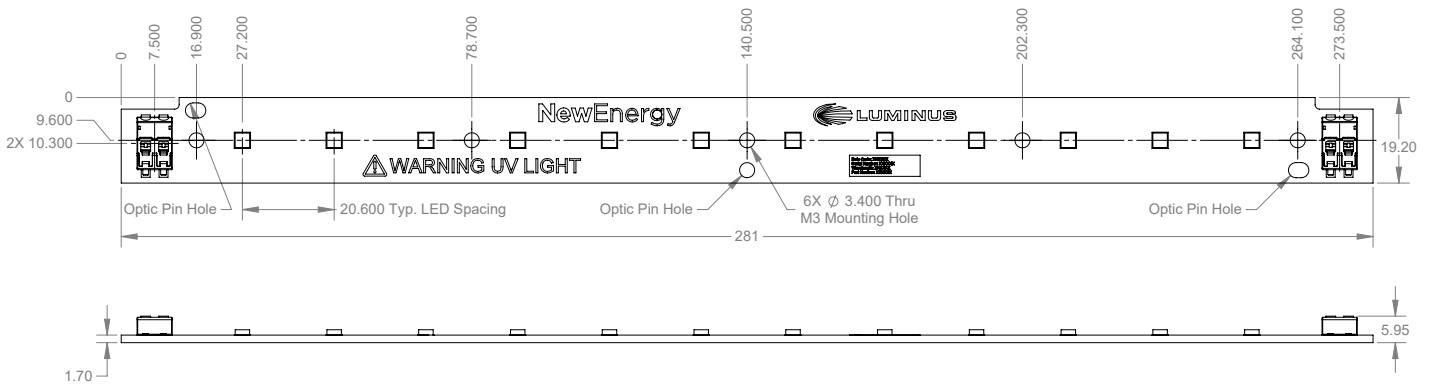
Part Number	DC Current (A)	Tsp Temp (°C) @1200mA	Tsp Temp (°C) @350mA	Power (W)
LSB1-12G08-x	1.2	70	88	49

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

Schematic

