LUMILEDS LUXEON HL2X Starboards

Industry Leading High Powered LED Starboards

Data Sheet

Version 1.0

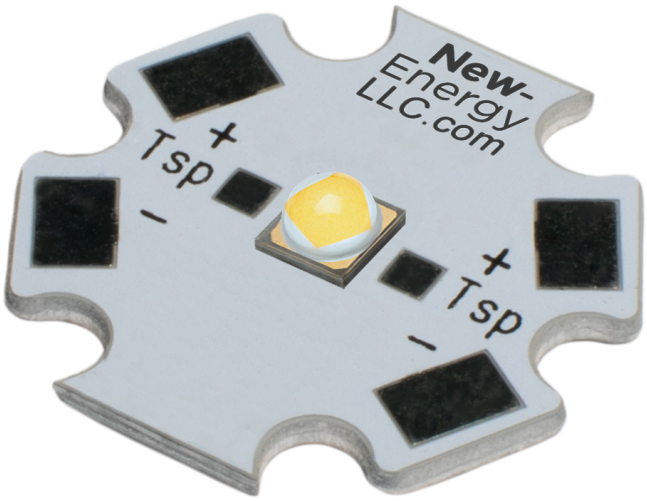
Lean & Fast. Made Smarter.

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 the full spectrum of NewEnergy starboards

Rapid Innovation – Work with NewEnergy on your custom solution



Primary Applications

Sports	Outdoor
Office	Retail
Roadway	Specialized
Industrial	Wall Wash
Downlight	Indoor Area

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 an 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.

RoHS CE

Last Modified: 01/18/2024

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Product Selection Guide

Part Number	CRI	CCT	Typical Luminous Flux (mW)	Typical Efficacy (lm/W)
LST1-01H10-2770-01	70	2700K	280	141
LST1-01H10-3070-01	70	3000K	292	147
LST1-01H10-3570-01	70	3500K	310	156
LST1-01H10-4070-01	70	4000K	318	161
LST1-01H10-5070-01	70	5000K	323	163
LST1-01H10-5770-01	70	5700K	325	164
LST1-01H10-6570-01	70	6500K	321	162
LST1-01H10-3080-01	80	3000K	278	136
LST1-01H10-4080-01	80	4000K	301	141
LST1-01H10-5780-01	80	5700K	302	146
LST1-01H10-3090-01	90	3000K	246	131
LST1-01H10-4090-01	90	4000K	259	136
LST1-01H10-5790-01	90	5700K	267	141

Flux and wattage values specified at 700mA, T_j 85°C
All values shown above are typical.
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.

Electrical / Thermal / Optical Characteristics

Part Number	Typical Viewing Angle	Maximum Tsp Temp (°C)	DC Current (A)		Forward Voltage (V)		Watts (W)	
			Typical	Maximum	Typical	Maximum	Typical	Maximum
LST1-01H10-x	120°	105	2.0	2.0	2.83	3.00	1.98	6.0

Mechanical Dimensions (Units: Inches)