

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

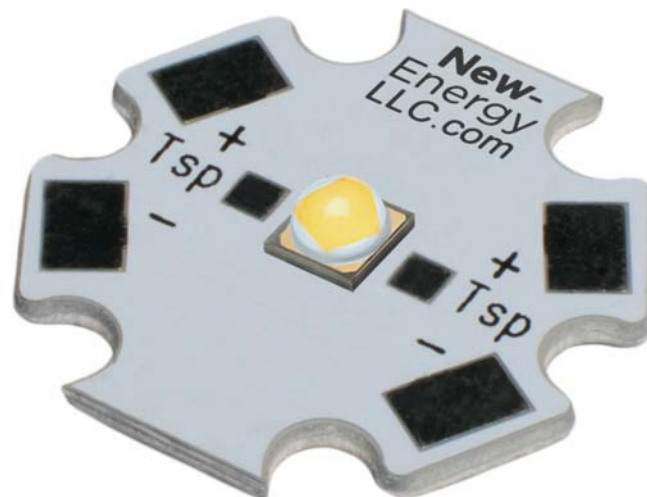
Rapid Innovation – Work with NewEnergy on your custom solution

Primary Applications



Sports
Office
Roadway
Industrial
Downlight

Outdoor
Retail
Specialized
Wall Wash
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.



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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)

