

## Cree XHP35.2 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 NewEnergy starboards

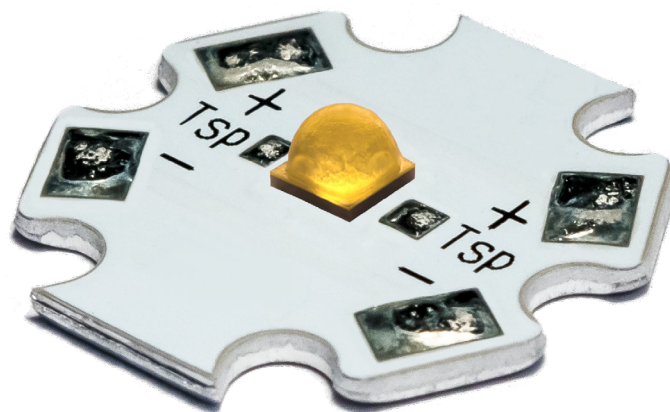
**Rapid Innovation** – Work with NewEnergy on your custom solution

### Primary Applications



Horticulture  
Entertainment  
Stage/concert  
Spot lighting  
Architectural

Canopy  
Garage  
Portable  
High bay



### 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.



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE DEVICES

**RoHS** 

# Cree XHP35.2 Starboards

## Product Selection Table

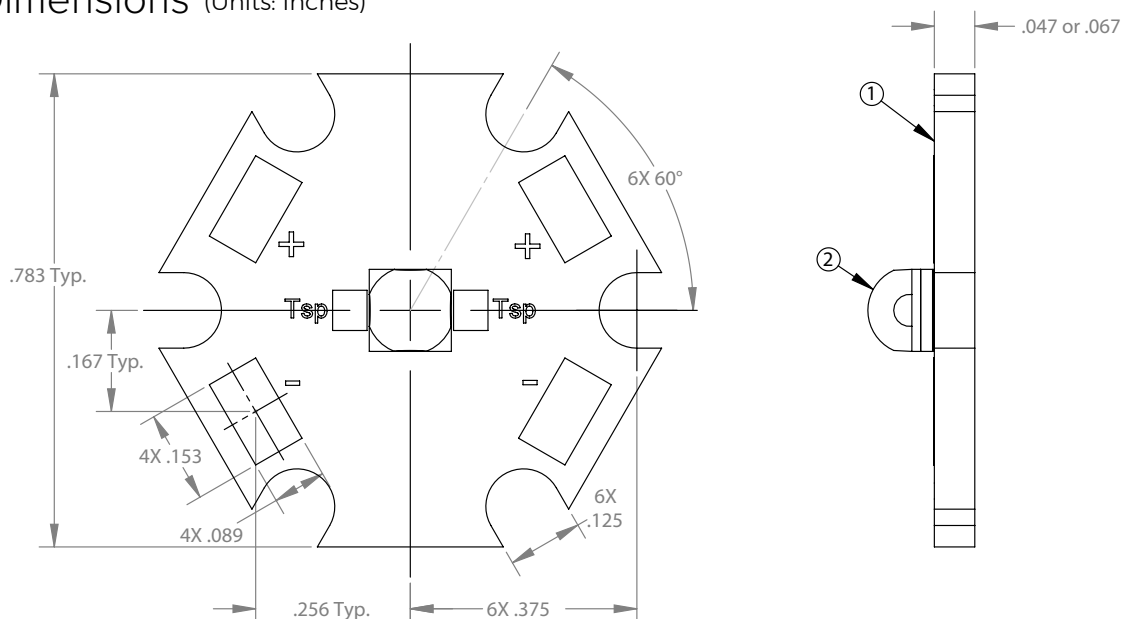
Part Number	CCT	CRI	Luminous Flux (lm)		Efficacy Nominal (lm/W)	Watts (W)	
			Nominal 350mA	Max 1050mA		Nominal	Max
LST1-01C48-2780-01	2700K	80	475	1157	121	4	12.5
LST1-01C48-2790-01	2700K	90	410	998	105	4	12.5
LST1-01C48-3070-01	3000K	70	550	1339	140	4	12.5
LST1-01C48-3080-01	3000K	80	510	1242	130	4	12.5
LST1-01C48-3570-01	3500K	70	590	1436	151	4	12.5
LST1-01C48-3580-01	3500K	80	550	1339	140	4	12.5
LST1-01C48-4070-01	4000K	70	590	1436	151	4	12.5
LST1-01C48-4080-01	4000K	80	550	1339	140	4	12.5
LST1-01C48-5070-01	5000K	70	590	1436	151	4	12.5
LST1-01C48-5080-01	5000K	80	550	1339	140	4	12.5
LST1-01C48-5770-01	5700K	70	590	1436	151	4	12.5
LST1-01C48-5780-01	5700K	80	550	1339	140	4	12.5

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 (A)	Forward Voltage (V)	Tsp Temp (°C)	Power (W)
LST1-01C48-x	1.05	11.9	105	12.5

## Dimensions (Units: Inches)



# Mouser Electronics

Authorized Distributor

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

## New Energy:

[LST1-01C48-4080-01](#) [LST1-01C48-2790-01](#) [LST1-01C48-5070-01](#) [LST1-01C48-5080-01](#) [LST1-01C48-3580-01](#)  
[LST1-01C48-3070-01](#) [LST1-01C48-5770-01](#) [LST1-01C48-5780-01](#) [LST1-01C48-3080-01](#) [LST1-01C48-3570-01](#)  
[LST1-01C48-4070-01](#) [LST1-01C48-2780-01](#)