

# Cree JR5050 30V 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

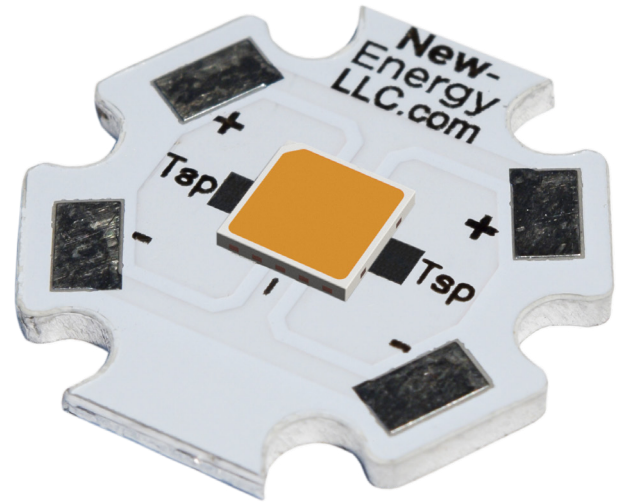
**Maximum Flexibility** - Design to your exact specifications using NewEnergy starboards

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

## Primary Applications



Horticulture	Canopy
Entertainment	Garage
Stage/concert	Portable
Spot lighting	High bay
Architectural	



## 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.

# Cree JR5050 30V Starboards

## Product Selection Table

Part Number	CCT	CRI	Luminous Flux (lm)		Efficacy Nominal (lm/W)	Watts (W)	
			Nominal 80mA	Max 240mA		Nominal	Max
LST1-01C48-30V-2770-01	2700K	70	412	927	181	2.27	7.6
LST1-01C48-30V-2780-01	2700K	80	389	875	171	2.27	7.6
LST1-01C48-30V-3070-01	3000K	70	433	974	191	2.27	7.6
LST1-01C48-30V-3080-01	3000K	80	404	909	178	2.27	7.6
LST1-01C48-30V-3570-01	3500K	70	440	990	194	2.27	7.6
LST1-01C48-30V-3580-01	3500K	80	415	934	183	2.27	7.6
LST1-01C48-30V-4070-01	4000K	70	455	1024	200	2.27	7.6
LST1-01C48-30V-4080-01	4000K	80	425	956	187	2.27	7.6
LST1-01C48-30V-5070-01	5000K	70	455	1024	200	2.27	7.6
LST1-01C48-30V-5080-01	5000K	80	425	956	187	2.27	7.6
LST1-01C48-30V-5770-01	5700K	70	455	1024	200	2.27	7.6
LST1-01C48-30V-5780-01	5700K	80	425	956	187	2.27	7.6
LST1-01C48-30V-6570-01	6500K	70	455	1024	200	2.27	7.6
LST1-01C48-30V-6580-01	6500K	80	425	956	187	2.27	7.6

All values shown above are typical @25°C.  
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)
LST1-01C48-6V-x	0.24	31.7	105	7.6

## Dimensions

(Units: Inches)

