



opulent
americas

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

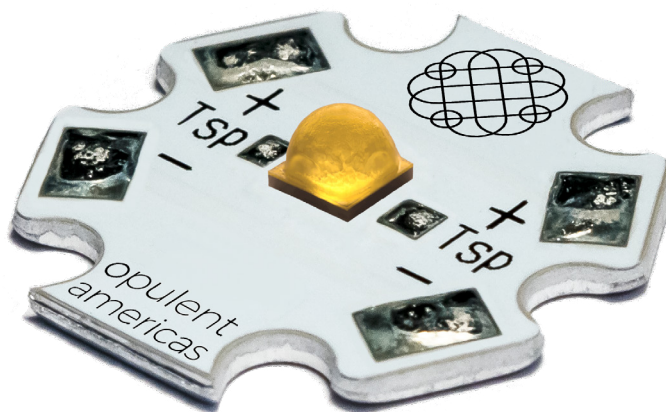
Maximum Flexibility – Design to your exact specifications using Opulent Americas' starboards

Rapid Innovation – Work with Opulent Americas on your custom solution

Primary Applications



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



Custom Solutions

Opulent Americas 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 Opulent Americas

Opulent Americas 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, Opulent offers leading solid state lighting components, modules and custom solutions. Opulent customers get to market faster, with less resources, at lower costs. Visit opulent-americas.com for more information.

RoHS CE **CREE** LEDs

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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

