

FACT SHEET



"Lighting the future of America"

LED North America Thermal Foam High Bay Luminaire Preliminary Data Sheet

The Thermal Foam High Bay luminaire is smallest, lightest, and brightest commercial lighting solution available. Employing our exclusive graphite foam technology, we have been able to design this luminaire to deliver superior thermal management without the traditional heavy aluminum heat sinks used by other manufacturers. This allows us to eliminate most of the weight and downsize internal components. The heart of the luminaire is our patented LED module. This module is comprised of a small LED board populated with 20 High Power Cree XML LEDs, our graphite foam, and a flared pinned heat sink. The weight of this module is less than 2 pounds, yet delivers an astounding 8,500 usable lumens. Based on customer requirement, we can customize this fixture with 1, 2, 3, or 4 modules - offering actual target lumens of 8,500/17,000/25,500/34,000 respectively.

This product will be available Q1 2012. We are accepting pre-production orders. The warranty will be 10 years.

Product Features

Power Consumption	93 W per module
Operating Voltage	100-277 VAC standard Up to 480 VAC custom
Color Temperature	Cool White 5500K
Target Lumens	8500 per module
Luminous Efficacy	92 lm/w
Color Rendering Index	85
Beam Angle	Round, Type V
Life Time / Warranty	10 Years
Dimension	TBD
Ratings Projected	IP65, UL, ETL

- Graphite Foam Thermal Management ensures extended component life
- High powered Cree XML LED module
- Customized power drives to accommodate different mounting heights
- No UV or IR light radiation
- 100V~277V AC input for worldwide operation
- Wide operation temperature range (-30°C to +50°C) suitable for all ambient conditions

This luminaire is a new product being developed by LED North America, as such, all data contained in this fact sheet preliminary in nature and could change upon product development.

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