

## High Power LED Light Engine Module

# TRIANGLE

**AB2012** - Luxeon Rebel ES

## FEATURES

### Design Flexibility

- Easily interchangeable; replace single module instead of entire panel or fixture.
- Full interconnectivity with all LEDLinX products whether the same or different geometries.
- High-reliability LED sources.
- Multiple configurable optic options.
- Efficient thermal design:
  - Strategically placed LEDs
  - FR4 board with plated vias
  - Full 2 oz. copper board
- CRI 70

### Ease of Manufacturing

- Fixed form factor ensures that your products are not forced into obsolescence.
- Convenient and multiple mounting points allow for a variety of mounting options within a luminaire.
- Solder-free, press-fit connectors are durable, reliable and resistant to vibration and temperature fluctuations - available separately.
- Continuous perimeter connectivity allows connection from anywhere on the luminaire.
- Convenient stab-in connectors provided.

### Reliability

- Ten (10) year limited warranty
- L70 > 100,000
- Approvals – ETL Recognized Component
- Complies with to UL 8750
- Suitable for DLC & Energy Star listed luminaires
- RoHS Compliant



High Power Circle  
**AB2012** - Luxeon Rebel ES  
 7W - 30W per module

## APPLICATIONS

- Parking garage or other outdoor applications where bi-level dimming may be desired.
- Odd shaped fixtures.

Note: All specifications are subject to change without notice.

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## PRODUCT CHARACTERISTICS

Parameters		Attributes
PCB		FR4
Finish		White
Size	Single Module	Triangle - 7" x 6"
	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)
Source Type		Luxeon Rebel ES
LEDs per Module		21
Mounting Holes		6
Connector	On Board	WAGO 2060
	Perimeter	LEDLinX® proprietary
Typical CCT		5200K
Typical CRI		70
Tp Maximum Temperature		90°C
Binning: Target CCT's per ANSI #C78.377-2008		

HIGH POWER TRIANGLE

## ELECTRICAL CHARACTERISTICS

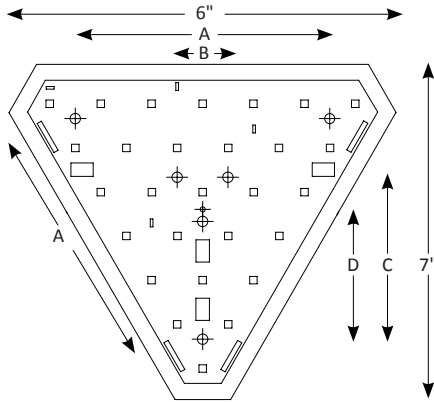
One (1) Module Constant Current Driver			
Current	Lumens(Lm)	Input watts(W)	Efficacy(Lm/W)
350mA	876	6.87	127.6
550mA	1333	11.00	121.2
700mA	1650	14.16	116.5
1000mA	2246	20.67	108.7
1400mA	2985	29.78	100.2

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Min	Max
Storage Temperature (°C)	-40°C	135°C
Tp Temperature (°C)	-40°C	90°C

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## DIMENSIONS

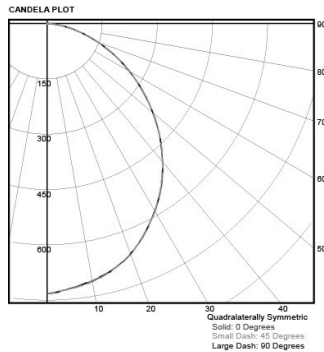


		EXTERNAL DIMENSION	
		Single Module	Triangle - 7" x 6"
Size	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)	
	MOUNTING DIMENSIONS		
	A	4.6" (117 mm)	
	B	.91" (23 mm)	
	C	2.95" (75 mm)	
	D	2.13" (54 mm)	

## PHOTOMETRIC INFORMATION

- Available options:
  - None
- Photometric files available on request.

### Single Card - No Optics



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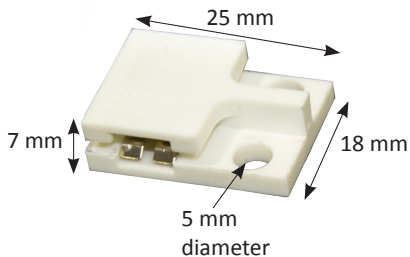
## ORDERING GUIDE

T	-	H	-	07	-	21	-		-
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Shape	Power	Size Code	Number of LEDs	Color Temperature	Tile Layout
T = Triangle	H = High Power	07 = 7" hypotenuse	21 = 21 LEDs per Module	5200 = 5200K 4000 = 4000K 3500 = 3500K	011 = 1x1 Module 012 = 1x2 Tile

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## LEDLinX CONNECTOR



### ConneX-1

The LEDLinX® proprietary connector attaches any board geometry to another board of any configuration without wires. It makes assembly quick and easy and allows individual LED board replacement if ever required.