

High Power LED Light Engine Module

RECTANGLE

AB0051 - Luxeon Type T

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
- Highest CRI

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 Rectangle
AB0051 - Luxeon Type T
7W - 28W per module

APPLICATIONS

- High lumen / CRI requirements
- High bay lighting
- Low bay lighting
- Aisle lighting
- Can replace up to a 1000W HID when multiple modules are used.

Note: All specifications are subject to change without notice.

RECTANGLE

AB0051 - Luxeon Type T

PRODUCT CHARACTERISTICS

Parameters		Attributes
PCB		FR4
Finish		White
Size	Single Module	3.75" x 6.00" (9.25 cm x 15.24 cm)
	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)
	Tiled Set (3 connected modules)	15.31" x 6.00" (38.89 cm x 15.24 cm)
Source Type		LUXEON Type T
LEDs per Module		14
Mounting Holes		11
Connector	On Board	WAGO 2060
	Perimeter	LEDLinX® Proprietary
Typical CCT		5000K
Typical CRI		80
Tp Maximum Temperature		90 °C
Binning: Target CCT's per ANSI #C78.377-2008		

HIGH POWER RECTANGLE

ELECTRICAL CHARACTERISTICS

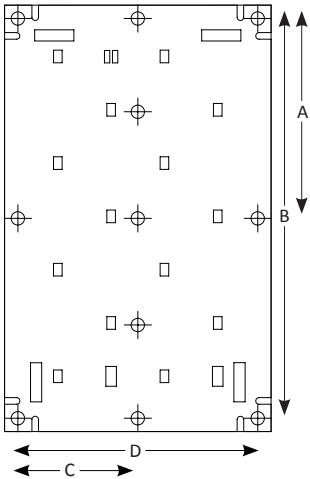
One (1) Module Constant Current Driver			
Current	Lumens(Lm)	Input watts(W)	Efficacy(Lm/W)
350mA	1060	6.73	157
550mA	1607	10.69	150
700mA	1995	13.71	145
1050mA	2838	20.89	135
1400mA	3616	28.29	127
Dimming Option			
Dimming		0 - 10V	

ENVIRONMENTAL CHARACTERISTICS

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

Note: All specifications are subject to change without notice.

DIMENSIONS

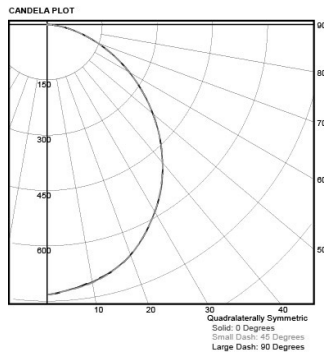


		EXTERNAL DIMENSION		
Size	Single Module	3.75" x 6.00" (9.25 cm x 15.24 cm)		
	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)		
			MOUNTING DIMENSIONS	
		A	2 21/32"	
	B	5 5/8"		
	C	1 19/32"		
	D	3 3/8"		

PHOTOMETRIC INFORMATION

- Available options:
 - 60° Beam Angle
 - *30° Beam Angle
 - Batwing
 - *Type III
 - *Type IV
- Photometric files available on request
- * Consult Factory

Single Card - No Optics



RECTANGLE

AB0051 - Luxeon Type T

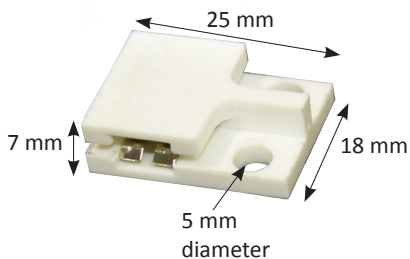
ORDERING GUIDE

R	-	H	-	46	-	14	-		-	
----------	---	----------	---	-----------	---	-----------	---	--	---	--

Shape	Power	Size Code	Number of LEDs	Color Temperature	Tile Layout
R = Rectangle	H = High Power	46 = 4" x 6"	14 = 14 LEDs per Module	5200 = 5200K 4000 = 4000K 3000 = 3000K	011 = 1x1 Module 013 = 1x3 Panel

HIGH POWER RECTANGLE

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.