

## Mid Power LED Light Engine Module

# LINEAR - Double Row

AB1045 - LG 6030

### FEATURES

#### Design Flexibility

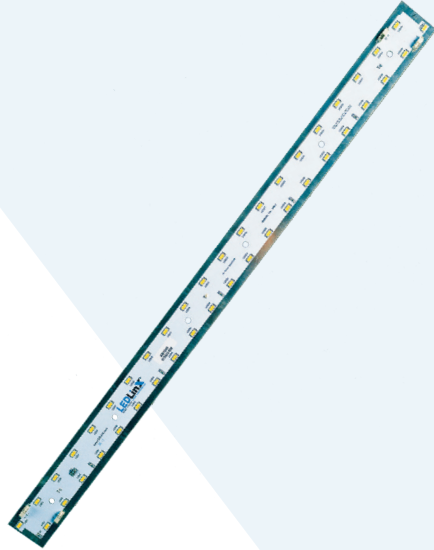
- Easily interchangeable; replace single module instead of entire panel or fixture.
- Full interconnectivity with all LEDLinX products whether the same or different geometries.
- High-reliability LED sources.
- Efficient thermal design:
  - Strategically placed LEDs
  - FR4 board with plated vias
  -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



Mid Power Linear  
**AB1045** - LG 6030  
11W - 25W per module

### APPLICATIONS

- Strip lighting
- Troffer
- Linear luminaire
- Cove lighting
- Under cabinet lighting
- Replaces T5 and T8 applications. Two (2) modules replace a 48" linear fluorescent lamp.

Note: All specifications are subject to change without notice.

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## PRODUCT CHARACTERISTICS

Parameters		Attributes
PCB		FR4
Finish		White
Size	Single Module	22.5" x 1.5" (57.15 cm x 3.81 cm) 23.5" x 1.5" (59.69 cm x 3.81 cm)
	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)
Source Type		LG 6030
LEDs per Module		42
Mounting Holes		6
Connector	On Board	WAGO 2060
	Perimeter	LEDLinX® proprietary
Typical CCT		4000K
Typical CRI		80
Tp Maximum Temperature		90°C
Binning: Target CCT's per ANSI #C78.377-2008		

MID POWER LINEAR

## ELECTRICAL CHARACTERISTICS

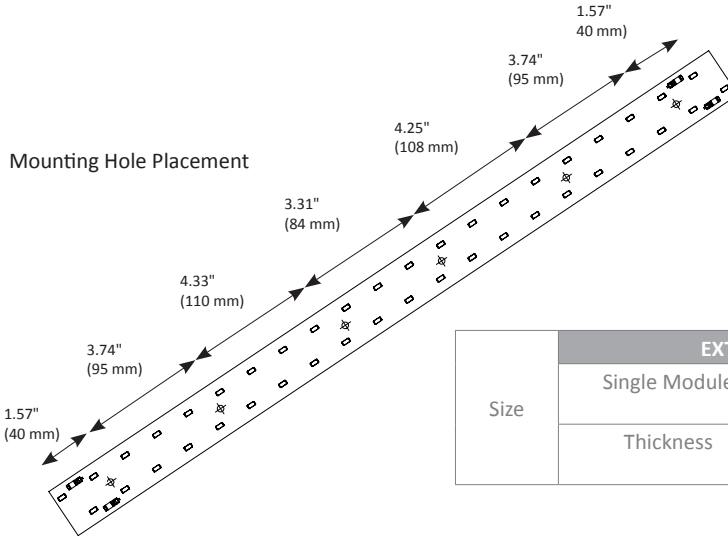
One (1) Module Constant Current Driver			
Current	Lumens(Lm)	Input watts(W)	Efficacy(Lm/W)
550mA	1390	11.3	122
700mA	1727	14.7	117
1050mA	2457	22.8	107
Dimming Option			
Dimming		0 - 10V	

## ENVIRONMENTAL CHARACTERISTICS

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

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## DIMENSIONS

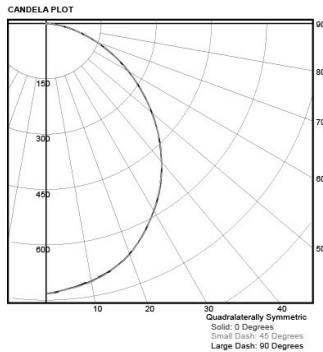


EXTERNAL DIMENSION		
Size	Single Module	22.5" L x 1.5" W (57.15 cm x 3.81 cm)
	Thickness	PCB = .0615" (1.56 mm) Total = 0.24 (6.10 mm)

## PHOTOMETRIC INFORMATION

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

### Single Card - No Optics



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## ORDERING GUIDE

<b>L</b>	-	<b>M</b>	-	-	<b>42</b>	-	-
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**Shape**

L =  
Linear

**Power**

M = Mid Power

**Size Code**

22 = 22.5"  
23 = 23.5"

**Number of LEDs**

42 = 42 LEDs per Module

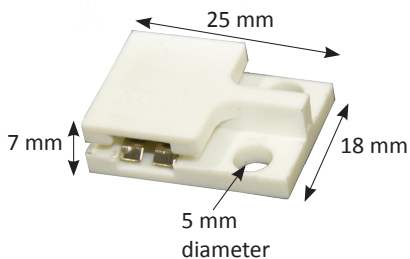
**Color Temperature**

5200 = 5200K  
4000 = 4000K  
3500 = 3500K  
3000 = 3000K

**Tile Layout**

011 = 1x1 Module  
110 = 1x10 Tile

## 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.