

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Unique torsion spring and friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for 50,000 hours.

**CONSTRUCTION** — Aluminum die cast reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

**OPTICS** — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 or 100W BR30 lamp.

Wide flood beam angle at >45°. Utilizes 3000 K color temperature LEDs. CRI - 83.

**ELECTRICAL** — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 15%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

620-lumen P series has an input wattage of 8.9 watts, 70 lumens per watt, equivalent to 65-watt incandescent.

P Series' patent pending driver has zero inrush, which allows power loads to be calculated with actual rated wattages.

Example: 67 units of 6BPMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/8.9W = 67.4 fixtures.

950-lumen P series has an input wattage of 15.2 watts, 63 lumens per watt, equivalent to 100-watt incandescent.

\*Actual wattage may differ by +/-5% when operating at 120V +/-10%.

**INSTALLATION** — Suitable for installation in standard and shallow-height rough-in sections.

E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance.

Twin torsion springs ensure easy installation.

Friction clips included to allow fitment into cans without torsion brackets from an inside diameter of 6.0" to 7.0".

**LISTINGS** — CSA certified to US and Canadian safety standards. ENERGY STAR® qualified; California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings).

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

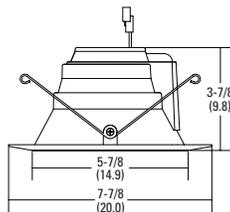
Note: Specifications subject to change without notice.

**Patents pending.**

### Specifications

Aperture:	5 7/8 (14.91)
Ceiling opening:	as rough-in
Overlap trim:	7-5/8 (19.4)
Height:	3-7/8 (9.8)

All dimensions are inches (centimeters) unless otherwise indicated.



Catalog Number
Notes
Type

LED Recessed Downlighting

# 6BP 6" LED Module

IC/Non-IC  
Retrofit



Torsion mount shown



Friction clip shown  
(included)



E26 adaptor  
(included)



Splice kit  
(included)

### ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

**Example: 6BPMW LED L7XLED T24**

6BPMW				Lamps/Lumens <sup>1</sup>		Color temperature		Voltage		Options			
Series/Finish													
<b>6BP</b>	6" Baffle LED module	<b>MW</b>	Matte white	LED	8.9W, 620 lumens	<b>(blank)</b>	3000 K	<b>(blank)</b>	120V	<b>L7XLED T24<sup>2</sup></b>	New Construction Rough-In LED Base	L7XP <sup>3</sup>	New construction shallow rough-in
				HL LED	15.2W, 950 lumens					<b>L7XRLED T24<sup>2</sup></b>	Remodel Rough-In LED Base	L7XPR <sup>3</sup>	Remodel shallow rough-in
										<b>LC6LED T24<sup>2</sup></b>	New Construction Rough-In LED Base	<b>LC6<sup>3</sup></b>	New construction rough-in
										<b>L7X<sup>3</sup></b>	New construction rough-in	<b>LCP<sup>3</sup></b>	New construction shallow rough-in
										<b>L7XR<sup>3</sup></b>	Remodel rough-in		

**Accessories:** Order as separate catalog number.

TSA6	Makes non-bracket housing compatible with the LED module; ships as units, J6 or J25
FL2LED	Makes L7XF housings compatible with the LED module

### Notes

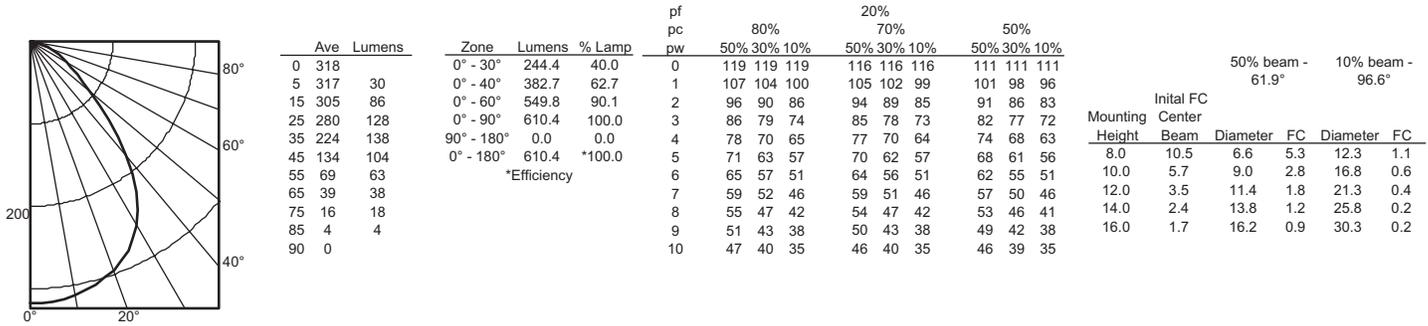
- Total system delivered lumens.
- LED module ships less E26 adaptor and hardware kit.
- Must be ordered on separate line.

# 6" LED Module - ENERGY STAR®

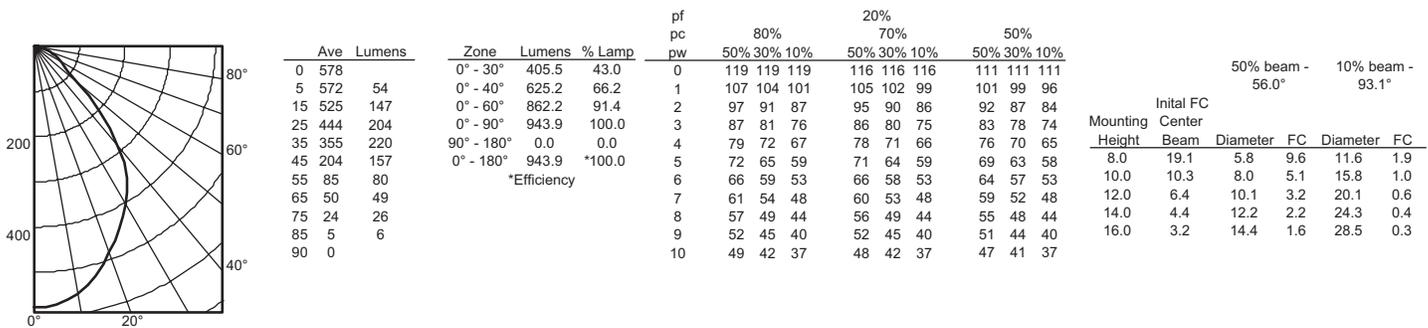
## PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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**6BPMW LED, 3000 K LEDs, input watts: 8.9, delivered lumens: 620, LM/W=70 , test no. LTL21369, tested in accordance with IESNA LM 79-08**



**6BPMW HL LED, 3000 K LEDs, input watts: 15.2, delivered lumens: 950, LM/W=63 , test no. LTL23864, tested in accordance with IESNA LM 79-80**



## ADDITIONAL DATA

ENERGY DATA* - 600 LUMENS	
Lumens	620
Min. starting temp	-18°C (0°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Min. power factor	0.80
Input frequency	50/60 Hz
Rated wattage	8.9W
Input power	8.9W
Input current	.08A

ENERGY DATA* - 900 LUMENS	
Lumens	950
Min. starting temp	-18°C (0°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards
Input voltage	120V
Min. power factor	0.80
Input frequency	50/60 Hz
Rated wattage	15.2W
Input power	15.2W
Input current	.13A

\*Values at non-dimming line voltage.

\*Values at non-dimming line voltage.



# 6" LED Module - ENERGY STAR®

COMPATIBLE DIMMER SWITCHES		
Manufacturer	Model/Series	Part Numbers
Pass & Seymour	Harmony	D703PTCCCV6
	TradeMaster	T600WV
	Wide Slide Series	WS700TCCCV6
Lutron	Diva	DV-600PR
	Toggler	TGLV-600PR
	Toggler	TGLV-600PR
Leviton	Decora	6674-P
	Decora	6633P
	Illumatech	IPI06++
	Illumatech	IPL06++
	TRIMATRON	6681++
	TRIMATRON	6684++

++ Must have at least 60W on dimmer circuit or 4 P Series LED downlighting modules.

Lithonia Lighting



<b>Light Output (Lumens)</b>	<b>620</b>
<b>Watts</b>	<b>8.9</b>
<b>Lumens per Watt (Efficacy)</b>	<b>70</b>
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<b>Color Accuracy</b>	<b>86</b>
<small>Color Rendering Index (CRI)</small>	
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<b>Light Color</b>	<b>3000 (Bright White)</b>
<small>Correlated Color Temperature (CCT)</small>	
	
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<b>Warranty**</b>	<b>Yes</b>

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: NJSM-4C4BRR (8/16/2012)  
Model Number: 6BP [upgrade 8/2012]  
Type: Recessed downlight

Lithonia Lighting



<b>Light Output (Lumens)</b>	<b>950</b>
<b>Watts</b>	<b>15.2</b>
<b>Lumens per Watt (Efficacy)</b>	<b>63</b>
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<b>Color Accuracy</b>	<b>84</b>
<small>Color Rendering Index (CRI)</small>	
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<b>Light Color</b>	<b>3000 (Bright White)</b>
<small>Correlated Color Temperature (CCT)</small>	
	
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<b>Warranty**</b>	<b>Yes</b>

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

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Registration Number: JB22-Q426NN (8/6/2013)  
Model Number: 6BP HL [Revised 07-25-13]  
Type: Recessed downlight