

Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Recessed LED kits include housing, trim, and wire connectors in one package. The LED kit is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. The LED kit maintains at least 70% light output for 28,000 hours.

**CONSTRUCTION** — Steel housing with 3 remodel clips and 3 wire nuts for installation in existing plaster, sheet rock or mechanical ceiling. Heavy-gauge galvanized steel raceway arm. Durable, powder coat paint prevents rust. Easily converts to new construction application using accessories (sold separately).

Galvanized steel junction box with three 7/8" knockouts with slots for pryout. Not suitable for pulling wires. Hook & hang snap-on J-box doors for easy access.

Rated for 90°C. Ground wire provided.  
Utilizes 3000 K color temperature LEDs.

**OPTICS** — White baffle recesses optical system into the ceiling to prevent glare and provide a traditional look. Diffused lens provides even illumination throughout the space.

**ELECTRICAL** — High-efficiency driver mounted on the module. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 15%. See page 2 for recommended triac dimmers.  
Standard input wattage is 7.4 W, 60 lumens per watt; equivalent to 45 watt PAR20.  
Actual wattage may differ by +/- 5% when operating at 120V +/- 10%.

**LISTINGS** — CSA certified for use in the US and Canadian safety standards. California T24 compliant. ENERGY STAR® qualified. WSEC ASTM E283 for Air-Tight. Damp location listed.

**WARRANTY** — 5-year limited warranty.  
Actual performance may differ as a result of end-user environment and application.  
Note: Specifications subject to change without notice.

LED Recessed Downlighting

# LK3B

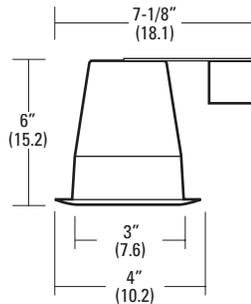
## 3" Baffle LED Recessed Kit

IC/Non-IC  
New & Remodel Construction



### Specifications

- Aperture: 3 (7.6)
- Ceiling opening: 3-1/8 (7.9)
- Overlap trim: 4 (10.2)
- Height: 6 (15.2)
- Length: 7-1/8 (18.1)
- Max. ceiling thickness: 5/8" gypsum; 3/4" drop ceiling



All dimensions are inches (centimeters) unless otherwise indicated.

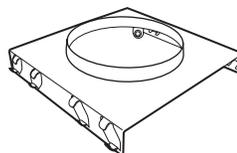
### ORDERING INFORMATION

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

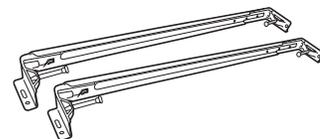
Example: LK3BMW LED

LK3BMW			LED			
Series	Reflector	Finish	Lamps/CRI/W/Lumens	Color temperature	Voltage	
<b>LK3</b> 3" LED recessed kit	<b>B</b> Baffle	<b>MW</b> Matte white	<b>LED</b> 93CRI/7.4W/450L	<b>(blank)</b> 3000 K	<b>(blank)</b> 120V	

<b>Accessories:</b> Order as separate catalog number.	
LKA3P	3" new construction pan
LKABH	Hanger bars for conversion to new construction



LKA3P  
New construction pan

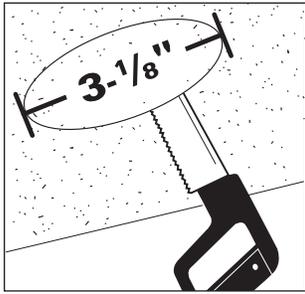


LKABH  
Hanger bars

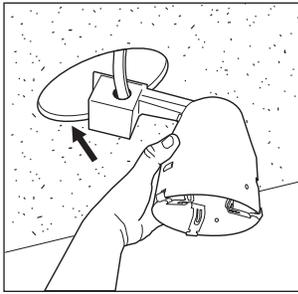
# 3" Baffle LED Recessed Downlighting Kit

## INSTALLATION

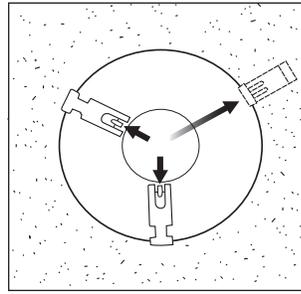
The following instructions are for remodel applications. New construction applications require new construction pan and hanger bars (see accessories).



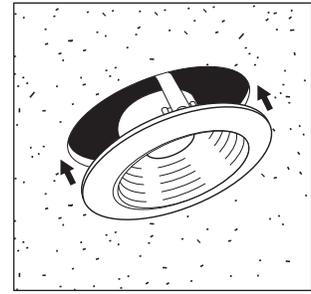
**Step 1:**  
Using provided stencil, trace cutout lines for housing hole on ceiling. Use saw to make appropriate 3-1/8" cutout.



**Step 2:**  
Using provided wire connectors, connect wires (black to black; white to white; ground to ground) and insert housing into ceiling.



**Step 3:**  
Snap (3) springs to secure housing to ceiling.



**Step 4:**  
Insert trim into housing.

## DIMMING & ENERGY DATA

COMPATIBLE DIMMERS*	
<b>Lutron Model No.</b>	
• S-600H-WH	
• S2-LH-WH	
• DV-600PR-WH	
• TGLV-600PR-WH	
• CTCL-153PD	
• LGCL-153PLH-WH	
• TGCL-153PH-LA	
• TG-603PR-WH	
• S-600PR-WH	
<b>Leviton Model No.</b>	
• 6683-IW	
• 6631-1LT	
• IPI06-1LT	
• RPI06	
• R22-VPI06-1LW	
• VPI06-1LT	
<b>Cooper Model No.</b>	
• 9530WS-K-L	
• 9530DS-K-L	
• 9534WS-K-L	

\*Unlisted dimmers do not imply non-compatibility.

ENERGY DATA*	
Lumens	450
CRI	93
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	7.4W
Input power	7.4W
Input current	0.072A

\*Values at non-dimming line voltage.

LITHONIA LIGHTING

LED

## lighting facts®

A Program of the U.S. DOE

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**Light Output (Lumens)**

**450**

**Watts**

**7.4**

**Lumens per Watt (Efficacy)**

**60**

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**Color Accuracy**

**93**

Color Rendering Index (CRI)

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**Light Color**

**3000 (Bright White)**

Correlated Color Temperature (CCT)

2700K
3000K
4500K
6500K

All results 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.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the **Label Reference Guide**.

Registration Number: JB22-YO3P2L (8/14/2014)  
Model Number: LK3BMW LED (Upgrade : 7/21/2014)  
Type: Luminaire - Downlight

# 3" Baffle LED Recessed Downlighting Kit

## PHOTOMETRICS

Distribution Curve

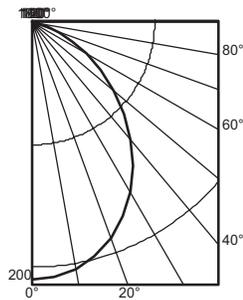
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

LK3BMW LED, 30K, input watts: 7.4, delivered lumens: 443, LM/W = 60, tested in accordance with IESNA LM 63-1995



Ave Lumens	Zone	Lumens	% Lamp	pf	80%			20%			50%			
					pc	pw	50%	30%	10%	50%	30%	10%	50%	30%
0	0° - 30°	210	155.5	35.1	0	119	119	119	116	116	116	110	110	110
5	0° - 40°	209	245.0	55.3	1	106	103	99	104	101	98	100	97	95
15	0° - 60°	197	387.4	87.4	2	94	89	84	93	87	83	89	84	81
25	0° - 90°	175	438.9	99.1	3	84	77	71	83	76	71	80	74	69
35	90° - 120°	144	0.9	0.2	4	76	68	62	74	67	61	72	65	60
45	90° - 130°	106	1.4	0.3	5	68	60	54	67	59	54	65	58	53
55	90° - 150°	68	2.4	0.5	6	62	54	48	61	53	48	59	52	47
65	90° - 180°	36	3.2	0.7	7	57	48	43	56	48	43	54	47	42
75	0° - 180°	12	442.1	*99.8	8	52	44	38	51	44	38	50	43	38
85		1			9	48	40	35	47	40	35	46	39	35
90		0			10	44	37	32	44	37	32	43	36	32

Mounting Height	Center Beam	Initial FC Diameter	FC	50% beam - 59.6°		10% beam - 101.5°	
				Diameter	FC	Diameter	FC
8.0	7.0	6.3	3.5	13.5	0.7		
10.0	3.7	8.6	1.9	18.4	0.4		
12.0	2.3	10.9	1.2	23.3	0.2		
14.0	1.6	13.2	0.8	28.2	0.2		
16.0	1.2	15.4	0.6	33.1	0.1		