LITHONIA LIGHTING®

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.

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.

Available in 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 (3000 K); equivalent to 45 watt PAR20.

LISTINGS — CSA certified for use in the US and Canadian safety standards. Certified to the high efficacy requirements of California T24 JA82016. ENERGY STAR® certified. WSEC ASTM E283 for Air-Tight. Wet location listed.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
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)

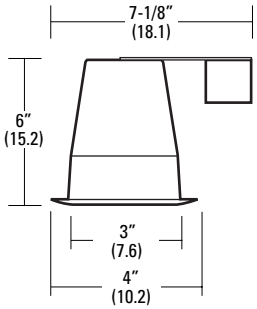
Ceiling opening: 3-1/8 (7.9)

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**.

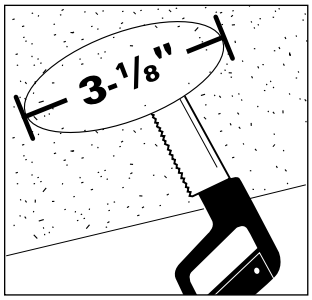
Example: LK3BMW LED

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

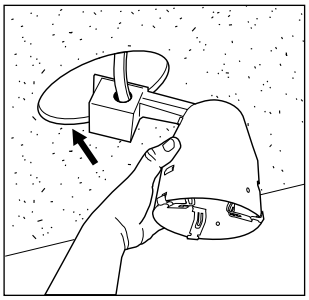
3" Baffle LED Recessed Downlighting Kit

INSTALLATION

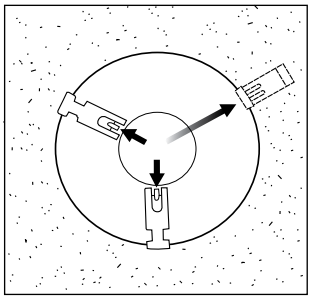
The following instructions are for remodel applications. New construction applications require new construction pan and hanger bars (see accessories).



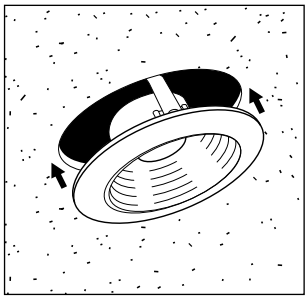
Step 1:
Using provided stencil, trace cutout lines for housing hole on ceiling. Use saw to make appropriate 3-1/8" cutout.



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*
Lutron Model No:
• DVELV-300P
• 300P SELV
• NTELV-300P
• DVCL-153P-WH
• CT-603PR-WH
Leviton Model No:
• 6615-P
Pass & Seymour Model No:
• H703PTUTC
• H703PNICCV4
• D1103P
• HCL453PTCCCV6
• TD703PWCCV6
Synergy/Leviton Model No:
• ISD 400 ELV 120 / IPE04
• ISD 600 I 120 / IPI06
• ISD 1000 I 120 / IPI10

*Unlisted dimmers do not imply non-compatibility.

ENERGY DATA*	
	3000 K
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.

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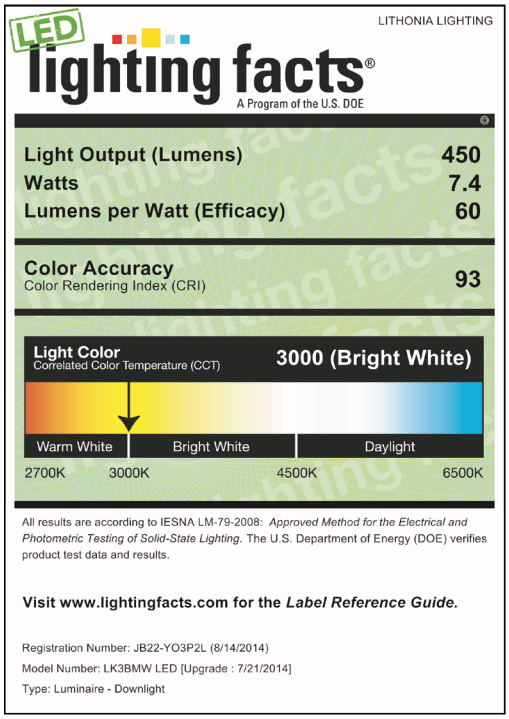
3" Baffle LED Recessed Downlighting Kit

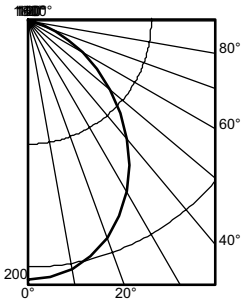
LIGHTING FACTS



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
0	210	
5	209	20
15	197	55
25	175	80
35	144	89
45	106	82
55	68	61
65	36	36
75	12	13
85	1	2
90	0	

Zone	Lumens	% Lamp
0° - 30°	155.5	35.1
0° - 40°	245.0	55.3
0° - 60°	387.4	87.4
0° - 90°	438.9	99.1
90° - 120°	0.9	0.2
90° - 130°	1.4	0.3
90° - 150°	2.4	0.5
90° - 180°	3.2	0.7
0° - 180°	442.1	*99.8
*Efficiency		

pf	80%			20%					
pc				70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	110	110	110
1	106	103	99	104	101	98	100	97	95
2	94	89	84	93	87	83	89	84	81
3	84	77	71	83	76	71	80	74	69
4	76	68	62	74	67	61	72	65	60
5	68	60	54	67	59	54	65	58	53
6	62	54	48	61	53	48	59	52	47
7	57	48	43	56	48	43	54	47	42
8	52	44	38	51	44	38	50	43	38
9	48	40	35	47	40	35	46	39	35
10	44	37	32	44	37	32	43	36	32

		50% beam - 59.6°		10% beam - 101.5°	
Mounting Height	Inital FC Center Beam	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

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