



# LB8

## 8" RECESSED LED RETROFIT KIT

Security Lighting's LB8LED series Delivers 77% energy savings by simply upgrading existing dual lamp 26 watt CFL recess can lights with this retrofit kit. The kit is designed for fast and simple installation into any ceiling type, and consists of a 12 watt LED Engine and Driver assembly.

### Light Engine

High efficacy LED light engine, 3000K and 3500K, 80+ CRI, integrated with durable aluminum heat sink for excellent thermal management. System designed for optimal life and lumen maintenance (60,000 hours at 70% lumen maintenance per TM-21).

### Lens/Reflector

All LiteBox LED modules are provided standard with a diffuse optical grade acrylic lens for uniform illumination and superior glare control. Reflector powder coat finish creates aesthetic ceiling appearance and visually comfortable 55° cutoff.

### LED Driver

Integral high efficiency LED driver 120V, >0.9 power factor, dimmable to 15% with standard incandescent or electronic low voltage dimmers. (See Dimming Notes for recommended dimmers.) Output over-voltage, over-current, and short circuit protection. Life expectancy of 60,000 hours minimum at recommended ambient temperatures.

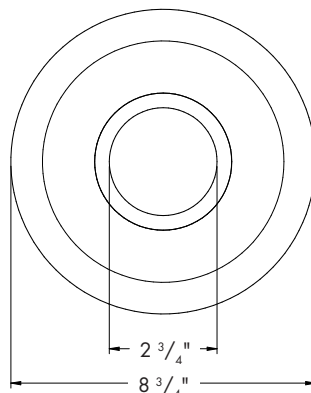
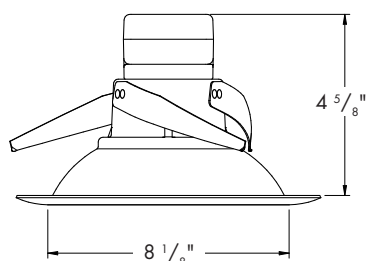
### Certifications

UL/cUL Classified for use in Prescolite or other 6" recessed housings including Halo, Juno, and Lithonia. (See page 3 for more details) Suitable for wet locations. ENERGY STAR qualified. Meets California Title 24 with DBXQL

### Warranty

5 year warranty

### Dimensions



### Ordering Information

 Ordering Example: LB8LEDR-10LXXX9XXXXRK-CFR

LB8LEDR-10L		9						RK-CFR	
Trim		LED Color		CRI		Trim Color		Trim Type	
LB8LEDR-10L	8" 1000 Lumen Litebox LED Module with dimming to 15% 120V	30K	3000 Kelvin	9	90+ CRI	WH	White	Blank	Open Trim
		35K	3500 Kelvin			BK	Black	WW	Wall Washer
								</	

Web: [www.securitylighting.com](http://www.securitylighting.com)

2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704

Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

© 2017 Security Lighting, a division of Hubbell Lighting, Inc.

All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL0023 12/17





# LB8

## 8" RECESSED LED RETROFIT KIT

### Photometric Data

Electrical Data	LB8LEDA
Input Voltage	120V
Input Frequency	43.63 Hz
Input Current	0.10A
Input Power	12.0W
Constant Current Output	700mA
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR Part15, Class B
Operating Temperature	-30°C to 60°C
Dimming	Yes*

Over-Voltage, over-current, shortcircuit protected

\*See Dimming Notes for more information

PERFORMANCE DATA CHART												
Single Unit, Initial Footcandles, 30" Work Plane							Ceiling to Floor Height (ft)	Multiple Units, Initial Footcandles, 30" Work Plane				
Nadir	10°		20°		30°			Spacing is Maximum Over Work Plane, SMH = 1.1				
FC	FC	Dia (ft)	FC	Dia (ft)	FC	Dia (ft)		Fixture Spacing (ft)		RCR 2	RCR 5	RCR 7
52	483	1	37	3	24	4		6	4.0	59	51	43
21	19	2	15	4	10	6	8	6.0	28	21	18	
10	9	3	7	6	5	9	10.5	9.0	13	10	8	
7	5	3	5	7	3	11	12	10.0	9	7	5	

### LB6LEDA30K WH

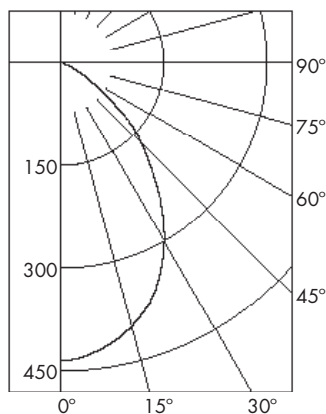
LED Light Engine: 3000K 84 CRI

System Wattage: 13.5

Fixture delivered lumens: 691

Fixture Efficacy: 51.1

Spacing Criteria: 1.1



CANDELA DISTRIBUTION	
DEG	CANDELA
0	434
5	429
15	398
25	339
35	250
45	162
55	72
65	24
75	6
85	3
90	1

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%LUMINAIRE
0-30	309	44.6%
0-40	467	67.5%
0-60	659	95.3%
0-90	691	100.0%

### COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance															
	80%				70%				50%				30%			
	20% Effective Floor Cavity Reflectance															
	% Wall Reflectance															
	70	50	30	10	70	10	50	10	50	10	50	10				
1	112	108	105	102	109	101	102	98	98	95	92					
3	97	89	83	78	95	77	85	76	82	74	69					
5	84	74	67	61	83	61	71	60	69	60	54					
7	74	62	55	50	72	50	60	49	59	49	44					
9	65	53	46	41	64	41	52	41	51	41	36					

LB6LEDA30K WH

Test No. 4877

Test No. 4877

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

Tested in DBX housing

### Central Inverters

For full fixture output in back-up mode, we recommend you visit [www.dual-lite.com](http://www.dual-lite.com) for your Central Lighting Inverter options. Please contact your local Hubbell representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

**LiteGear:** [www.dual-lite.com/products/litegear\\_lg\\_series](http://www.dual-lite.com/products/litegear_lg_series)

**LPS Series:** [www.dual-lite.com/products/lps](http://www.dual-lite.com/products/lps)

Web: [www.securitylighting.com](http://www.securitylighting.com)

2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704

Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

© 2017 Security Lighting, a division of Hubbell Lighting, Inc.

All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL0023 12/17

