



# New and Existing Construction

## LBSLEDA10L

## LBSQLEDA10L

LED Surface Mount  
 1000 Lumen Module  
 Wet Location  
 120V

DATE: \_\_\_\_\_ TYPE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

PROJECT: \_\_\_\_\_



### APPLICATIONS:

LiteBox Surface Mount LED modules are designed for use in new construction or retrofit IC or non-IC applications. It can be installed onto a standard 4" J-box, or into a 4", 5" or 6" recessed housing with optional mounting kit. Lumen output and distribution comparable to a 100 watt incandescent lamp while consuming only 17 watts of electricity. Energy Star qualified. Suitable for use with continuous room side temperatures up to 40°C (104°F).

### LIGHT ENGINE:

High efficacy LED light engine integrated with durable aluminum heat sink for excellent thermal management. 120V, 50/60Hz, powered directly to AC without the need for a driver. Output over-voltage, over-current, and short circuit protection. System designed for optimal life and lumen maintenance (42,000 hours at 70% lumen maintenance per TM-21).

### DIMMING:

Continuous dimming to 15% with many LED rated dimmer controls. (See Dimming Notes on pg 3 for recommended dimmers.)

### LENS/REFLECTOR:

All LiteBox LED modules are provided standard with a diffuse impact resistant polycarbonate lens for uniform illumination.

### INSTALLATION:

**New Construction:** Install onto a standard 4" J-Box, or use with Prescolite's DBX Quicklink Housing. Quicklink connector mates directly to housing connector without a screw-base adapter.

**Retrofit:** Install onto a standard 4" J-Box, or use in Prescolite or competitive 4", 5" or 6" recessed cans with optional mounting kit.

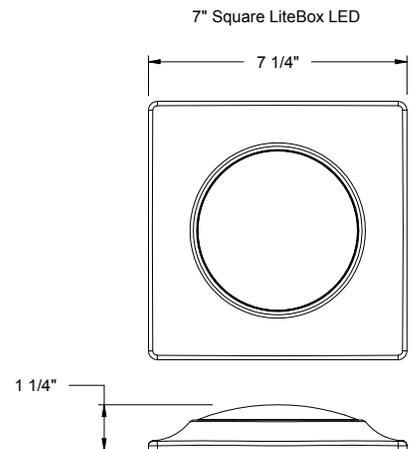
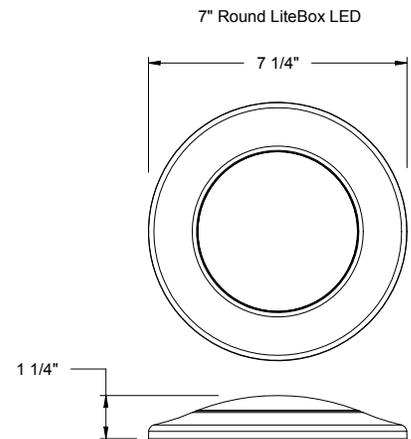
### CERTIFICATIONS:

CSA certified to US and Canadian safety standards. ENERGY STAR qualified. Suitable for wet locations.

### WARRANTY:

5 year warranty

See [www.prescolite.com](http://www.prescolite.com) for details.



CATALOG NUMBER

EXAMPLE: LBSLEDA10L30K9 WH

TRIM	LED COLOR	CRI	TRIM COLOR
<input type="checkbox"/> <b>LBSLEDA10L</b> 7" Surface Mount Round LED Module	<input type="checkbox"/> <b>27K<sup>1</sup></b> 2700 Kelvin	<input type="checkbox"/> <b>8</b> 80+ CRI	<input type="checkbox"/> <b>WH</b> White
<input type="checkbox"/> <b>LBSQLEDA10L</b> 7" Surface Mount Square LED Module	<input type="checkbox"/> <b>30K<sup>1</sup></b> 3000 Kelvin	<input type="checkbox"/> <b>9</b> 90+ CRI	<input type="checkbox"/> <b>BL</b> Black
	<input type="checkbox"/> <b>35K<sup>1</sup></b> 3500 Kelvin		<input type="checkbox"/> <b>Z</b> Zet
	<input type="checkbox"/> <b>40K<sup>2</sup></b> 4000 Kelvin		<input type="checkbox"/> <b>BZ</b> Bronze
	<input type="checkbox"/> <b>50K<sup>2</sup></b> 5000 Kelvin		

### ACCESSORIES

- LBSMTGKIT**  
Mounting Kit for LiteBox LED Surface fixtures to install into most 4", 5", or 6" recessed cans. Set of 8. Not required for J-Box mounting.

Notes  
<sup>1</sup>Available only in 90 CRI  
<sup>2</sup>Available only in 80 CRI

# PHOTOMETRIC DATA

## LiteBox LED - Surface Mount LED Downlight Modules

ELECTRICAL DATA	LBSLEDA10L	LBSQLEDA10L
Input Voltage	120V AC	120V AC
Input Frequency	50/60 Hz	50/60 Hz
Input Current	0.14A	0.14A
Input Power	16.4W	16.4W
Power Factor	>0.90	>0.90
THD	<20%	<20%
EMI Filtering	FCC 47CFR	FCC 47CFR
	Part 15, Class B	Part 15, Class B
Operating Temperature	-30°C to 40°C	-30°C to 40°C
Dimming	Yes*	Yes*

Over-voltage, over-current, short-circuit protected

\*See Dimming Notes for more information

### LBSLEDA10L30K9 WH

LED Light Engine: 3000K, 90+ CRI

System Wattage: 16.4

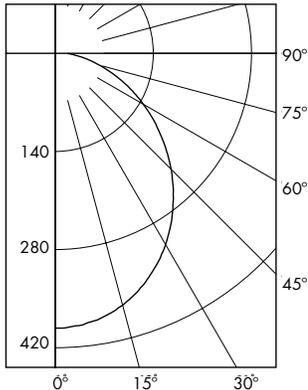
Fixture delivered lumens: 1032

Fixture Efficacy: 63.0

Spacing Criteria: 1.2

### Performance Datachart

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= 1.2			
FC	FC	Dia (ft)	FC	Dia (ft)	FC	Dia (ft)	Fixture Spacing (ft)	RCR 2	RCR 5	RCR 7	
29	28	1	22	3	16	4	6	4.0	50	35	29
12	11	2	9	4	6	6	8	7.0	20	14	12
6	5	3	4	6	3	9	10.5	10.0	9	7	5
4	4	3	3	7	2	11	12	11.0	7	5	4



### CANDELA DISTRIBUTION

DEG	CANDELA
0	392
5	390
15	372
25	337
35	290
45	234
45	175
55	117
65	66
75	28
90	16

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-30	297	28.8
0-40	478	46.3
0-60	814	78.9
0-90	1032	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	50	30	10	70	50	30	10				
1	108	104	99	95	106	94	97	94	93	90	87	84				
3	90	80	71	65	88	64	75	69	72	67	62	57				
5	76	63	54	58	74	47	60	53	58	52	47	41				
7	65	52	43	37	64	37	50	42	48	41	35	29				
9	57	44	35	30	56	30	42	35	41	34	28	22				

LBSLEDA10L30K9 WH

Test No. 14.00619 2768255-3

Test No. 14.00619 2768255-3

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

### 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)

### NOTES

Refer to [www.prescolite.com](http://www.prescolite.com) for additional photometric tests (IES Files).



Web: [www.prescolite.com](http://www.prescolite.com) • Tech Support: (888) 777-4832

701 Millennium Boulevard • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000

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**HUBBELL**  
Lighting, Inc.

# PHOTOMETRIC DATA

## LiteBox LED - Surface Mount LED Downlight Modules

### **DIMMING NOTES:**

Surface Mount LED modules are designed to be compatible with many dimmer controls. Electronic low-voltage rated dimmer controls may offer favorable dimming performance. Incandescent type dimmers are not recommended. The following is a list of known compatible dimmer controls:

<b>Manufacturer</b>	<b>Series</b>	<b>Part Number</b>
Leviton	Renoir II	AWRMG-EAW
Leviton	Sure Slide	6615-8
Lutron	Diva Series	(Part Number DVELV-300)
Lutron	Maestro Series	(Part Number MAELV-600)
Lutron	Nova T Series	(Part Number NTELV-300)
Lutron	Spacer Series	(Part Number SPSELV-600)
Lutron	Vierti Series	(Part Number VTELV-600)

### **LED Rated Controls**

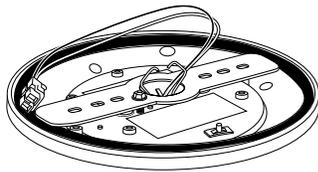
Pass & Seymour (Part Number DCL453PTCCCV6)

Incandescent Digital type dimmers are not recommended

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are tradenames or registered trademarks of each respective company.

J-Box Mount with quick link

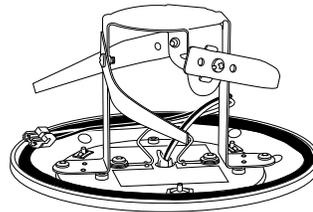


J-Box Adapter



### **Optional LBSMTGKIT Mounting Options:**

Recessed Mount with quick link



Recessed Adapter



E26 Edison Base Adapter

