



New and Existing Construction

LB6LEDA10L

LED Downlight Module (1000 Lumens)
 12W High Efficacy
 Wet Location
 120V



DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____

LiteBox **6"**

Aperture: Nominal 6"
 See Housing Specification Sheet for ceiling cutout requirements
 Not to Scale

APPLICATIONS:

LiteBox LED modules are designed for use in new construction as well as retrofit applications with existing Prescolite or competitive 6" housings using the screw base adapter included. Lumen output and distribution comparable to a 75W PAR while consuming only 12 watts. ENERGY STAR® qualified. Can be used to comply with California Title 24 IECC watts per square foot requirements. Suitable for use with continuous room side ambient temperature up to 25°C. Flicker-free dimming to 15% with most standard dimmers. (See Dimming Notes).

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.

INSTALLATION:

For New Construction: Use with Prescolite DBX QuickLink LED housings. QuickLink connector mates directly to housing connector without a screw base adapter for California Title 24 compliance.

For Retrofit: Use in Prescolite or other compatible 6" recessed housings using supplied screw base adapter.

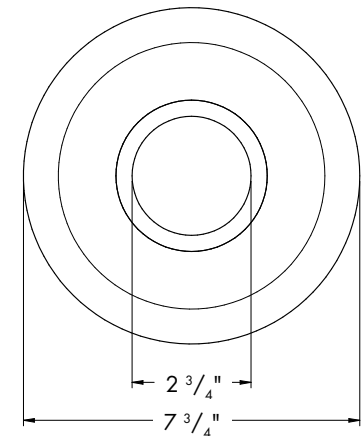
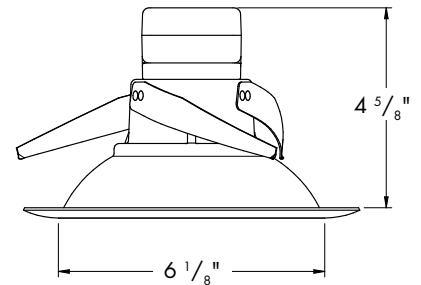
Easy installation with (3) stainless steel spring clips (pre-installed).

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
 Additional information on page 3
 See www.prescolite.com for details.



CATALOG NUMBER:

EXAMPLE: LB6LEDA10L30K WH

TRIM	LED COLOR	CRI	TRIM COLOR	ACCESSORIES
<input type="checkbox"/> LB6LEDA10L 6" 1000 Lumen Litebox LED Module with dimming to 15% 120V	<input type="checkbox"/> 30K 3000 Kelvin <input type="checkbox"/> 35K 3500 Kelvin	<input type="checkbox"/> Blank 80+ CRI	<input type="checkbox"/> WH White <input type="checkbox"/> BL Black <input type="checkbox"/> Z Zet <input type="checkbox"/> BZ Bronze	<input type="checkbox"/> LG1S Dual-Lite 100 VA Surface Mount LiteGear Emergency Lighting Inverter <input type="checkbox"/> LG1R Dual-Lite 100 VA Recessed Mount LiteGear Emergency Lighting Inverter <input type="checkbox"/> LG1T Dual-Lite 100 VA Recessed Ceiling T-Grid Mount LiteGear Emergency Lighting Inverter <input type="checkbox"/> LG2S Dual-Lite 250 VA Surface Mount LiteGear Emergency Lighting Inverter <input type="checkbox"/> DBXQL IC/Non-IC Airtight housing with supply wire quick connects



In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.
 Web: www.prescolite.com • Tech Support: (888) 777-4832

LB-LED-009

PHOTOMETRIC DATA

Litebox LED - 6" LED Downlight Module

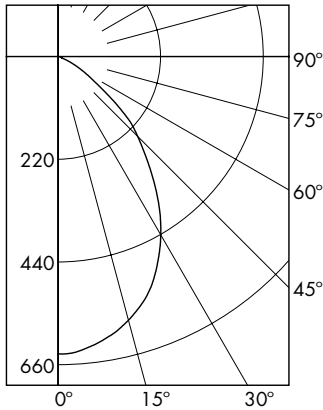
ELECTRICAL DATA	LB6LEDA
Input Voltage	120V
Input Frequency	43-63 Hz
Input Current	0.10A
Input Power	12.0W
Constant Current Output	700mA
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR Part 15, Class B
Operating Temperature	-30°C to 60°C
Dimming	Yes*
Over-voltage, over-current, short-circuit protected	
*See Dimming Notes for more information	

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= 1.1			
FC	FC	Dia (ft)	FC	Dia (ft)	FC	Dia (ft)	Fixture Spacing (ft)	RCR 2	RCR 5	RCR 7	
52	48	1	37	3	24	4		6	4.0	69	51
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	6	3	5	7	3	11	12	10.0	9	7	6

LB6LEDA10L35K WH

LED Light Engine: 3500K 83 CRI
System Wattage: 12
Fixture delivered lumens: 1038
Fixture Efficacy: 87.0
Spacing Criteria: 1.1



DEG	CANDELA
0	634
5	630
15	588
25	504
35	384
45	257
55	129
65	41
75	8
85	3
90	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	451	43.5%
0-40	683	65.9%
0-60	986	95%
0-90	1038	100.0%

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance				% Effective Floor Cavity Reflectance				% Wall Reflectance			
	80% 70% 50% 30%				20% Effective Floor Cavity Reflectance							
	70	50	30	0	70	30	50	20	50	20		
1	112	108	105	102	109	103	102	97	98	94		
3	97	89	82	77	95	81	84	75	82	74		
5	84	73	66	60	82	65	70	59	68	59		
7	73	62	54	49	72	54	60	48	58	48		
9	65	53	46	41	63	45	51	40	50	40		

LB6LEDA10L35K WH

Test No. CSA 2585298

Test No. CSA 2585298

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

Central Inverters

For fixture full light output in back-up mode, Prescolite and Dual-lite have jointly tested the LB6LEDA with the 100 (LG1) and 250 (LG2) VA LiteGear inverters. For more information on LiteGear go to http://www.dual-lite.com/resources/litegear_luminaire_loading_chart/.

NOTES

Refer to www.prescolite.com for additional photometric tests (IES Files).



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DIMMING NOTES:

LiteBox LED integral driver is compatible with existing 2-wire dimming circuits and is designed to operate with most standard dimmers including incandescent 120V line voltage (forward phase-leading edge) dimmers as well as 120V electronic low voltage (ELV) (reverse phase-trailing edge) dimmers. Dimming capabilities will vary depending upon the dimmer control used.

A 120V Electronic Low Voltage (ELV) dimmer can typically operate a single LED unit and are recommended for use with LB6LEDA Series.

Recommended Electronic Low Voltage Dimmers:

- Lutron Nova T Series (Part number NTELV-600)
- Lutron Faedra (Part Number FAELV-T00-XX)
- Leviton Acenti (Part Number ACE06-XXX)
- Leviton Vizia (Part Number VZE04)

Most incandescent line voltage dimmers have minimum load requirements of approximately 40W and may require multiple LED modules per control. (See dimmer control manufacturer's instructions for specific requirements.)

Recommended Incandescent Line Voltage Dimmers:

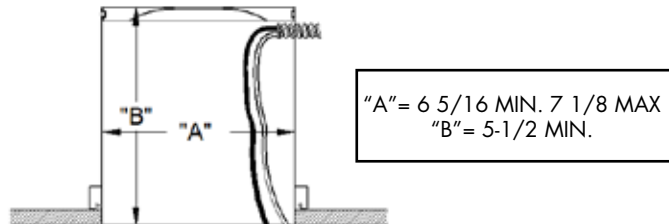
- Leviton, Illumitech Series (Part Numbers IPI06-XXX)
- Leviton, Trimatron Series (Part Numbers 6602-X, 6681-X, 6683-X, 6684-X, 700-X and 705-X)
- Leviton, SureSlide Series (Part Numbers 6631)
- Leviton, True Touch Series (Part Number 66061LM)
- Lutron Skylark Series (Part Number S-600, S2-LH)
- Lutron, Maestro Series (Part Numbers MAW-600)
- Cooper, Aspire Series (Part Numbers 9530XXX)

Digital dimmers are not compatible with LiteBox LED modules.

COMPATIBILITY OF 6" RECESSED HOUSINGS:

LiteBox LED modules are UL/cUL classified for use with Prescolite and most competitive recessed cans (with "A" and "B" dimensions) including:

Prescolite	Lithonia
Capri	Lumapro
Commercial Electric	Luminaire
Elco	Nora
Emerald	Progress
Halo	Sea Gull
Intense	WAC
Jimway	
Juno	



NOTES

1. Operation in ambient temperatures higher than those specified will shorten life and void warranty.
 2. Warranty is limited to repair and replacement of defective parts of the LED system and does not include labor or installation.
- See www.prescolite.com for details.



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