



New and Existing Construction

LB6LEDA

LED Downlight Module
 14W High Efficacy
 Wet Location
 120V



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 65W BR30 while consuming only 14 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, 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

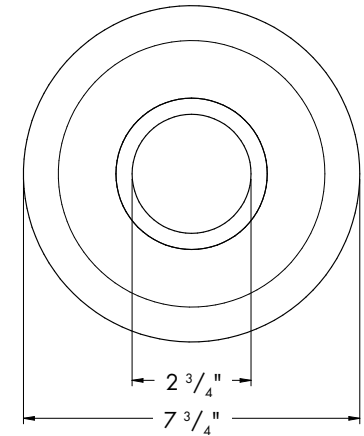
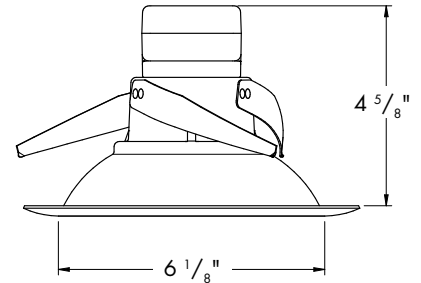
WARRANTY:

3 year warranty (IC)

5 year warranty (Non-IC)

Additional information on pg 3.

See www.prescolite.com for details.



CATALOG NUMBER:

EXAMPLE: LB6LEDA30K WH

TRIM	LED COLOR	CRI	TRIM COLOR	ACCESSORIES
<input type="checkbox"/> LB6LEDA 6" Litebox LED Module with dimming to 15% 120V	<input type="checkbox"/> 30K 3000 Kelvin	<input type="checkbox"/> Blank 80+ CRI	<input type="checkbox"/> WH White	<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-003

PHOTOMETRIC DATA

Litebox LED - 6" LED Downlight Module

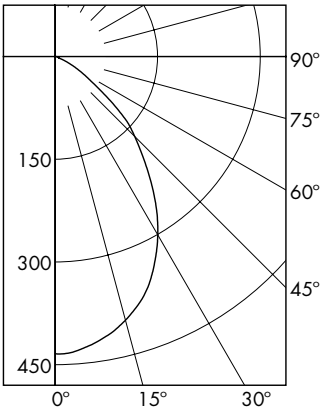
ELECTRICAL DATA	LB6LEDA
Input Voltage	120V
Input Frequency	43-63 Hz
Input Current	0.12A
Input Power	13.5W
Constant Current Output	700mA
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR
	Part 15, Class B
Operating Temperature	-30°C to 60°C
Dimming	Yes*
Over-voltage, over-current, short-circuit protected	
*See Dimming Notes for more information	

PERFORMANCE 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	
35	33	1	25	3	16	4		6	4.0	46	34
14	13	2	10	4	6	6	8	6.0	19	14	12
7	6	3	5	6	3	9	10.5	9.0	9	7	6
5	4	3	3	7	2	11	12	10.0	6	5	4

LB6LEDA30K WH

LED Light Engine: 3000K 84 CRI
 System Wattage: 13.5
 Fixture delivered lumens: 691
 Fixture Efficacy: 51.1
 Spacing Criteria: 1.1



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
1	112	108	105	102	109	101	102	98	98	95												
3	97	89	83	78	95	77	85	76	82	74												
5	84	74	67	61	83	61	71	60	69	60												
7	74	62	55	50	72	50	60	49	59	49												
9	65	53	46	41	64	41	52	41	51	41												

LB6LEDA30K WH

Test No. 2949

Test No. 2949

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

Tested in DBX housing

NOTES

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



Web: www.prescolite.com • Tech Support: (888) 777-4832
 701 Millennium Boulevard • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000
 Copyright ©2010 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved
 Specifications subject to change without notice. • Printed in U.S.A. • LB-LED-001 • 12/2/10



Hubbell Lighting, Inc.

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:

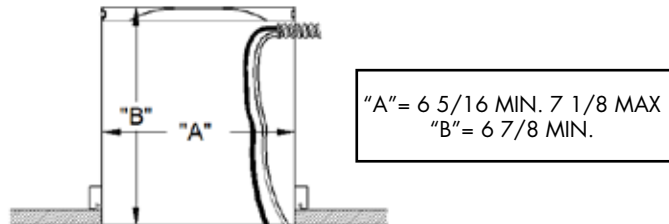
Leviton, Illumitech Series (Part Numbers IPI06-XXX)
 Leviton, Trimatron Series (Part Numbers 6602-X, 6681-X, 6683-X, 6684-X, 700-X and 705-X)
 Leviton, SureSlide Series (Part Numbers 6631)
 Leviton, True Touch Series (Part Number 66061LM)
 Lutron Skylark Series (Part Number S-600, S2-LH)
 Lutron, Maestro Sereis (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. 5 year warranty requires product registration. See www.prescolite.com for details.



Web: www.prescolite.com • Tech Support: (888) 777-4832
 701 Millennium Boulevard • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000
 Copyright ©2010 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved
 Specifications subject to change without notice. • Printed in U.S.A. • LB-LED-001 • 12/2/10

