

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The Shadow Box Square combines digital lighting and control technologies with an aesthetically pleasing, uniform brightness and clean lines which make the SBSL the perfect solution for applications such as schools, offices and hospitals. The combination of perforated perimeter with white center section is a unique look for today's recessed ceiling applications. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Housing formed from cold-rolled steel. Housing is painted after fabrication for superior finish. Smooth hemmed sides and smooth inward-formed end flanges, for easy handling.

Standard extruded aluminum door frame has superior structural integrity with premium appearance and mitered corners. Door frame is painted after fabrication, standard. Powder-painted rotary cam latches provide easy, secure door closure. Integral T-bar clips are standard. Acrylic shielding material is 100% UV stabilized.

**OPTICS** — Stylish open matte white surrounded by perforated patterned trim creates a unique lit appearance and adds visual interest to the space.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

Standard nLight® embedded controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the SBSL luminaires using standard Cat-5 cabling, and enjoy unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Bi-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Driver disconnect provided where required to comply with US and Canadian codes.

**INSTALLATION** — Drivers and internal components are accessible from floor. Suitable for direct insulation contact. Suitable for damp location.

Maintenance: LED boards include plug-in connectors for easy replacement or servicing.

**LISTINGS** — CSA certified to U.S. and Canadian standards. IC rated.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/OPL](http://www.designlights.org/OPL) to confirm which versions are qualified.

Catalog Number
Notes
Type

**SBS Series**

# SHADOW BOX SQUARE



2' x 2'  
LED



Protected by one or more of US Patent Nos. D690,868; D690,867.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.

### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** 2SBSL2 33L FW EZ1 LP835 N100

2SBSL4		Voltage		Driver	
Series	Lumens <sup>1</sup>	Door			
2SBSL2 Recessed LED 2x2	20L 2000 lumens	FW Flush aluminum, white	(blank)	MVOLT (120-277V)	EZ1 eldoLED dims to 1% (0-10 volt dimming)
	33L 3300 lumens	RW Regressed aluminum, white	347	347V <sup>2</sup>	EZB eldoLED dims to dark (0-10 volt dimming)
	40L 4000 lumens				EZB eldoLED DALI <sup>3</sup>
					EXB eldoLED DMX/RDM <sup>3</sup>
					EXA1 Dims to 1%, XPoint wireless enabled <sup>3,4</sup>
					EXAB Dims to dark, XPoint wireless enabled <sup>3,4</sup>
					SLD Step-level dimming <sup>3</sup>

Color temperature	Control	Options
LP830 3000 K	(blank) No controls	EL7L 700 nominal lumen battery pack
LP835 3500 K	N80 nLight with 80% (L80) lumen management	EL14L 1400 nominal lumen battery pack
LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power	CP Chicago plenum
LP850 5000 K	N100 nLight without lumen management	
	N100EMG nLight without lumen management for use with generator supply EM power	

nLight® Control Accessories: Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
On/Off	nPODM [color]	Standard range 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Extended range 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
<b>Photocell controls</b>	<b>Model number</b>	<b>Cat-5 cable bundles (plenum rated)</b>	<b>Model number</b>
Continuous dimming	nCM ADC	10', 15 pieces per bundle	CAT5 10FT
On/Off & Dimming	nCM PC ADC	30', 15 pieces per bundle	CAT5 30FT

**Accessories:** Order as separate catalog number.

DGA22 Drywall grid adapter for 2x2 recessed fixture.

#### Notes

- 1 Approximate lumen output.
- 2 Not available with EL7L or EL14L battery packs or SLD driver.
- 3 Not available with N80, N80EMG, N100, or N100EMG.
- 4 Gateway not included. Requires on-site commissioning. Visit [www.lightingcontrols.com/XPointWireless](http://www.lightingcontrols.com/XPointWireless) for more information.

# Shadow Box Square 2'x2'

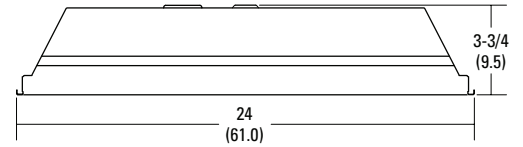
Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	1,682.4	18	93.5
20L	LP835	1,718.5	18	95.5
20L	LP840	1,730.6	18	96.1
20L	LP850	1,790.7	18	99.5
33L	LP830	2,689.5	29	92.7
33L	LP835	2,746.2	29	94.7
33L	LP840	2,766.8	29	95.4
33L	LP850	2,863.1	29	98.7
40L	LP830	3,174.1	35	90.7
40L	LP835	3,242.9	35	92.7
40L	LP840	3,265.2	35	93.3
40L	LP850	3,378.6	35	96.5

Performance based on standard #12 pattern acrylic lens.

## Dimensions

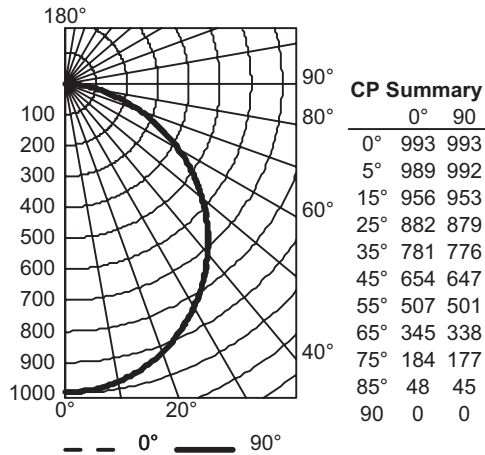
All dimensions are inches (centimeters) unless otherwise specified.

Specifications  
 Length: 24 (61.0)  
 Width: 24 (61.0)  
 Depth: 3-3/4 (9.5)



## PHOTOMETRICS

2SBSL2 33L RW EZ1 LP840, 2766.8 delivered lumens, test no. LTL26922P6, tested in accordance to IESNA LM-79.



pf	Coefficients of Utilization										Zonal Lumen Summary			
	pc	80%			70%			50%			Zone	Lumens	% Lamp	% Fixture
		pw	70%	50%	30%	50%	30%	10%	50%	30%				
0	119	119	119	116	116	116	111	111	111	0° - 30°	767	27.7	27.7	
1	109	104	100	102	98	94	98	94	91	0° - 40°	1252	45.3	45.3	
2	99	91	84	89	83	77	85	80	75	0° - 60°	2197	79.4	79.4	
3	90	80	72	78	71	64	75	69	63	0° - 90°	2767	100.0	100.0	
4	83	71	62	69	61	55	67	60	54	90° - 120°	0	0.0	0.0	
5	76	63	54	62	53	47	60	52	47	90° - 130°	0	0.0	0.0	
6	70	57	48	56	47	41	54	46	41	90° - 150°	0	0.0	0.0	
7	65	51	43	51	42	36	49	42	36	90° - 180°	0	0.0	0.0	
8	61	47	38	46	38	33	45	38	32	0° - 180°	2767	100.0	100.0	
9	57	43	35	43	35	29	41	34	29					
10	53	40	32	39	32	27	38	31	26					

## Constant Lumen Management

Enabled by the embedded nLight control, the SBSL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

