

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The BZL recessed troffer provides fresh architectural aesthetics in a recessed LED lighting fixture. The soft indirect lighting is ideal for retail, schools, healthcare facilities and commercial office spaces. The high efficacy LED system provides long life and excellent color to deliver superior quality indirect lighting.

**CONSTRUCTION** — Enclosure constructed from **powder coated cold rolled steel** with tabbed and screwed on end plates. Fixture sides contain rolled and completely hemmed edges to promote easy handling. End plate edges formed inward to provide smooth edges. Large, easy to position T-bar clips conveniently located and integral to the end plates. Reflector system constructed from a combination of cold roll steel ends, end trim, reflector and aluminum extrusion side flanges. Components are securely screwed together to maintain the integrity and relationship of the optical components. Parts are **painted after fabrication** for durability and consistency in appearance.

**OPTICS** — Reflector system features highly reflective optical composite coating and unique shape that delivers efficient and balanced lighting into the space. LED lamp assemblies captured in aluminum extrusions to maintain the integrity and consistency of the optical system performance. Secondary reflectors redirect light to enhance system performance.

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

nLight® integrated 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 BZL luminaires using standard CAT-5 cabling. 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.

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

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

**INSTALLATION** — Easily installs in most standard T-bar systems. Drywall grid adapters available for dry wall ceilings. **Suitable for damp location.**

**LISTINGS** — CSA Certified to meet US and Canadian standards. **IC rated.** Patents pending.

**BUY AMERICAN ACT** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

[www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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.

Catalog Number
Notes
Type

breez

BREEZ Series Recessed Indirect LED

**2BZL**



2' x 4'  
LED



### INDUSTRY RECOGNITION/AWARDS



Patent No.: US D677,820 S

### Dimensions

All dimensions are inches (centimeters) unless otherwise specified.

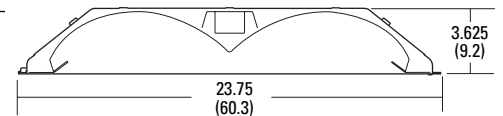
#### Specifications

Length: 47.75 (121.3)

Width: 23.75 (60.3)

Depth: 3.625 (9.2)

Weight: 18lbs



### CSA+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background\***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background\***

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# 2BZL4 Architectural Recessed LED Lighting 2'x4'



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** 2BZL4 48L EZ1 LP835 N100

2BZL4		Lumens <sup>2</sup>		Voltage		Driver		Color temperature		Controls <sup>2</sup>		Options	
2BZL4	BZL LED <sup>1</sup>	40L	4000 lumens	(blank)	MVOLT (120-277V)	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	82 CRI, 3000K <sup>4</sup>	(blank)	No controls	BDP	Disconnect Plug
		48L	4800 lumens			EZB	eldoLED dims to black (0-10 volt dimming)	LP835	82 CRI, 3500K	N80	nLight with 80% (L80) lumen management	JP16	Palletized job pack, qty. 32
		60L	6000 lumens			EDB	eldoLED DALI <sup>3</sup>	LP840	82 CRI, 4000K	N80EMG	nlight® with 80% lumen management. For use with generator supply EM power	EL14L	1400 lumen battery pack, non-compliant with CA T20
						EXB	eldoLED DMX/RDM <sup>3</sup>			N100	nLight without lumen management	E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS
						SLD	Step-level dimming <sup>3</sup>			N100EMG	nlight® without lumen management. For use with generator supply EM power	BAA	Buy America(n) Act Compliant

Accessories: Order as separate catalog number.	
DGA24	Drywall ceiling adaptor, unit installation
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

### Notes

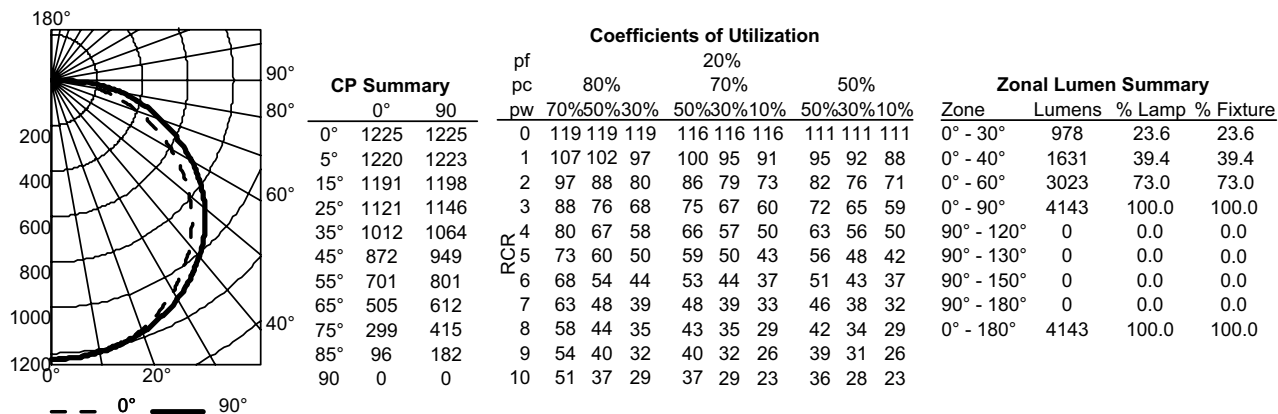
- 1 Air function not available.
- 2 Approximate lumen output.
- 3 Not available with N80, N80EMG, N100 or N100EMG.
- 4 Consult factory for lead time.
- 5 nI/O access limitations.

Performance Data				
Lumen Package	Color Temp (K)	Lumens	Watts	LPW
40L	3000	4006	39	103
	3500	4143	39	106
	4000	4295	39	110
48L	3000	4641	45	102
	3500	4793	46	105
	4000	4974	46	109
60L	3000	5709	57	100
	3500	5904	58	102
	4000	6121	58	106

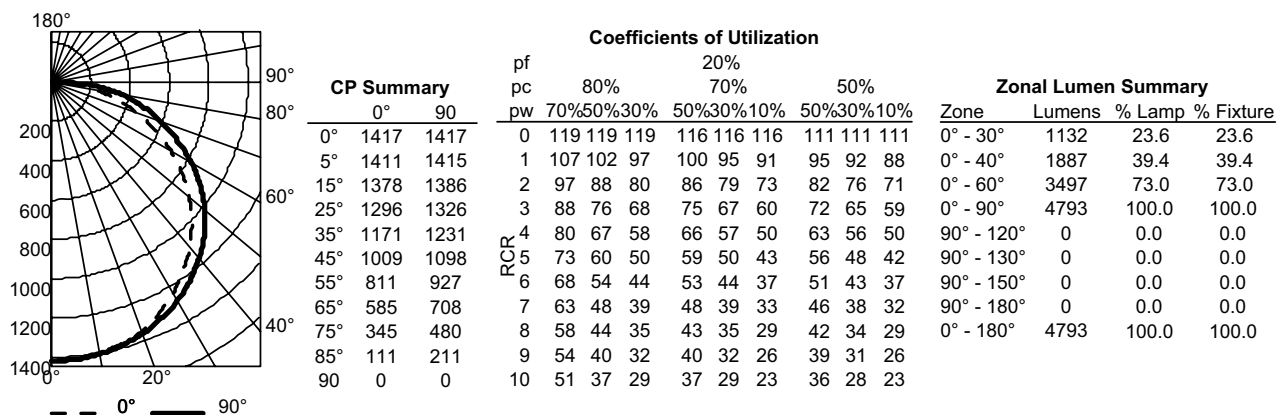
# 2BZL4 Architectural Recessed LED Lighting 2'x4'

## PHOTOMETRICS

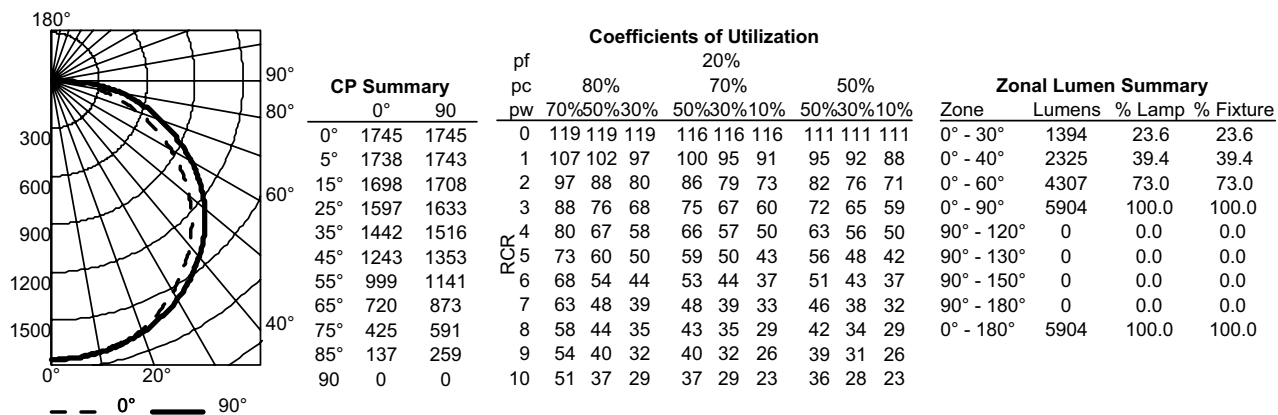
2BZL4 40L LP835, 4143 delivered lumens, test no. LTL 24863P6, tested in accordance to IESNA LM-79.



2BZL4 48L LP835, 4793 delivered lumens, test no. LTL 24863P3, tested in accordance to IESNA LM-79.



2BZL4 60L LP835, 5904 delivered lumens, test no. LTL24863P, tested in accordance to IESNA LM-79.



# 2BZL4 Architectural Recessed LED Lighting 2'x4'

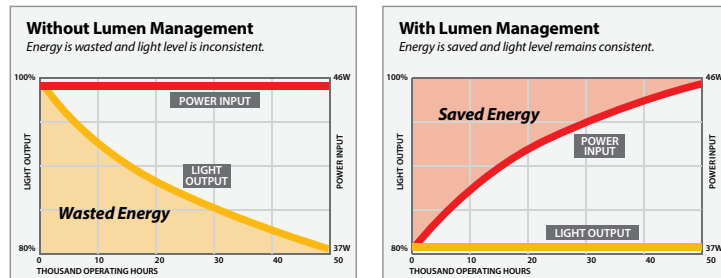
## nLight® Control Accessories:

Order as separate catalog number. Visit [www.sensorswitch.com/nLight](http://www.sensorswitch.com/nLight) for complete listing of nLight controls.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPDM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPDM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX	Wall switch with raise/lower	nWSXPDTLVDX
Photocell controls	Model number	Cat-5 cable bundles (plenum rated)	Model number
On/Off & Dimming	nCM ADCX	10', 15 pieces per bundle	CAT5 10FT
		30', 15 pieces per bundle	CAT5 30FT

## Constant Lumen Management

Enabled by the embedded nLight control, the BZL LED 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.



## Mounting Data

