LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

breez™

BREEZ Series Recessed Indirect LED

2BZL

2' x 2'
LED

eldoLED DLC QPL LISTED nLIGHT

INDUSTRY RECOGNITION/AWARDS

Patent No.: US D677,820 S

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® intergrated 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.

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/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

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

Example: 2BZL2 30L EZ1 LP835

2BZL2						
Series	**Lumens[2]**	**Voltage**	**Driver**	**Color temperature**	**Controls[6]**	**Options**
2BZL2 BZL LED[1]	24L 2400 lumens 30L 3000 lumens 34L 3400 lumens	(blank) MVOLT (120-277V)	EZ1 eldoLED dims to 1% (0-10 volt dimming) EZB eldoLED dims to black (0-10 volt dimming) EDB eldoLED DALI[3] EXB eldoLED DMX/RDM[3,4] SLD Step-level dimming[3]	LP830 82 CRI, 3000 K[5] LP835 82 CRI, 3500 K LP840 82 CRI, 4000 K	(blank) No controls N80 nlight® with 80% lumen management N80EMG nlight® with 80% lumen management. For use with generator supply EM power N100 nlight® without lumen management N100EMG nlight® without lumen management. For use with generator supply EM power	JP32 Palletized job pack, qty. 32 EL14L 1400 lumen battery pack

Performance Data

Lumen Package	Color Temp (K)	Lumens	Watts	LPW
24L	3000	2368	24	97
	3500	2397	24	100
	4000	2567	24	105
30L	3000	2936	33	82
	3500	3098	33	94
	4000	3185	33	96
34L	3000	3378	40	84
	3500	3672	41	90
	4000	3774	41	93

Actual wattage may differ by +/- 5% when operating between 120-277V +/- 10%

Accessories: *Order as separate catalog number.*

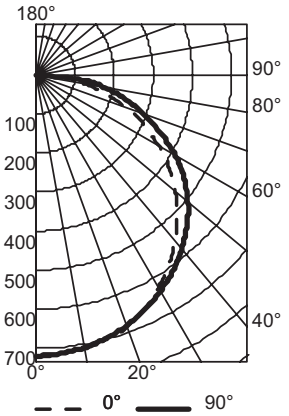
DGA22	Drywall ceiling adaptor , unit installation

Notes

1 Air function not available.
2 Approximate lumen output.
3 Not available with N80,N80EMG,N100 or N100EMG.
4 EXB option not available for 24L and 30L .
5 Consult factory for lead time.
6 nIO access limitations.

PHOTOMETRICS

2BZL2 24L EZ1 LP835, 2397 delivered lumens, test no. LTL 24736, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	720	720
5°	717	716
15°	697	698
25°	660	662
35°	594	612
45°	512	546
55°	417	464
65°	306	352
75°	183	234
85°	59	97
90	0	0

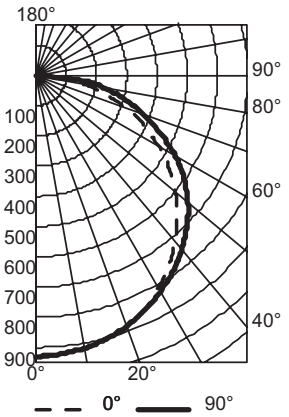
Coefficients of Utilization

	pf				20%					
	pc	80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	107	102	97	100	95	92	96	92	89
	2	97	88	81	86	79	73	82	77	72
	3	88	77	68	75	67	60	72	65	59
	4	80	67	58	66	57	51	63	56	50
	5	73	60	50	59	50	43	57	49	43
	6	68	54	44	53	44	37	51	43	37
	7	63	49	39	48	39	33	46	38	33
	8	58	44	35	43	35	29	42	34	29
	9	54	40	32	40	32	26	39	31	26
	10	51	37	29	37	29	24	36	28	24

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	571	23.8	23.8
0° - 40°	950	39.6	39.6
0° - 60°	1759	73.4	73.4
0° - 90°	2398	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2398	100.0	100.0

2BZL2 30L EZ1 LP835, 3098 delivered lumens, test no. LTL 24736P3, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	930	930
5°	926	925
15°	901	902
25°	853	855
35°	767	791
45°	662	705
55°	539	599
65°	395	455
75°	236	302
85°	76	125
90	0	0

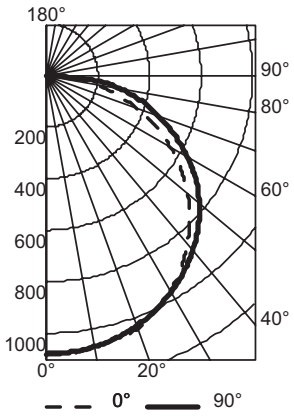
Coefficients of Utilization

	pf				20%					
	pc	80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	107	102	97	100	95	92	96	92	89
	2	97	88	81	86	79	73	82	77	72
	3	88	77	68	75	67	60	72	65	59
	4	80	67	58	66	57	51	63	56	50
	5	73	60	50	59	50	43	57	49	43
	6	68	54	44	53	44	37	51	43	37
	7	63	49	39	48	39	33	46	38	33
	8	58	44	35	43	35	29	42	34	29
	9	54	40	32	40	32	26	39	31	26
	10	51	37	29	37	29	24	36	28	24

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	737	23.8	23.8
0° - 40°	1228	39.6	39.6
0° - 60°	2273	73.4	73.4
0° - 90°	3098	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3098	100.0	100.0

2BZL2 34L LP835 EZ1, 3672 delivered lumens, test no. LTL25223P, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	1080	1080
5°	1081	1077
15°	1057	1053
25°	1008	1004
35°	911	930
45°	786	833
55°	639	710
65°	468	551
75°	283	382
85°	92	158
90	1	2

Coefficients of Utilization

	pf				20%					
	pc	80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	107	102	97	100	95	91	95	92	88
	2	97	88	80	86	79	73	82	76	71
	3	88	76	67	75	66	60	72	65	59
	4	80	67	58	66	57	50	63	55	49
	5	73	60	50	58	50	43	56	48	42
	6	67	53	44	52	44	37	51	43	37
	7	62	48	39	47	39	33	46	38	32
	8	58	44	35	43	35	29	42	34	29
	9	54	40	32	40	31	26	38	31	26
	10	51	37	29	37	29	23	36	28	23

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	863	23.5	23.5
0° - 40°	1439	39.2	39.2
0° - 60°	2672	72.8	72.8
0° - 90°	3670	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	2	0.0	0.0
90° - 180°	2	0.0	0.0
0° - 180°	3672	100.0	100.0

LITHONIA LIGHTING®
An AcuityBrands Company

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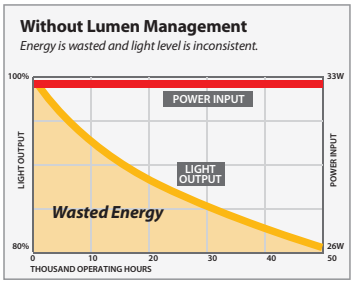
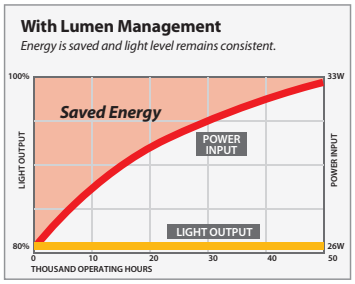
nLight® Control Accessories:
Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM 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

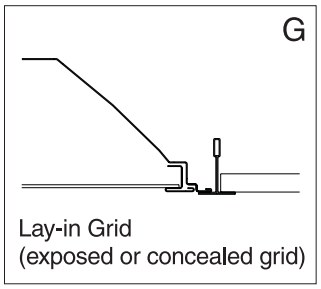
Constant Lumen Management

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



Dimensions

All dimensions are inches (centimeters) unless otherwise specified.

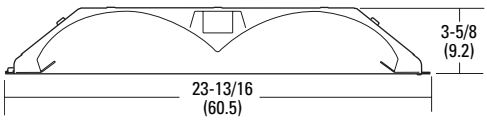
Specifications

Length: 24 (61.0)

Width: 23-13/16 (60.5)

Depth: 3-5/8 (9.2)

Weight: 18lbs



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