LITHONIA LIGHTING®

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.

Catalog Number	
Notes	
Type	

breez™

BREEZ Series Recessed Indirect LED

2BZL

2' x 4'

LED

eldoLED DLC QPL LISTED nLIGHT

INDUSTRY RECOGNITION/AWARDS

Patent No.: US D677,820 S

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: 2BZL4 48L EZ1 LP835 N100

2BZL4													
Series		**Lumens[2]**		**Voltage**		**Driver**		**Color temperature**		**Controls[5]**		**Options**	
2BZL4	BZL LED[1]	40L	4000 lumens	(blank)	MVOLT (120-277V)	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	82 CRI, 3000K[4]	(blank)	No controls	JP16	Palletized job pack, qty. 32
		48L	4800 lumens			EZB	eldoLED dims to black (0-10 volt dimming)	LP835	82 CRI, 3500K	N80	nLight with 80% (L80) lumen management	EL14L	1400 lumen battery pack
		60L	6000 lumens			EDB	eldoLED DALI[3]	LP840	82 CRI, 4000K	N80EMG	nlight® with 80% lumen management. For use with generator supply EM power		
						EXB	eldoLED DMX/RDM[3]			N100	nLight without lumen management		
						SLD	Step-level dimming[3]			N100EMG	nlight® without lumen management. For use with generator supply EM power		

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

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

Accessories: *Order as separate catalog number.*	
DGA24	Drywall ceiling adaptor , unit installation

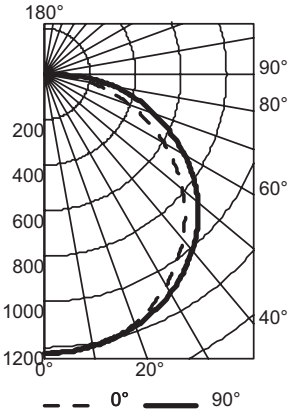
Notes

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

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.



CP Summary

	0°	90
0°	1225	1225
5°	1220	1223
15°	1191	1198
25°	1121	1146
35°	1012	1064
45°	872	949
55°	701	801
65°	505	612
75°	299	415
85°	96	182
90	0	0

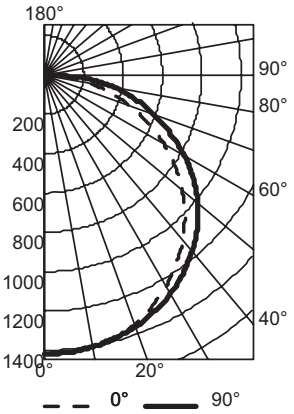
Coefficients of Utilization

	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	91	95	92	88			
	2	97	88	80	86	79	73	82	76	71			
	3	88	76	68	75	67	60	72	65	59			
	4	80	67	58	66	57	50	63	56	50			
	5	73	60	50	59	50	43	56	48	42			
	6	68	54	44	53	44	37	51	43	37			
	7	63	48	39	48	39	33	46	38	32			
	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	23	36	28	23			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	978	23.6	23.6
0° - 40°	1631	39.4	39.4
0° - 60°	3023	73.0	73.0
0° - 90°	4143	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	4143	100.0	100.0

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



CP Summary

	0°	90
0°	1417	1417
5°	1411	1415
15°	1378	1386
25°	1296	1326
35°	1171	1231
45°	1009	1098
55°	811	927
65°	585	708
75°	345	480
85°	111	211
90	0	0

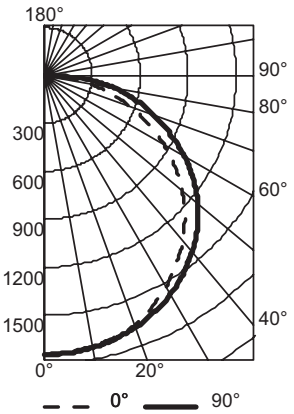
Coefficients of Utilization

	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	91	95	92	88			
	2	97	88	80	86	79	73	82	76	71			
	3	88	76	68	75	67	60	72	65	59			
	4	80	67	58	66	57	50	63	56	50			
	5	73	60	50	59	50	43	56	48	42			
	6	68	54	44	53	44	37	51	43	37			
	7	63	48	39	48	39	33	46	38	32			
	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	23	36	28	23			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1132	23.6	23.6
0° - 40°	1887	39.4	39.4
0° - 60°	3497	73.0	73.0
0° - 90°	4793	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	4793	100.0	100.0

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



CP Summary

	0°	90
0°	1745	1745
5°	1738	1743
15°	1698	1708
25°	1597	1633
35°	1442	1516
45°	1243	1353
55°	999	1141
65°	720	873
75°	425	591
85°	137	259
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	91	95	92	88			
	2	97	88	80	86	79	73	82	76	71			
	3	88	76	68	75	67	60	72	65	59			
	4	80	67	58	66	57	50	63	56	50			
	5	73	60	50	59	50	43	56	48	42			
	6	68	54	44	53	44	37	51	43	37			
	7	63	48	39	48	39	33	46	38	32			
	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	23	36	28	23			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1394	23.6	23.6
0° - 40°	2325	39.4	39.4
0° - 60°	4307	73.0	73.0
0° - 90°	5904	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	5904	100.0	100.0

LED: One Lithonia Way, Conyers, GA 30012 Phone: 800-858-7763 Fax: 770-929-8789 www.lithonia.com

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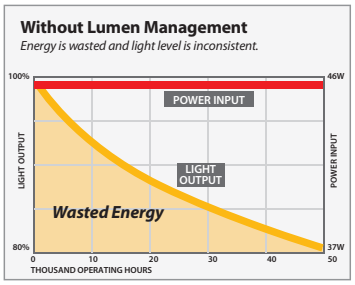
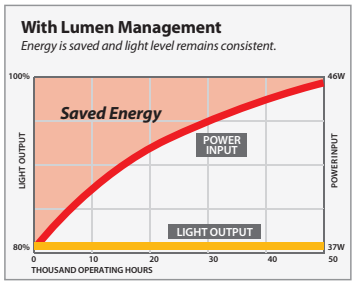
nLight® Control Accessories:
Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

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

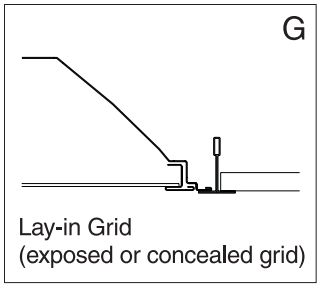
Constant Lumen Management

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.

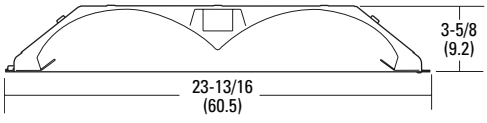
Specifications

Length: 48 (121.9)

Width: 23-13/16 (60.5)

Depth: 3-5/8 (9.2)

Weight: 18lbs



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