

FEATURES & SPECIFICATIONS

INTENDED USE — For applications that require the clean appearance of a low profile, brightness controlled wraparound. Provides broad distribution of light for offices, schools and corridors. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Metal parts are die formed from code-gauge steel. Prismatic diffuser is 100% acrylic with sonically welded luminous ends. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance.

Finish: Five stage iron-phosphate pretreatment assure superior paint adhesion and rust resistance.

Painted parts finished with high-gloss, high-reflectivity baked white polyester enamel (low VOC).

OPTICS — Curved prismatic diffuser with linear side prisms minimize lamp image and provides high angle brightness control. Luminous end plates soften appearance for improved aesthetics.

ELECTRICAL — Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

UL/CSA Listed ballast disconnect w/strain relief and leads provided standard.

LISTINGS — UL Listed to US and Canadian safety standards. Optional: Canada CSA or Mexico NOM

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Low-Profile Wraparound



LB

T8/T5
NARROW BODY
2', 4' or 8' length
2 lamps

Specifications

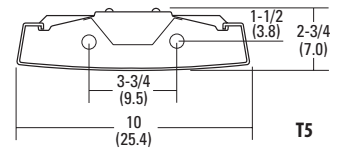
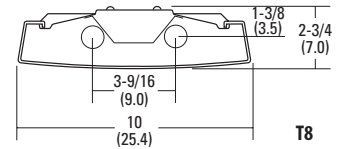
T8 length: 24 (61.0)
48 (122.0)

96 (243.9)

T5 length: 22-1/2 (57.2)
46-1/2 (118.1)
92-1/2 (235.0)

Width: 10 (25.4)

Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless specified otherwise.

ORDERING INFORMATION

For shortest lead times, configure products using standard options (**shown in bold**.)

Example: LB 2 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Voltage	Options
LB 2 lamps, 10" wide For tandem double-length unit, add prefix T. Example: TLB	2 Not included	17 17W T8 (24")	120	GEB10IS Electronic ballast, ≤10% THD, instant start
		32 32W T8 (48")	277	GEB10PS Electronic ballast, ≤10% THD, programmed start
		14T5 14W T5 (22-1/2")	347	GEB95 .95 ballast factor ²
		28T5 28W T5 (46-1/2")	MVOLT¹	GEB95S .95 ballast factor, step dimming ²
		54T5HO 54W T5 HO (46-1/2")	Others available	EL Emergency battery pack (nominal 300 lumens, see Life Safety Section) ³
				EL14 Emergency battery pack (nominal 1400 lumens, see Life Safety Section) ³
			GLR Internal fast-blow fuse ⁴	
			GMF Internal slow-blow fuse ⁴	
			CSA Listed and labeled to comply with Canadian Standards	
			SSR Specular silver interior finish (95% reflective)	
			NOM NOM certified	

Accessories: Order as separate catalog number.

SQ	Swivel-stem hanger (specify in 2" increments)
1B	Ceiling spacer (adjusts from 1-1/2" to 2-1/2" from ceiling)

Notes

- 1 Electronic ballast 120V through 277V only.
- 2 Only available with 14T5 or 28T5.
- 3 Not available with T5 2' configuration.
- 4 Must specify voltage.

LB Low-Profile Wraparound, Narrow Body

MOUNTING DATA

For unit or row installation, surface or stem mounting. Stem mounting not available on TLB units.

Individual installation — Two single-stem hangers required.

Row installation — One hanger per fixture plus one per row required.

See ACCESSORIES below for hanging devices.

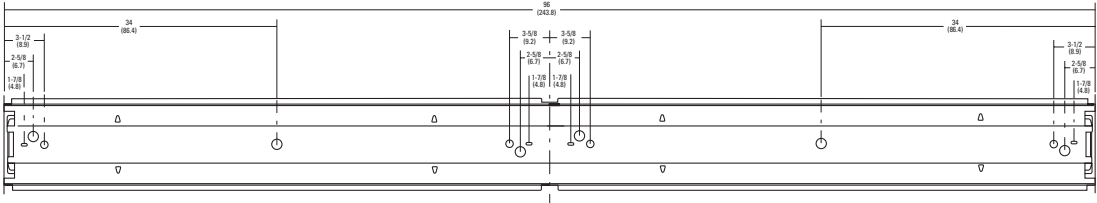
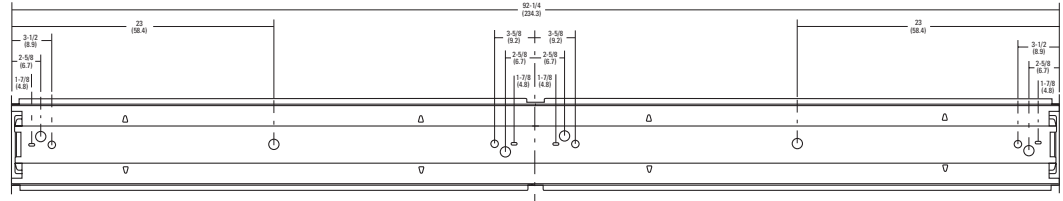
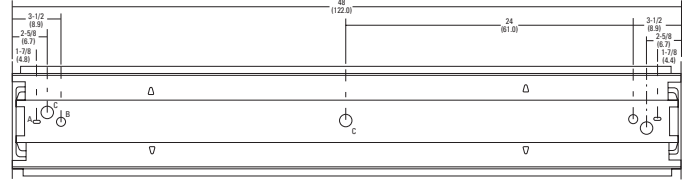
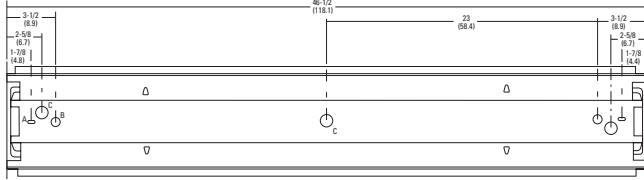
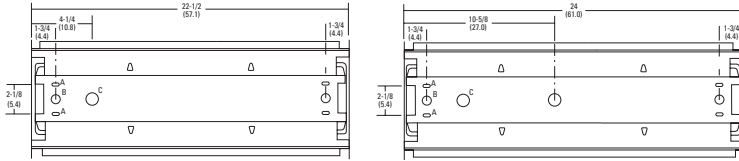
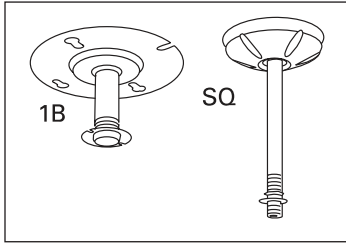
DIMENSIONS

Inches (centimeters). Subject to change without notice.

A = 1/4 x 1/2 (.635 x 1.27) Oval Hole

B = 11/16 (1.74) Dia. K.O.

C = 7/8 (2.22) Dia. K.O.



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

Test # BAL16520 - LB 2 32 MVOLT

Coefficients of Utilization

20%

RCR	pc	Coefficients of Utilization												
		80%			50%			30%			10%			0%
		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	103	103	103	92	92	92	86	86	86	80	80	80	77	77
1	89	86	82	80	77	75	75	73	70	70	68	66	64	64
2	79	73	68	71	66	63	66	63	59	62	59	56	54	54
3	70	63	57	63	58	53	59	54	51	55	52	48	46	46
4	62	55	49	56	51	46	53	48	44	50	46	42	40	40
5	56	48	42	51	45	40	48	43	39	45	41	37	35	35
6	50	43	37	46	40	35	43	38	34	41	36	33	31	31
7	46	38	33	42	36	31	40	34	30	38	33	29	28	28
8	42	35	30	39	32	28	36	31	27	35	30	26	25	25
9	38	31	27	35	30	25	34	28	25	32	27	24	22	22
10	35	29	24	33	27	23	31	26	23	30	25	22	20	20

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1383.1	23.4	26.3
0° - 40°	2263.3	38.4	43.1
0° - 60°	3676.3	62.3	69.9
0° - 90°	4533.6	76.8	86.3
90° - 180°	722.4	12.2	13.7
0° - 180°	5256.0	89.1	100.0

Test # LTL 19928 - LB 2 28T5 GEB95

Coefficient of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC%	Coefficient of Utilization - Zonal Cavity Method														
	80%			70%			50%			30%			0%		
RW%	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0
RCR 0	1.03	1.03	1.03	1.03	1.00	1.00	1.00	.77	.93	.93	.93	.86	.86	.86	.80
1	.94	.90	.86	.82	.90	.86	.83	.65	.81	.78	.75	.75	.73	.71	.70
2	.86	.79	.73	.68	.83	.76	.71	.55	.71	.67	.63	.66	.63	.60	.62
3	.79	.70	.63	.57	.76	.67	.61	.48	.63	.58	.54	.59	.55	.51	.56
4	.72	.62	.55	.49	.70	.60	.53	.42	.57	.51	.46	.53	.48	.44	.50
5	.67	.56	.48	.43	.64	.54	.47	.37	.51	.45	.40	.48	.43	.39	.45
6	.62	.51	.43	.37	.59	.49	.42	.33	.46	.40	.36	.44	.38	.34	.41
7	.57	.46	.39	.33	.55	.45	.38	.29	.42	.36	.32	.40	.35	.31	.38
8	.54	.42	.35	.30	.52	.41	.34	.26	.39	.33	.28	.37	.32	.28	.35
9	.50	.39	.32	.27	.48	.38	.31	.24	.36	.30	.26	.34	.29	.25	.32
10	.47	.36	.29	.24	.45	.35	.28	.22	.33	.27	.23	.32	.26	.23	.30

Zonal Lumens Summary

Zone	Lumens	% Lamp	% Fixture
0-30	1,239.0	23.8	26.7
0-40	2,020.6	38.9	43.6
0-60	3,264.4	62.8	70.4
60-90	765.6	14.7	16.5
70-100	626.7	12.1	13.5
90-120	421.8	8.1	9.1
0-90	4,030.0	77.5	86.9
90-180	607.0	11.7	13.1
0-180	4,637.0	89.2	100



LB-N