

FEATURES & SPECIFICATIONS

INTENDED USE

Surface-mounted enclosed luminaire provides general illumination for rough service, ceiling or wall mount applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

ATTRIBUTES

Designed for high efficiency, low lens brightness, and excellent lens surface uniformity. Uses T8 and T5 lamps and electronic ballast components.

CONSTRUCTION

Housing – Heavy-duty, 16-gauge galvanized steel, one-piece housing for durability and security.

Ballast Cover – Ballast and lampholders are installed to ballast cover to provide easy installation and service. Ballast cover safety chains included.

Gasket – One piece, closed cell neoprene pad mounting gasket is factory-installed to help seal against moisture, dust and insects.

FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-reflectance, white polyester powder coat.

OPTICAL SYSTEM

Clear prismatic, injection-molded and UV-stabilized polycarbonate lens (0.130 inch thickness) completely encloses face and all sides of housing. No exposed metal surfaces. Lens is secured to housing with tamper-resistant TORX® TX-20 screws with center-pin reject (included). Optional lens (SCE) features easily removable molded-in lens membranes centered over endplate knockouts for surface conduit and wiring access. See instructions for continuous row mounting.

ELECTRICAL SYSTEM

Thermally-protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. GEB, GEB10IS and MVOLT electronic ballasts have 0°F start temperature.

LISTING

UL listed to US and Canadian safety standards (see Options). UL listed and labeled for wet locations. Specifications subject to change without notice.

Catalog Number
Notes
Type

Enclosed Linear Fluorescent

VSL

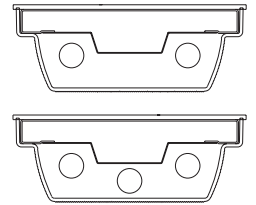
2 or 3 Lamps
2' or 4' Length



Specifications

	VSL 2'	VSL 4'
Length:	25-3/8" (64.5)	49-3/8" (125.4)
Width:	8-7/8" (22.5)	8-7/8" (22.5)
Depth:	3-3/8" (86)	3-3/8" (86)
Weight:	13lbs/6kg	25lbs/11kg

All dimensions are in inches (millimeters).



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VSL 2 32 MVOLT GEB10IS

VSL	Number of lamps ¹	Lamp type	Lens type	Voltage	Ballast	Options
VSL	2 3 ²	17 17W T8 (24") 28T5 28W T5 (48") 32 32W T8 (48") 54T5HO 54W T5HO (48") ³	(blank) Solid-end lens SCE Surface conduit entry lens ⁴	120 277 347 MVOLT⁵	GEB10IS Instant start electronic ballast <10% THD GEB10RS Rapid start electronic ballast <10% THD ⁶ GEB10PS Programmed rapid start electronic ballast <10% THD GEB10PS90 Programmed start electronic ballast <10% THD	<u>Shipped installed in fixture</u> DL Damp location ⁷ ELDW Emergency lighting wet location ^{8,9} GLR Internal fast-blow fusing ¹⁰ NLCF Compact fluorescent night-light (9W max) ¹¹ RIF1 Radio interference filter, one per fixture RIF2 Radio interference filter, one per ballast CSA Listed and labeled to comply with Canadian Standards

NOTES:

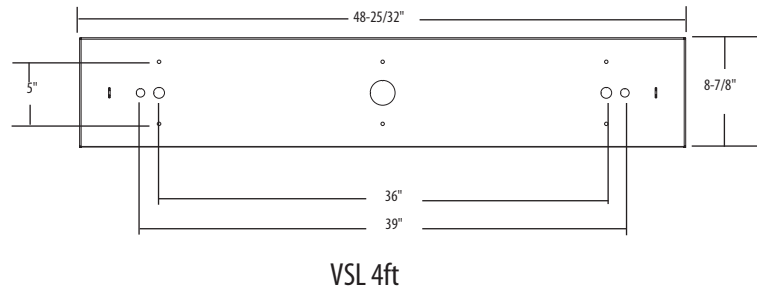
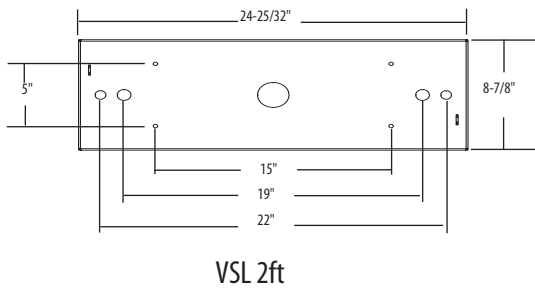
- Lamps not included.
- 3-lamp model available in 32W T8 and 28T5 only.
- Requires GEB10PS90 ballast.
- Provided with one pair of surface conduit gaskets.
- Electronic ballast 120 through 277V only. MVOLT must specify GEB10IS.
- Available 347V T8 only.
- When DL option is specified, fixture will not be supplied with the pad mounting gasket.
- Available in 4-foot fixtures only.
- Luminaires ordered with ELDW (example: ELSDW) will bear UL emergency lighting equipment label.
- Must specify voltage.
- Not available in 3-lamp model.

Accessories: Order as separate catalog number.	
RK1 T20BIT	Hex-base driver bit, Torx® TX-20
RK1 T20DRV	Screwdriver, Torx® TX-20
SCG	Surface conduit gasket (one pair, not installed)

VSL Enclosed Linear Fluorescent Lighting

MOUNTING DATA

For unit or row installation, surface mounting. Use fasteners suitable for ceiling or wall material. Refer to instruction sheet for specific details on row or conduit mounting.



PHOTOMETRICS

Full photometric data available upon request.

VSL 2 32 GEB Test No. LTL 8993

r ^f	COEFFICIENT OF UTILIZATION														
	80%				50%				30%				10%		0%
	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	77	77	77	77	69	69	69	64	64	64	59	59	59	57	
1	67	63	59	56	56	53	51	52	50	48	48	46	45	43	
2	60	54	48	44	48	44	40	44	41	38	41	38	36	34	
3	54	46	40	35	41	37	33	38	34	31	36	32	29	27	
4	50	41	34	29	36	31	27	34	30	26	31	28	25	23	
5	45	36	30	25	32	27	23	30	26	22	28	24	21	20	
6	42	32	26	22	29	24	20	27	23	19	25	22	19	17	
7	39	29	23	19	26	21	18	25	20	17	23	19	16	15	
8	36	27	21	17	24	19	16	23	18	15	21	17	15	13	
9	34	24	19	15	22	17	14	21	17	14	20	16	13	12	
10	31	22	17	13	20	16	13	19	15	12	18	14	12	11	

ZONAL LUMENS SUMMARY

Zone	Lumens	% lamp
0°-30°	714	12.5
0°-40°	1166	20.5
0°-60°	2078	36.5
0°-90°	3295	57.8
90°-180°	494	8.7
0°-180°	3789	*66.5

*Fixture efficiency

VSL 3 32 GEB Test No. LTL 8995

r ^f	COEFFICIENT OF UTILIZATION														
	80%				50%				30%				10%		0%
	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	74	74	74	74	66	66	66	62	62	62	58	58	58	56	
1	65	61	57	54	55	52	50	51	49	47	47	46	44	42	
2	58	52	47	43	47	43	39	43	40	37	40	38	35	34	
3	53	45	40	35	41	36	32	38	34	31	35	32	30	28	
4	48	40	34	29	36	31	27	34	30	26	31	28	25	23	
5	44	36	30	25	32	27	24	30	26	23	28	25	22	20	
26	41	32	26	22	29	24	21	27	23	20	26	22	19	18	
7	38	29	23	19	26	22	18	25	21	18	23	20	17	16	
8	35	26	21	17	24	20	16	23	19	16	22	18	15	14	
9	33	24	19	15	22	18	15	21	17	14	20	16	14	12	
10	31	22	17	14	21	16	13	20	16	13	19	15	12	11	

ZONAL LUMENS SUMMARY

Zone	Lumens	% lamp
0°-30°	1184	13.8
0°-40°	1858	21.7
0°-60°	3130	36.6
0°-90°	4822	56.4
90°-180°	632	7.4
0°-180°	5455	*63.8

*Fixture efficiency