

GUARDSMAN GVS SERIES 2X4

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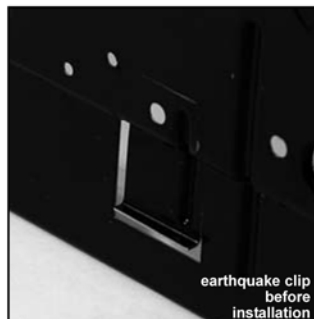
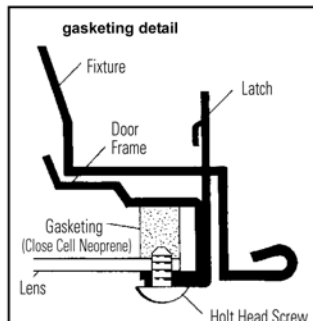
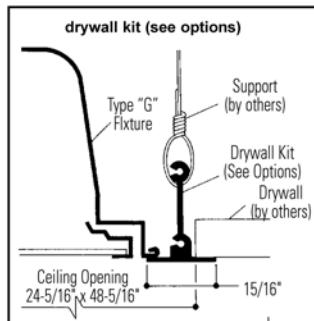
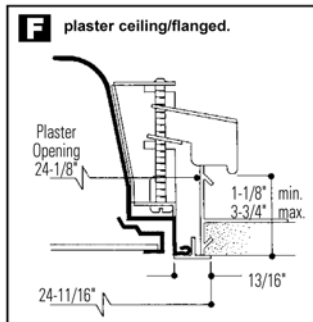
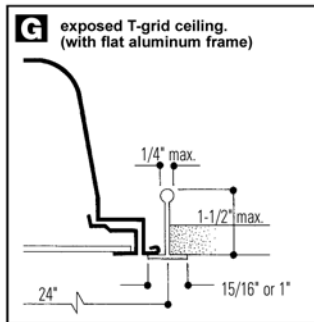
VANDAL RESISTANT 2'x4' RECESSED FLUORESCENT
STATIC 2, 3 OR 4 LAMP T8 OR T12

Features

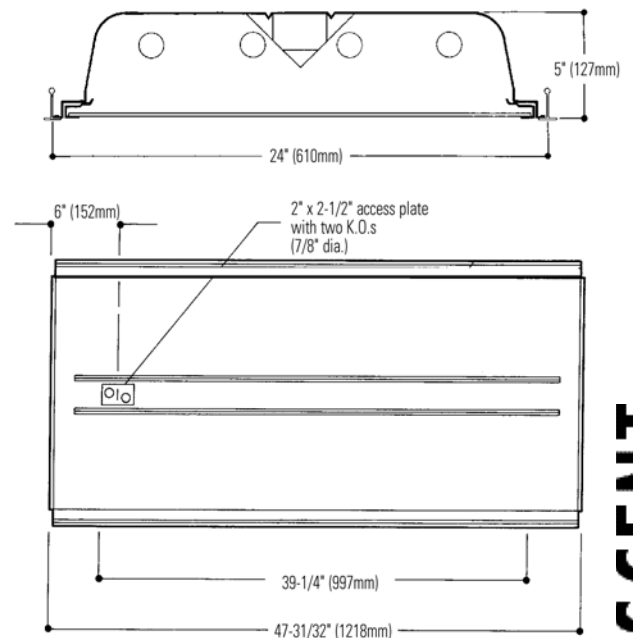
- Excellent for locations where vandal resistance is required.
- Prismatic lens (VL) is 3/16" thick pattern 12, minimum impact strength, 130 foot pounds.
- Prismatic lens (VK) is 9/64" thick pattern 12, minimum impact strength, 80 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 5" deep body.
- 74.4% efficient (T8).
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Spring loaded rooster head latches.
- 18 gauge steel hinges.



Mounting Methods / Features



Dimensions



FIXTURE TYPE	VOLTS
JOB INFORMATION: _____	

GUARDSMAN GVS SERIES 2X4

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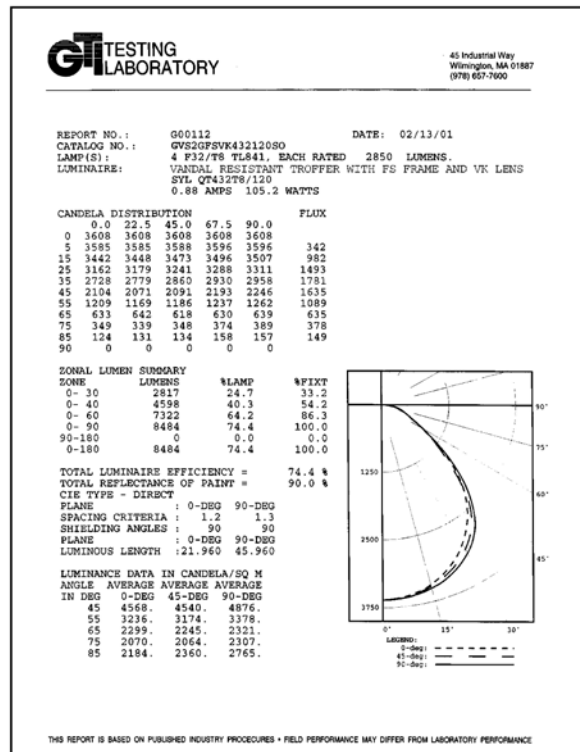
VANDAL RESISTANT 2'x4' RECESSED FLUORESCENT STATIC 2, 3 OR 4 LAMP T8 OR T12

PHOTOMETRY

MODEL NO. GVS2GFSVK432

LER = FL - 69.0 IW - 105 BF - 0.86

Comparative yearly lighting energy cost per 1000 lumens = \$3.48



coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

	RF	20			50			80		
		70	50	30	50	30	10	50	30	10
room cavity ratio	1	82	79	76	74	72	70	71	69	68
	2	75	70	65	66	62	59	63	60	58
	3	69	62	56	59	54	51	57	53	50
	4	64	56	50	53	48	44	51	47	43
	5	59	50	44	48	43	39	46	42	38
	6	55	45	39	43	38	34	42	38	34
	7	51	41	35	40	34	31	39	34	30
	8	47	38	32	36	31	28	36	31	27
	9	44	35	29	34	29	25	33	28	25
	10	42	32	27	31	26	23	31	26	23

visual comfort probability (rated lumens per lamp 3150.)

room size		ceiling height				ceiling height			
W L		8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	63	67	74	79	62	66	73	78
20	30	56	60	65	70	54	59	64	69
20	40	52	55	60	64	49	53	59	63
20	60	49	52	55	59	45	49	53	58
30	20	63	68	73	78	63	67	72	77
30	30	56	60	64	69	54	59	64	68
30	40	51	55	58	62	49	53	57	61
30	60	48	51	53	57	44	48	51	55
30	80	46	49	50	54	42	45	48	52
40	20	65	69	74	78	64	69	73	77
40	30	57	61	65	68	55	60	64	68
40	40	52	55	59	62	50	53	57	61
40	60	48	51	53	56	45	48	51	55
40	80	46	49	49	53	43	45	47	51
40	100	46	48	48	50	42	44	45	48
60	30	57	61	65	69	57	61	65	68
60	40	52	55	58	62	51	54	58	61
60	60	48	51	52	56	46	48	51	54
60	80	46	48	49	52	43	45	46	50
60	100	46	47	47	49	42	43	44	47
100	40	55	58	60	64	54	57	60	63
100	60	51	52	53	57	49	51	52	56
100	80	48	50	50	53	46	47	48	51
100	100	47	48	47	50	44	45	45	47

Ordering Information Explanation of Catalogue Number Example: GVS2GFSVK43212004

GV	S	2	G	FS	VK	4	32	120	04	OPTIONS
GUARDSMAN VANDAL RESISTANT	STATIC	FIXTURE WIDTH	CEILING TYPE	LENS FRAME	LENS/ SHIELDING TYPE	LAMP QUANTITY	LAMP/FIXTURE LENGTH	VOLTAGE 120 OR 277	BALLAST TYPE	Add appropriate suffix to catalog no.
			G= Grid (lay-in T bar) F=Flanged (overlap) Z spline and plaster frame	FS= Flat steel frame	VK=High impact .140 thick Prismatic Lens VL=High impact .187 thick Prismatic Lens	2=2 Lamp 3=3 Lamp 4=4 Lamp	32=T8 34=T12 (Nominal 48")	<20THD S0* S0* O3* O4* PS	LE 1 & 2 Lamp Mag. T12 LE 2-2 Lamp Mag. T12 HI* 1 & 2 Lamp Elec. T8 HI* 1-2 Lamp Elec. T8 H3* 1-3 Lamp Elec. T8 H4* 1-4 Lamp Elec. T8 — LOL Dimming (T8)	
									*Instant Start Standard	

OPTIONS/ACCESSORIES

SCREWDRIIVER: For holt head screw. Order Catalog Number:

LP156737

FUSING: Internal fast-blow fusing. SUFFK: F.

ELECTRICAL/WIRING OPTIONS: Consult factory.

DRYWALL KIT: Order Catalog Number: **FK92X4**.

(Request Folio OA30-10).

SPECIFICATIONS

PERFORMANCE: In an installation of 4 lamp 32W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .79. To prevent glare the VCP shall be not less than 46 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 2321 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 66.8%.

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. Housing with side rails hemmed over and housing ends turned-in for safe handling.

FINISH: Chassis exterior-black baked polyester enamel. Cavity-white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.

LENSES: (VL) Prismatic lens is 3/16" thick pattern 12, minimum impact strength, 130 foot pounds. (VK) Prismatic lens is 9/64" thick pattern 12, minimum impact strength, 80 foot pounds.

ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

LABELS: I.B.E.W./UL and C-UL.

Job Information

Type:

Lightolier a Genlyte Thomas Company

Technical Information: (978) 657-7600 - (978) 658-0595

631 Airport Road, Fall River, MA 02720 - (508) 679-8131

C.F.I. Division of Canlyte, Inc.

525 Education Road, Cornwall, Ontario, Canada K6H 6C7 - (613) 938-6221

We reserve the right to change details of design, materials and finish.

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A0902

Section 6 / Folio U-P20-92

CFI FLUORESCENT