

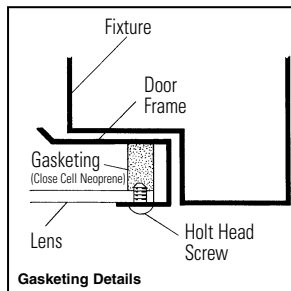
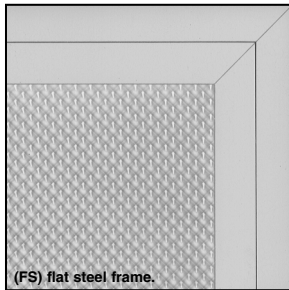
# GUARDSMAN GVB SERIES 1X4

## Features

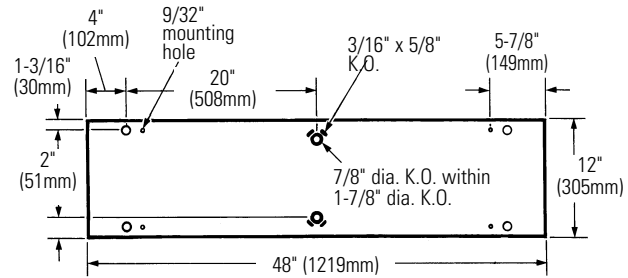
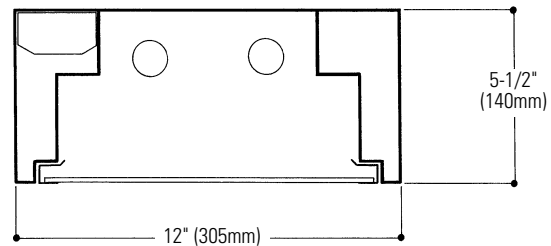
- Excellent for locations where vandal resistance is required.
- 20 gauge steel body.
- Prismatic lens is 3/16" thick, pattern 12, minimum impact strength, 130 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 45° mitered corners (body and door frame).
- Only 5-1/2" deep.
- 54.9% efficient (2 lamp T8).
- Side mounted ballast for cooler operation.
- Fully enclosed wiring.
- Meets NYC Code requirements.



## FEATURES



## DIMENSIONS



### Job Information

### Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Volts/Ballast:**

Lightolier a Genlyte Thomas Company

www.lightolier.com

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

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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

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A0902

Section 6A/Folio P40-10

LIGHTOLIER®



# GUARDSMAN GVB SERIES 1X4

## PHOTOMETRY

G TESTING LABORATORY

45 Industrial Way  
Wilmington, MA 01887  
(978) 657-7600

REPORT NO.: G02038      DATE: 04-16-02  
 CATALOG NO.: GVB1SFSVL232120SO  
 LAMP(S): 2 P32/T8 TL841, ERCH RATED 2850 LUMENS.  
 LUMINAIRE: GVB VERSION OF MODULAR 1X4  
 TRIAD B2321120  
 0.47 AMPS 55.6 WATTS

CANDELA DISTRIBUTION      FLUX

0	0	22.5	45.0	67.5	90.0
0	1452	1452	1452	1452	1452
5	1434	1442	1447	1454	1460
15	1374	1387	1400	1413	1419
25	1256	1273	1283	1284	1283
35	1067	1081	1073	1051	1046
45	775	764	736	725	721
55	467	444	404	397	406
65	242	217	197	202	199
75	121	126	125	129	131
85	47	46	41	47	47
90	0	0	0	0	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	1121	19.7	35.8
0-40	1785	31.3	57.1
0-60	2736	48.0	87.5
0-90	3128	54.9	100.0
90-180	0	0.0	0.0
0-180	3128	54.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 54.9 %  
 TOTAL REFLECTANCE OF PAINT = 90.0 %  
 CIE TYPE = DIRECT

PLANE : 0-DEG 90-DEG  
 SPACING CRITERIA : 1.2 1.2  
 PLANE : 0-DEG 90-DEG  
 LUMINOUS LENGTH : 45.960 9.960

LUMINANCE DATA IN CANDELA/SQ M

ANGLE	AVERAGE	AVERAGE	AVERAGE
45	3710	3523	3451
55	2756	2384	2396
65	1938	1578	1594
75	1582	1635	1713
85	1825	1592	1825

0°      15°      30°

0-deg  
15-deg  
30-deg

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

## MODEL NO. GVB1SFSVL232120SO

### coefficients of utilization — zonal cavity method

RF	20			20			20		
	80			50			30		
	70	50	30	50	30	10	50	30	10
1	60	58	56	55	53	52	53	51	50
2	56	52	48	49	46	44	47	45	43
3	51	46	42	44	41	38	42	40	37
4	48	42	37	40	36	33	38	35	33
5	44	38	33	36	32	29	35	32	29
6	41	34	30	33	29	26	32	28	26
7	38	31	27	30	26	23	29	26	23
8	36	29	24	28	24	21	27	24	21
9	33	26	22	26	22	19	25	22	19
10	31	25	20	24	20	18	23	20	18

### visual comfort probability

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	69	73	78	83	70	75	80	84
20	30	62	66	70	74	62	67	73	77
20	40	58	61	66	69	59	62	68	72
20	60	55	58	62	65	54	58	62	66
30	20	69	74	78	82	70	75	80	83
30	30	62	66	70	74	62	66	72	76
30	40	57	61	65	68	57	61	66	70
30	60	54	57	60	63	53	56	60	64
30	80	52	55	55	60	52	54	56	60
40	20	70	75	79	82	71	76	80	83
40	30	63	67	71	74	63	67	72	76
40	40	58	61	65	68	57	61	65	69
40	60	54	57	59	62	53	56	59	63
40	80	52	54	56	59	52	54	55	59
40	100	52	53	54	56	51	53	53	56
60	30	64	67	71	74	64	68	72	76
60	40	59	62	65	68	58	61	65	69
60	60	54	57	58	62	54	56	58	62
60	80	52	54	55	58	52	53	54	58
60	100	52	53	53	55	51	52	52	55
100	40	62	64	66	70	61	64	67	71
100	60	57	59	60	63	57	58	59	63
100	80	55	56	56	59	54	55	55	58
100	100	54	54	53	56	53	53	53	54

## ORDERING INFORMATION Explanation of Catalog Number. Example: GVB1SFSVL232120SOGLR

<b>GV</b>	<b>B</b>	<b>1</b>	<b>S</b>	<b>FS</b>	<b>VL</b>					
GUARDSMAN VANDAL RESISTANT :	BODY STYLE: Surface Box	FIXTURE WIDTH	CEILING TYPE: S=Surface	LENS FRAME: FS= Flat Full Size Steel Frame	LENS/ SHIELDING TYPE: VL=High Impact Prismatic Lens (Standard)	LAMP QUANTITY: (By Others) 1=1 Lamp 2=2 Lamp	LAMP/ FIXTURE LENGTH: 32 =T8 (Normal 48")	VOLTAGE: 120 or 277	BALLAST TYPE: 1 & 2 Lamp Elec T8 LOL Dimming T8 *Instant Start Standard	OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)  <20THD S0*    HI* PS      -

Other dimming options. Consult factory.

## OPTIONS & ACCESSORIES

- FUSING:** Internal fast-blow fusing. SUFFIX: **GLR**.  
Internal slow-blow fusing. SUFFIX: **GMF**.
- RADIO INTERFERENCE FILTER:** 120 or 277 volt, 50 or 60 Hz. One per fixture standard.
- SUFFIX: **RF**.
- ELECTRICAL/WIRING OPTIONS:** Consult factory.

## SPECIFICATIONS

- MATERIALS:** Chassis parts are die-formed 20 gauge cold rolled steel, stud welded for rigidity. **Lens Frame (FS)** flush full-size steel frame.
- FINISH:** Chassis exterior—white baked acrylic enamel. **Cavity**—white baked acrylic enamel minimum reflectance 86%. Phosphate undercoating.
- LENS: (VL)** prismatic lens is 3/16" thick, pattern 12, minimum impact strength, 130 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:

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