

# GUARDSMAN GVB SERIES 2X4

Page 1 of 2

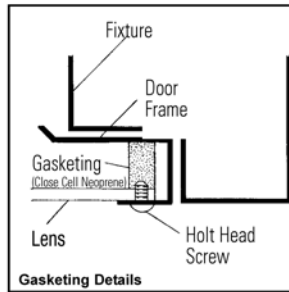
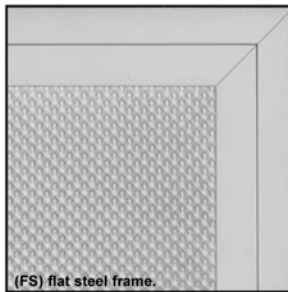
VANDAL RESISTANT 2'X4' SURFACE BOX FLUORESCENT  
2, 3 OR 4 LAMP, T8

## Features

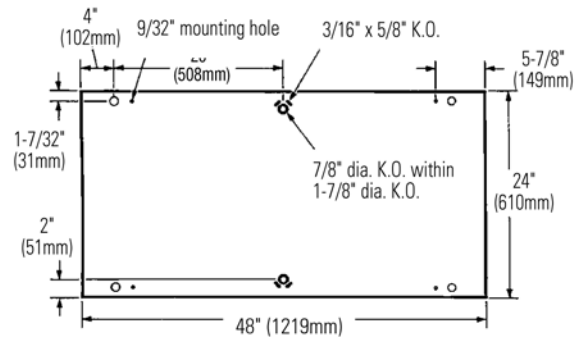
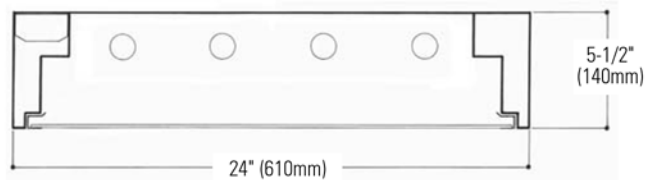
- Excellent for locations where vandal resistance is required.
- 20 gauge steel body.
- Prismatic lens is 3/16" thick, pattern 12, minimum impact strength, 130 foot pounds.
- Full perimeter gasketing (closed cell Neoprene) between door frame and lens.
- Tamper resistant holt head screws secure lens to housing.
- 45° mitered corners (body and door frame).
- Only 5-1/2" deep.
- 65.2% efficient (4 lamp T8).
- Side mounted ballast for cooler operation.
- Fully enclosed wiring.



## Mounting Methods / Features



## Dimensions



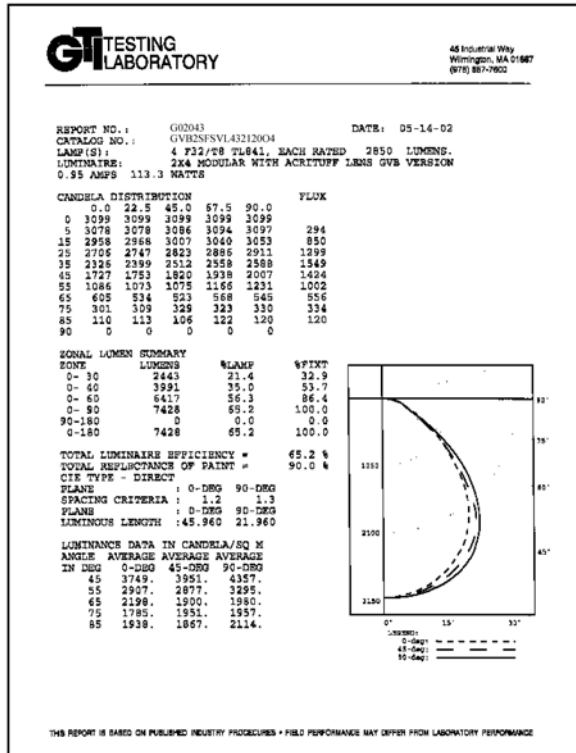
| FIXTURE TYPE           | VOLTS |
|------------------------|-------|
|                        |       |
|                        |       |
|                        |       |
| JOB INFORMATION: _____ |       |
|                        |       |
|                        |       |
|                        |       |

# GUARDSMAN GVB SERIES 2X4

Page 2 of 2

VANDAL RESISTANT 2'X4' SURFACE BOX FLUORESCENT  
2, 3 OR 4 LAMP, T8

## PHOTOMETRY



MODEL NO. GVB2SFSVL43212004

coefficients of utilization — zonal cavity method

| RF | 20 | 20 | 20 |
|----|----|----|----|
| RC | 80 | 50 | 30 |
| RW | 70 | 50 | 30 |
| 1  | 72 | 69 | 66 |
| 2  | 66 | 61 | 57 |
| 3  | 60 | 54 | 49 |
| 4  | 56 | 49 | 43 |
| 5  | 52 | 44 | 38 |
| 6  | 48 | 40 | 34 |
| 7  | 44 | 36 | 31 |
| 8  | 41 | 33 | 28 |
| 9  | 39 | 30 | 25 |
| 10 | 36 | 28 | 23 |

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  | 66             | 70   | 76   | 82   | 65             | 69   | 74   | 79   |
| 20        | 30  | 59             | 63   | 68   | 73   | 57             | 62   | 67   | 71   |
| 20        | 40  | 55             | 58   | 63   | 67   | 53             | 56   | 62   | 66   |
| 20        | 60  | 52             | 55   | 59   | 63   | 49             | 53   | 57   | 61   |
| 30        | 20  | 66             | 71   | 76   | 80   | 66             | 70   | 74   | 79   |
| 30        | 30  | 58             | 63   | 67   | 71   | 57             | 62   | 66   | 70   |
| 30        | 40  | 54             | 57   | 62   | 65   | 52             | 56   | 61   | 64   |
| 30        | 60  | 51             | 54   | 57   | 60   | 48             | 52   | 55   | 59   |
| 30        | 80  | 50             | 52   | 53   | 57   | 47             | 50   | 51   | 55   |
| 40        | 20  | 67             | 72   | 76   | 80   | 67             | 71   | 75   | 79   |
| 40        | 30  | 59             | 63   | 68   | 71   | 58             | 63   | 67   | 70   |
| 40        | 40  | 55             | 58   | 62   | 65   | 53             | 56   | 61   | 64   |
| 40        | 60  | 51             | 54   | 56   | 59   | 49             | 52   | 54   | 58   |
| 40        | 80  | 49             | 51   | 53   | 56   | 47             | 49   | 51   | 54   |
| 40        | 100 | 49             | 51   | 51   | 54   | 47             | 48   | 49   | 51   |
| 60        | 30  | 60             | 64   | 68   | 72   | 59             | 64   | 67   | 71   |
| 60        | 40  | 55             | 58   | 61   | 65   | 54             | 57   | 61   | 64   |
| 60        | 60  | 51             | 53   | 55   | 59   | 50             | 52   | 54   | 58   |
| 60        | 80  | 49             | 51   | 52   | 55   | 48             | 49   | 50   | 53   |
| 60        | 100 | 49             | 50   | 50   | 52   | 47             | 48   | 48   | 50   |
| 100       | 40  | 58             | 60   | 63   | 67   | 57             | 60   | 62   | 66   |
| 100       | 60  | 54             | 55   | 56   | 60   | 53             | 54   | 55   | 59   |
| 100       | 80  | 52             | 51   | 52   | 55   | 51             | 51   | 51   | 54   |
| 100       | 100 | 51             | 51   | 50   | 53   | 50             | 49   | 49   | 50   |

Ordering Information Explanation of Catalogue Number Example: GVB2SFSVL43212004

| GV                               | B                            | 2                | S                             | FS                                    | VL                                                                           | 4                                                    | 32                                              | 120                   | 04                                                                                   | OPTIONS                                             |
|----------------------------------|------------------------------|------------------|-------------------------------|---------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|
| GUARDSMAN<br>VANDAL<br>RESISTANT | BODY<br>STYLE<br>Surface Box | FIXTURE<br>WIDTH | CEILING<br>TYPE<br>S= Surface | LENS FRAME<br>FS= Flat<br>steel frame | LENS/<br>SHIELDING<br>TYPE<br>VL=High impact<br>.187 thick<br>Prismatic Lens | LAMP<br>QUANTITY<br>2=2 Lamp<br>3=3 Lamp<br>4=4 Lamp | LAMP/FIXTURE<br>LENGTH<br>32=T8<br>(Normal 48") | VOLTAGE<br>120 OR 277 | BALLAST TYPE<br>20THD<br>10THD<br>S0*<br>03*<br>04*<br>PS<br>*Instant Start Standard | Options<br>Add appropriate<br>suffix to catalog no. |

## OPTIONS/ACCESSORIES

**FUSING:** Internal fast-flow fusing.

**SUFFIX:** F.

**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, 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 UL Listed.

## Job Information

Type:

Lightolier a Genlyte Thomas Company

Technical Information: (978) 657-7600 – (978) 658-0895

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.

© 2005 Genlyte Thomas Group LLC (Lightolier Division)

A0902

Section 6 / Folio U-P40-14

CFI FLUORESCENT