



The SGB series with built in shelf is designed for use in all levels of security facilities and high abuse applications.

### Mounting

Surface mounts to wall.

### Housing

Die-formed cold rolled steel with seams welded and ground smooth. Stainless steel available.

### Door

One piece, die-formed cold rolled steel door with 14 gauge lens retainers and a full length welded pin piano hinge. Stainless steel available.

### Internal Lens

Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

### Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

### Hardware

Recessed, stainless steel, tamper-proof fasteners.

### Driver

0-10Vdc 1% dimming, >0.9 PF, <20% THD  
Factory programmable, Operating temp -40°C Min. to 50°C Max

### Wiring

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

### Certifications

UL Listed damp or wet location. IP34 rated. Covered ceilings only.

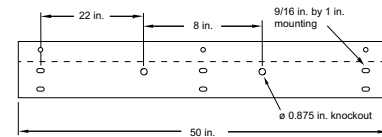
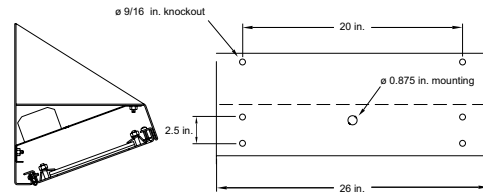


Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_ Date \_\_\_\_\_



one two three four five six seven eight nine ten eleven twelve thirteen fourteen  
 SGB 2 - / - DM - / -

**one Luminaire Size**  
2 2 ft fixture

**two LED Rows**  
1W One  
2W Two

**three Color Temperature**  
30 3000K  
35 3500K  
40 4000K  
50 5000K

**four CRI**  
80 80 CRI  
90 90 CRI

**five Material Gauge**  
N 18 gauge, minimum security  
D 16 gauge, medium security  
X 14 gauge, maximum security

**six Material**  
C Cold rolled steel  
S Stainless steel

**seven Finish**  
R Brushed stainless steel  
W White

**eight Voltage**  
VAR Variable, 120-277 V, 50/60Hz  
347 347VAC, 60Hz

**nine Driver**  
DM 0-10Vdc Dimming, standard

**ten Internal Lens**  
122 Optic Plus LED diffusing acrylic, std  
130 .125 in. LED diffusing Lexan  
53 .125 in. K12 prismatic acrylic  
12 .125 in K12 prismatic polycarbonate  
15 .156 in. K12 prismatic polycarbonate  
16 .187 in. K12 prismatic polycarbonate

**eleven External Lens**  
30 .187 in. clear polycarbonate  
32 .250 in. clear polycarbonate  
36 .375 in. clear polycarbonate  
38 .500 in. clear polycarbonate  
90 .187 in. clear tempered glass  
92 .250 in. clear tempered glass  
96 .375 in. clear tempered glass

**twelve Door Fasteners**  
AP Stainless steel allen head with pin  
TP Stainless steel torx head with pin  
PH Phillips, non-security

**thirteen UL Listing**  
D Damp Location  
W Wet Location

**fourteen Options**  
SO Specified output\*  
2C Two-circuit wired  
CU Canadian UL Listing  
EM Emergency battery backup  
FH Fuse and holder  
NL-LED Night light, LED (Amber available)  
5-100% Adjustability  
IMS Integral Occ Sensor  
PS Security push on/off switch

\* Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

|                    |                  | CRI |                  | LED Life |                  |     |                  |     |             |
|--------------------|------------------|-----|------------------|----------|------------------|-----|------------------|-----|-------------|
|                    |                  | >80 |                  | >100,000 |                  |     |                  |     |             |
| LED Source (Box 2) | 3000K            |     | 3500K            |          | 4000K            |     | 5000K            |     | Input Watts |
|                    | Delivered Lumens | L/W | Delivered Lumens | L/W      | Delivered Lumens | L/W | Delivered Lumens | L/W |             |
| <b>2' Fixture</b>  |                  |     |                  |          |                  |     |                  |     |             |
| <b>1W23</b>        | 2250             | 104 | 2284             | 106      | 2351             | 109 | 2418             | 112 | 21.6        |
| <b>2W43</b>        | 4137             | 106 | 4199             | 107      | 4323             | 110 | 4446             | 114 | 39.1        |
| <b>2W58</b>        | 5538             | 100 | 5620             | 101      | 5786             | 104 | 5951             | 107 | 55.4        |

Delivered lumen output calculated using 122 inner lens and 32 (.250" Clear Polycarbonate) outer lens (Highlighted below).

| Lens Multiplier - Use the multipliers below to adjust the delivered lumens |                                      |            |  |             |               |                                  |  |  |             |
|--|--------------------------------------|------------|--|-------------|---------------|----------------------------------|--|--|-------------|
| Internal Lens  |                                      |            |  |             | External Lens |                                  |  |  |             |
| 53   | .125 in. K12 prismatic acrylic       |            |  | 1.00        | 30            | .187" Clear polycarbonate        |  |  | 1.02        |
| 12   | .125 in K12 prismatic polycarbonate  |            |  | .98         | <b>32</b>     | <b>.250" Clear Polycarbonate</b> |  |  | <b>1.00</b> |
| 15   | .156 in. K12 prismatic polycarbonate |            |  | .97         | 36            | .375" Clear polycarbonate        |  |  | .96         |
| 16   | .187 in. K12 prismatic polycarbonate |            |  | .95         | 38            | .500" Clear polycarbonate        |  |  | .92         |
| <b>122</b>   | <b>Optic Plus diffusing acrylic</b>  |            |  | <b>1.00</b> | 90            | .187" Clear tempered glass       |  |  | 1.04        |
| <b>90 CRI Multiplier</b>   |                                      | <b>.83</b> |  |             | 92            | .250" Clear tempered glass       |  |  | 1.03        |
|  |                                      |            |  |             | 96            | .375" Clear tempered glass       |  |  | .99         |

## Specified Output Option

L.C. Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

### Example Model:

SGB2-**XX/XX**<sup>1</sup>SO-40/80-DCW-VARDM-122/32-TPD-(**XX**<sup>2</sup>/**LUMENS**)

**LUMENS** = You provide the lumens.

**XX**<sup>1</sup> = We will determine the number of rows.

**XX**<sup>2</sup> = We will provide the wattage information.