

## DESCRIPTION

The SGI is an architecturally styled, sealed indirect/direct luminaire. The enclosed and gasketed housing, and one-piece door protects against infiltration of airborne bacteria. Applications include patient rooms, hallways, exam and open areas, food processing/testing centers and pharmaceutical labs. Specify clear polycarbonate lens for uses in detention centers, psych wards, and other similar applications.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Fasteners

Flush-mounted, stainless steel machine screws secure the door to the housing and are evenly spaced to compress gasketing on all sides. Optional stainless steel tamper-resistant screws, Torx® T20.

### Housing

20 ga. steel, white polyester powder coat paint finish.

### Door

One piece inset, fully gasketed, steel or aluminum extruded door with matte white polyester powder coat. Two aircraft cables attach door to housing, along with (6) counter sunk stainless steel phillips head screws (tamper proof available). Continuous piano hinge available with extruded aluminum door.

### Inner Diffuser/Lens

Linear ribbed acrylic lens, 0.100" thick. Optional clear acrylic with perforated inlay.

### Gasket

Closed cell gasketing between housing and door.

### Finish

Matte white, electrostatically applied, white powder coat finish.

### Bottom Clear Lens

0.125" and 0.187" thick clear acrylic or polycarbonate. 0.250" thick clear polycarbonate. 0.375" thick clear polycarbonate available with steel door only.

### Mounting

Compatible with 15/16" NEMA G T-bar system. For NEMA F Flange (hard pan ceilings) applications, specify the DFCL drywall framing kit.

### Lamps

T5, T5HO, T8, or long twin tube.

### Ballast

Electronic Class P, CBM/ETL ballast.

### Labels

UL/cUL listed for damp locations  
Wet location under covered ceiling optional. IP65 optional. NSF rating available with steel door, aircraft cable attachment.



## SGI

Sealed and Gasketed  
Bottom Clear Lens

1' x 4'

2' x 2'

2' x 4'

Fluorescent  
Patient Room  
Sterile Environment  
Mental Health  
High Abuse  
Food Preparation

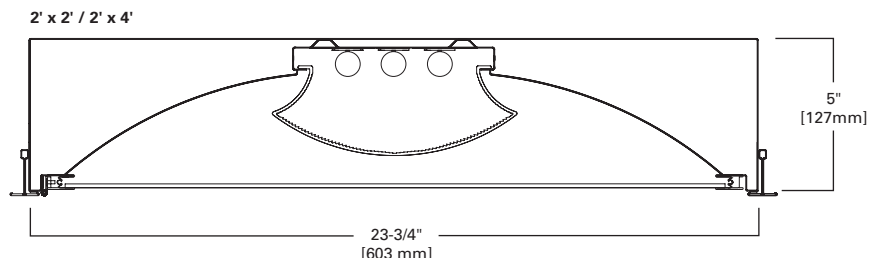
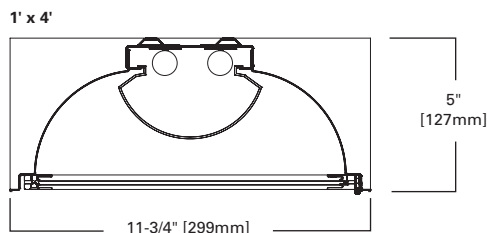
RECESSED

Wet Location

Sealed Unit

Fully Lensed Door

IP65  
NSF





## ORDERING INFORMATION

SAMPLE NUMBER: SGI-G-12-228T5-CP125-FA-ALXP-UNV-EB51-IP65-NSF

<b>SGI</b>	<b>G</b>										
<b>Series</b> <b>SGI</b> =Sealed and Gasketed Direct/Indirect	<b>Width</b> <b>12</b> =12" <b>Blank</b> =24"	<b>Lamp Type</b> <b>2' x 2' Fixture</b> <b>T5 Fluorescent</b> <b>114T5</b> =(1) 14W Lamp <b>214T5</b> =(2) 14W Lamps <b>314T5</b> =(3) 14W Lamps <b>T5HO Fluorescent</b> <b>124T5</b> =(1) 24W Lamp <b>224T5</b> =(2) 24W Lamps <b>324T5</b> =(3) 24W Lamps <b>T8 Fluorescent</b> <b>117T</b> =(1) 17W Lamp <b>217T</b> =(2) 17W Lamps <b>317T</b> =(3) 17W Lamps <b>Biaxial Fluorescent</b> <b>240BX</b> =(2) 40W Lamps <b>250BX</b> =(2) 50W Lamps <b>255BX</b> =(2) 55W Lamps	<b>1' x 4' 1/2' x 4' Fixture <sup>7</sup></b> <b>T5 Fluorescent</b> <b>128T5</b> =(1) 28W Lamp <b>228T5</b> =(2) 28W Lamps <b>328T5</b> =(3) 28W Lamps <b>T5HO Fluorescent</b> <b>154T5</b> =(1) 54W Lamp <b>254T5</b> =(2) 54W Lamps <b>354T5</b> =(3) 54W Lamps <b>T8 Fluorescent</b> <b>132</b> =(1) 32W Lamp <b>232</b> =(2) 32W Lamps <b>332</b> =(3) 32W Lamps <b>128T8</b> =(1) 28W T8Lamp <b>228T8</b> =(2) 28W T8Lamps <b>328T8</b> =(3) 28W T8Lamps	<b>Bottom Lens</b> <b>CA125</b> =Clear Acrylic 0.125" thick <b>CP125</b> =Clear Polycarbonate 0.125" thick <b>CP187</b> =Clear Polycarbonate Smooth 0.187" thick <b>CP250</b> =Clear Polycarbonate 0.250" thick <b>CP375</b> =Clear Polycarbonate 0.375" thick	<b>Diffuser</b> <b>FA</b> =Frosted Acrylic, Linear Ribbed	<b>Door <sup>4</sup></b> <b>CRSW</b> =Steel door, painted matte white <b>ALXP</b> =Aluminum extruded door, painted matte white <b>ALXPCPH</b> =Aluminum extruded door, painted matte white, continuous piano hinge	<b>Voltage</b> <b>120</b> =120V <b>277</b> =277V <b>UNV</b> =120V-277V	<b>Electronic Ballast <sup>1</sup></b> <b>EB51</b> =(1) Ballast for use with T5 Lamps <b>EB52</b> =(2) Ballasts for use with T5 Lamps <b>EB81</b> =(1) Ballast for use with T8 Lamps <b>EB82</b> =(2) Ballasts for use with T8 Lamps <b>EBX1</b> =(1) Ballast for use with Biaxial Lamps <b>EBX2</b> =(2) Ballasts for use with Biaxial Lamps	<b>Options</b> <b>EL4</b> =EM Pack, T8, BX <sup>2</sup> <b>EL5</b> =EM Pack, T5, T5HO <sup>2</sup> <b>GLR</b> =Fuse and Holder <b>AM</b> =Antimicrobial Finish, Exposed Surfaces <b>TP</b> =Tamper-proof Screws (Torx® T20) <b>WL</b> =Wet Location Under Covered Ceiling <b>ASY</b> =Asymmetric distribution (1' x 4' only) <b>IP65</b> =IP65 Rated <sup>5</sup> <b>NSF</b> =NSF Rated, Non-Food, Splash Zone <sup>5</sup>	<b>Accessories (order separately)</b> <b>VRSD</b> =Vandal Resistant Screwdriver, Torx® T20 <b>DFCL-2424W-U</b> =Drywall Frame kit, Clean room, 2' x 2' - use with grid (-G) fixture in sheet rock/hard ceiling application <b>DFCL-2448W-U</b> =Drywall Frame kit, Clean room, 2' x 4' - use with grid (-G) fixture in sheet rock/hard ceiling application <b>DFCL-1248W-U</b> =Drywall Frame kit, 1' x 4' - use with grid (-G) fixture in sheet rock/hard ceiling application <b>MTG-BRKTS-FAILSAFE-4 PER PK</b> = (4) Mounting clips and screws-attach to the fixture and T-bar to secure fixture. Hole on each bracket to attach tie-wire, if desired.	<b>Note:</b> Substitute "AMW" in place of "W" for anti-microbial matte white DFCL.

For flange (sheetrock hard-lid ceilings), specify the following on a separate line item shipped separately:

1x4: DFCL1248W-U  
 1x4: DFCL1248AMW-U  
 2x2: DFCL2424W-U  
 2x2: DFCL2424AMW-U  
 2x4: DFCL2448W-U  
 2x4: DFCL2448AMW-U

Cutout Dimensions:  
 2' x 2': 24-3/8" x 24-3/8"  
 2' x 4': 24-3/8" x 48-3/8"  
 1' x 4': 12-3/8" x 48-3/8"

**Note:**  
 "AMW" designates antimicrobial white painted finish.

DFCL kits ship with gasketing, to be applied in the field.

**Notes:**

- <sup>1</sup> For specific electronic ballast, specify brand and catalog number.
- <sup>2</sup> When choosing EL option, voltage must be specified.
- <sup>3</sup> Hard metric sizes available. Consult factory. For 15/16" NEMA Type "G" ceiling systems only. For 1-1/2" T-bar ceiling systems, consult factory. Extended lead-times may apply.
- <sup>4</sup> Continuous piano hinge available with aluminum extruded door only
- <sup>5</sup> IP65, NSF available steel door only, CRSW.
- <sup>6</sup> Available steel door only, CRSW.
- <sup>7</sup> 1' x 4' fixture available in 1 or 2 lamp cross-section only.
- <sup>8</sup> 1x4, 2x2, 2x4 are not continuous row mountable. Individual fixtures only.