

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.



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

RECESSED

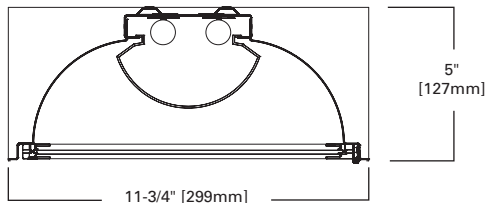
Wet Location

Sealed Unit

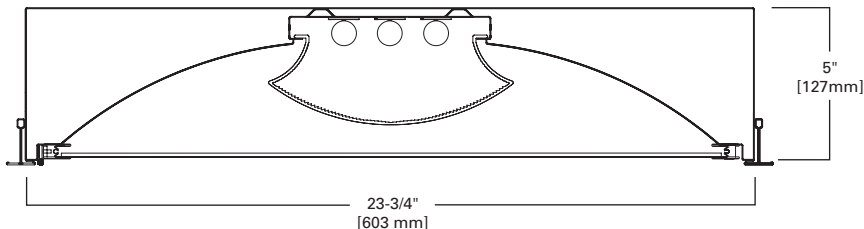
Fully Lensed Door

IP65

1' x 4'



2' x 2' / 2' x 4'



ORDERING INFORMATION

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

SGI	G						
Series SGI =Sealed and Gasketed Direct/Indirect	Width 12 =12" Blank =24"	Lamp Type 2' x 2' Fixture T5 Fluorescent 114T5 =(1) 14W Lamp 214T5 =(2) 14W Lamps 314T5 =(3) 14W Lamps T5HO Fluorescent 124T5 =(1) 24W Lamp 224T5 =(2) 24W Lamps 324T5 =(3) 24W Lamps T8 Fluorescent 117 =(1) 17W Lamp 217 =(2) 17W Lamps 317 =(3) 17W Lamps Biaxial Fluorescent 240BX =(2) 40W Lamps 250BX =(2) 50W Lamps 255BX =(2) 55W Lamps	1' x 4' 1/2' x 4' Fixture ⁷ T5 Fluorescent 128T5 =(1) 28W Lamp 228T5 =(2) 28W Lamps 328T5 =(3) 28W Lamps T5HO Fluorescent 154T5 =(1) 54W Lamp 254T5 =(2) 54W Lamps 354T5 =(3) 54W Lamps T8 Fluorescent 132 =(1) 32W Lamp 232 =(2) 32W Lamps 332 =(3) 32W Lamps 128T8 =(1) 28W T8Lamp 228T8 =(2) 28W T8Lamps 328T8 =(3) 28W T8Lamps	Bottom Lens CA125 =Clear Acrylic 0.125" thick CP125 =Clear Polycarbonate 0.125" thick CP187 =Clear Polycarbonate Smooth 0.187" thick CP250 =Clear Polycarbonate 0.250" thick CP375 =Clear Polycarbonate ⁶ 0.375" thick	Diffuser FA =Frosted Acrylic, Linear Ribbed	Electronic Ballast ¹ EB51 =(1) Ballast for use with T5 Lamps EB52 =(2) Ballasts for use with T5 Lamps EB81 =(1) Ballast for use with T8 Lamps EB82 =(2) Ballasts for use with T8 Lamps EBX1 =(1) Ballast for use with Biaxial Lamps EBX2 =(2) Ballasts for use with Biaxial Lamps	Options EL4 =EM Pack, T8, BX ² EL5 =EM Pack, T5, T5HO ² GLR =Fuse and Holder AM =Antimicrobial Finish, Exposed Surfaces TP =Tamper-proof Screws (Torx® T20) WL =Wet Location Under Covered Ceiling ASY =Asymmetric distribution (1' x 4' only) IP65 =IP65 Rated ⁵
Ceiling G =Grid ³							
Length 2 =2' ⁸ 4 =4' ⁸ 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				Door ⁴ CRSW =Steel door, painted matte white ALXP =Aluminum extruded door, painted matte white ALXPCPH =Aluminum extruded door, painted matte white, continuous piano hinge			
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"				Voltage 120 =120V 277 =277V UNV =120V-277V			
Note: "AMW" designates antimicrobial white painted finish.							
DFCL kits ship with gasketing, to be applied in the field.							
Notes: ¹ For specific electronic ballast, specify brand and catalog number. ² When choosing EL option, voltage must be specified. ³ 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. ⁴ Continuous piano hinge available with aluminum extruded door only ⁵ IP65 available steel door only, CRSW. ⁶ Available steel door only, CRSW. ⁷ 1' x 4' fixture available in 1 or 2 lamp cross-section only. ⁸ 1x4, 2x2, 2x4 are not continuous row mountable. Individual fixtures only.						Accessories (order separately) VRSD =Vandal Resistant Screwdriver, Torx® T20 DFCL-2424W-U =Drywall Frame kit, Clean room, 2' x 2' - use with grid (-G) fixture in sheet rock/hard ceiling application DFCL-2448W-U =Drywall Frame kit, Clean room, 2' x 4' - use with grid (-G) fixture in sheet rock/hard ceiling application DFCL-1248W-U =Drywall Frame kit, 1' x 4' - use with grid (-G) fixture in sheet rock/hard ceiling application MTG-BRKTS-FAILSAFE-4 PER PK = (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.	Note: Substitute "AMW" in place of "W" for anti-microbial matte white DFCL.