

**FEATURES**

- Precision optical system produces an efficient luminaire without sacrificing high visual comfort
- Completely recessed, provides a clean ceiling while providing soft, uniform indirect illumination in rooms with ceilings as low as 8 feet
- Available for use with T8, T5, or T5HO linear fluorescent lamps
- Light basket and reflectors are finished with a matte white powder coat
- Side basket design provides architectural interest with a skylight appearance
- Ease of installation and maintenance
- Companion louvered (STRL), center basket (STR), and pendant (STP) models available

**PROJECT INFORMATION**

Project Name \_\_\_\_\_

Type \_\_\_\_\_

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

Date \_\_\_\_\_

**CONSTRUCTION**

Luminaire housing and end caps are die formed code gauge cold rolled steel. The aluminum reflector is profiled to a precision curve and finished with matte white paint for a soft, uniform indirect illumination. Matte white perforated light basket backed by opal acrylic overlay snaps securely into place and hinges down for ease of lamp replacement.

leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

**CEILING COMPATIBILITY**

Luminaire is available to fit most standard ceiling types. NEC-compliant T-Bar clips supplied with all grid trim fixtures. G trim fixtures used in SG ceilings require T-Bar clip accessory. See ceiling details on reverse. For hard ceilings order G trim and FK flange accessory. Assemble then support FK accessory at ceiling plane using tie wires (by others). Contact your Columbia representative for compatibility information for specific ceiling types or for continuous row applications in hard ceilings.

**FINISH**

Custom formulated soft non-glare white powder coat finish on the light basket and reflector. Gloss white finish on housing.

**SHIELDING**

A perforated metal light basket (46% opening) with an opal acrylic overlay is standard.

**SURFACE OR PENDANT MOUNT**

Attractive surface mount units available to match performance and aesthetics of recessed models.

**INSTALLATION**

An access plate is furnished with each luminaire for fast wiring access from the plenum. No need to open fixture.

**CERTIFICATION**

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

**ELECTRICAL**

Standard class "P", thermally protected, auto-resetting HPF ballast, sound rated A. All ballast

**ORDERING INFORMATION**

**EXAMPLE STS22-217G-MPO-EU**

**STS**

**22**

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- **MPO**

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**MODEL**  
STS Stratus Recessed Indirect Side Basket

**NO. OF LAMPS IN CROSS SECTION**  
2 Two  
4 Four

**CEILING TYPE**  
G Grid Lay-in  
SG Slot Grid  
SM Surface Mount

**AIR FUNCTION**  
Blank Static  
A Air Handling

**VOLTAGE**  
U 120V-277V  
347 347V

**OPTIONS**  
GLR Fast Blow Fuse  
GMF Slow Blow Fuse  
EL Emergency Battery Pack  
NYCU NYC Compliant, Union Made

**SIZE**  
22 2' x 2'

**LAMP TYPE**  
14 2', T5: 14 Watt  
17 2', T8: 17 Watt  
24 2', T5HO: 24 Watt  
40TT Twin Tube Compact, 2G11 Base: 40 Watt

**SHIELDING**  
MPO Metal Perf w/Overlay

**BALLAST**  
E Electronic T8, Instant Start  
ED Electronic Dimming T8 and T5  
EP Electronic T5, T5HO, or T8, Programmed Start  
ETT Electronic Twin Tube, Instant Start

**ACCESSORIES (ORDER SEPARATELY)**  
FK22 2' x 2' Single Flange Kit

### PHOTOMETRIC DATA

Test 13148 Test Date 5/17/02

#### LUMINAIRE DATA

Luminaire	STS22-217G-MPO-E 2' x 2' 2-Lamp with Perforated Metal Side Baskets with Overlay
Ballast	REL2P325C
Ballast Factor	0.87
Lamp	F17T8
Lumens per Lamp	1400
Watts	34
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.19 90° = 1.27
Luminous Opening in Feet	Length: 1.92 Width: 1.88 Height: 0.00

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	408	14.6	26.2
0-40	664	23.7	42.6
0-60	1175	42.0	75.4
0-90	1558	55.6	100.0
0-180	1558	55.6	100.0

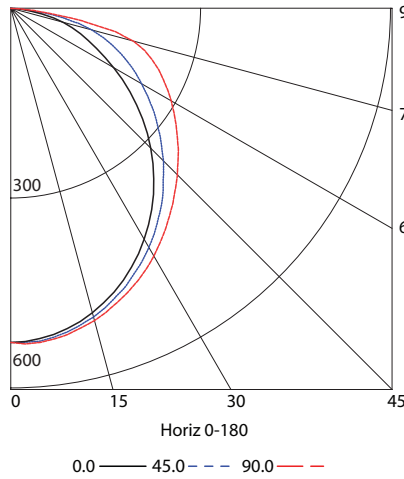
#### ENERGY DATA

Total Luminaire Efficiency	55.6%
Luminaire Efficacy Rating (LER)	40
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$6.00 based on 3000 hrs. and \$0.08 per KWH

#### COEFFICIENTS OF UTILIZATION (%)

RCR	RC	80				70				50				0
		RW	70	50	30	10	70	50	30	10	50	30	10	0
1	60	57	55	53	59	56	54	52	54	52	50	46		
2	54	50	46	42	53	49	45	42	47	43	41	38		
3	49	43	39	35	48	42	38	35	41	37	34	31		
4	45	38	33	29	44	38	33	29	36	32	29	27		
5	42	34	29	25	40	34	29	25	32	28	25	23		
6	38	31	26	22	37	30	25	22	29	25	22	20		
7	36	28	23	19	35	27	23	19	27	22	19	18		
8	33	25	21	17	32	25	20	17	24	20	17	16		
9	31	23	19	16	30	23	19	15	22	18	15	14		
10	29	22	17	14	28	21	17	14	21	17	14	13		

#### INDOOR CANDELA PLOT



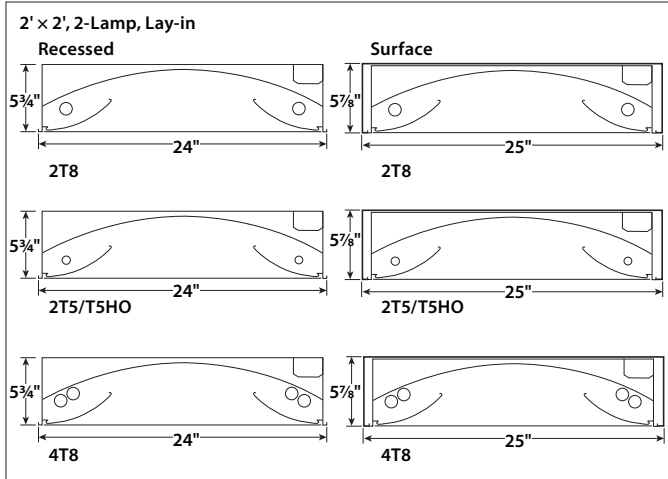
#### AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	0.0	22.5	45.0	67.5	90.0
0	1580	1580	1580	1580	1580
30	1457	1477	1508	1546	1563
40	1374	1401	1464	1530	1561
45	1324	1362	1447	1535	1577
50	1267	1318	1429	1554	1610
55	1201	1269	1425	1591	1664
60	1127	1223	1431	1652	1753
65	1058	1178	1461	1750	1884
70	1029	1142	1500	1901	2084
75	1002	1106	1544	2062	2327
80	859	962	1443	1889	2009
85	582	650	890	1129	1266

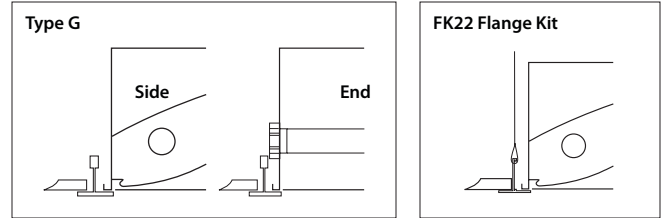
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

#### DIMENSIONAL DATA



#### CEILING COMPATIBILITY

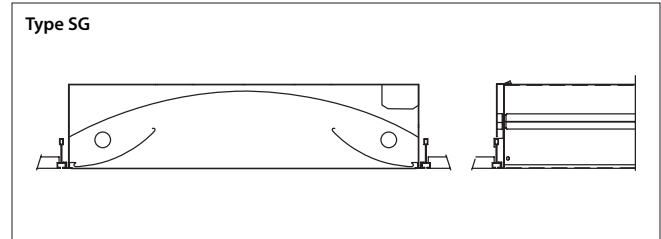
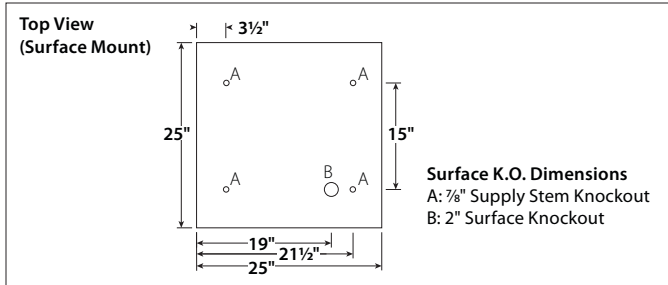


For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 1/2" allowed.

For hard ceiling applications, order FK22 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

Flange kit cut out dimension for single unit only: 24" x 24 7/8"

For row configurations contact your local Columbia Lighting representative.



For 3/4" slot grid type ceilings. Luminaire will be level with the ceiling plane. Slot grid tees must be field installed all around the fixture.

**NOTE:** All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.