

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 STS14-232G-MPO-EU

STS

14

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- **MPO**

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MODEL
STS Stratus Recessed Indirect Side Basket

NO. OF LAMPS IN CROSS SECTION
1 One
2 Two

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
14 1' x 4'

LAMP TYPE
28 4', T5: 28 Watt
32 4', T8: 32, 30, 28 or 25 Watt
54 4', T5HO: 54 or 51 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)
FK14 1' x 4' Single Flange Kit

PHOTOMETRIC DATA

Test 13333 Test Date 2/20/03

LUMINAIRE DATA

Luminaire	STS14-132G-MPO-E 12" x 48" 1-Lamp with Perforated Metal Side Baskets with Overlay
Ballast	REL1P325C
Ballast Factor	0.92
Lamp	F32T8
Lumens per Lamp	2900
Watts	31
Shielding Angle	N/A
Spacing Criterion	N/A
Luminous Opening in Feet	Length: 3.92 Width: 0.95 Height: 0.00

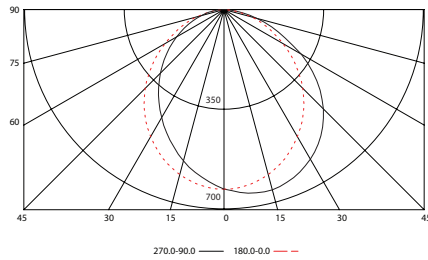
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	488	16.8	28.7
0-40	793	27.4	46.6
0-60	1375	47.4	80.8
0-90	1702	58.7	100.0
0-180	1702	58.7	100.0

ENERGY DATA

Total Luminaire Efficiency	58.7%
Luminaire Efficacy Rating (LER)	51
IESNA RP-1-1993 Compliance	N/A
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.71 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	90.0	135.0	180.0	225.0	270.0
0	1830	1830	1830	1830	1830
30	2033	1969	1726	1522	1465
40	2041	1947	1653	1404	1351
45	2023	1929	1606	1345	1296
50	1988	1893	1542	1286	1241
55	1920	1834	1471	1225	1179
60	1815	1740	1387	1162	1116
65	1628	1594	1306	1101	1053
70	1513	1327	1225	1039	989
75	1351	1173	1128	972	938
80	1115	982	965	932	916
85	763	730	696	862	829

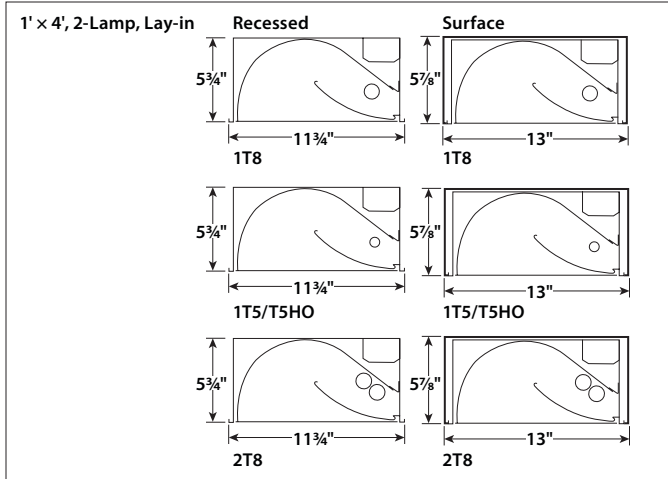
COEFFICIENTS OF UTILIZATION (%)

RCR	RC		80				70				50				0			
	RW		70	50	30	10	70	50	30	10	50	30	10	50	30	10	0	
1	64	61	59	57	62	60	58	56	57	56	54	50						
2	58	54	50	46	57	52	49	46	50	47	45	41						
3	53	47	42	39	52	46	42	38	44	41	38	35						
4	49	42	37	33	47	41	36	33	40	35	32	30						
5	45	37	32	28	44	37	32	28	36	31	28	26						
6	42	34	29	25	40	33	28	25	32	28	24	23						
7	39	31	26	22	38	30	25	22	29	25	22	20						
8	36	28	23	20	35	28	23	20	27	23	19	18						
9	34	26	21	18	33	25	21	18	25	20	18	16						
10	31	24	19	16	31	23	19	16	23	19	16	15						

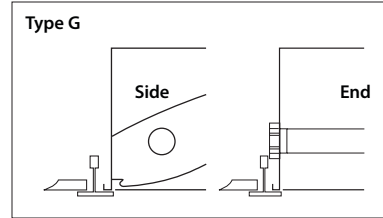
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

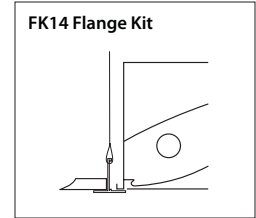
DIMENSIONAL DATA



CEILING COMPATIBILITY



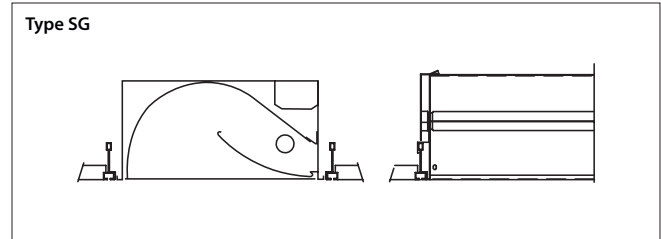
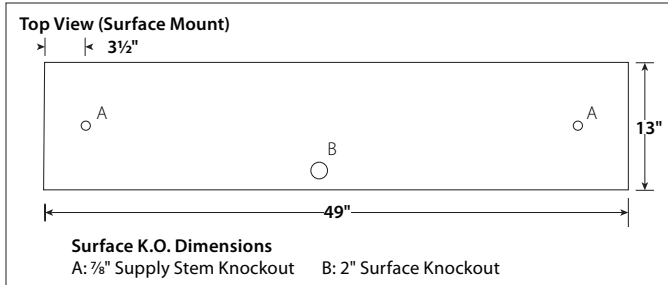
For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 1/2" allowed.



For hard ceiling applications, order FK14 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

Flange kit cut out dimension for single unit only: 12 3/8" x 48 3/8"

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.