

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
- Utilizes the popular and very efficient twin tube lamp
- Light basket and reflectors are finished with a matte white powder coat
- Ease of installation and maintenance
- Companion Louvered (STRL), side baskets (STS) 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 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. Thermoplastic light traps snap into the housing at both ends of the basket to prevent light leaks.

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.

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

ORDERING INFORMATION

EXAMPLE STR22-240TTG-MPO-EPTTU

MODEL STR Stratus Recessed Indirect	NO. OF LAMPS 2 Two 3 Three	CEILING TYPE G Grid Lay-in SG Slot Grid SM Surface Mount	SHIELDING MPO Metal Perf w/Overlay	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 40TT Twin Tube, 2G11 Base: 40 Watt 50TT Twin Tube, 2G11 Base: 50 Watt	AIR FUNCTION Blank Static A Air Handling	BALLAST ETT Electronic Twin Tube, Instant Start EPTT Electronic, Programmed Start	ACCESSORIES (ORDER SEPARATELY) FK22 2' x 2' Single Flange Kit (Shipped separately)	

PHOTOMETRIC DATA

Test 11862 Test Date 1/8/03

LUMINAIRE DATA

Luminaire	STR22-240TTG-MPO-EBTT Stratus Specialty 2 x 2 2-Lamp with perforated metal and overlay
Ballast	C240I120RH
Ballast Factor	0.88
Lamp	F40TTS
Lumens per Lamp	3150
Watts	65
Shielding Angle	N/A
Spacing Criterion	0°= 1.25 90°= 1.35
Luminous Opening in Feet	Length: 1.92 Width: 1.88 Height: 0.00

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1101	17.5	25.7
0-40	1819	28.9	42.5
0-60	3299	52.4	77.1
0-90	4279	67.9	100.0
0-180	4279	67.9	100.0

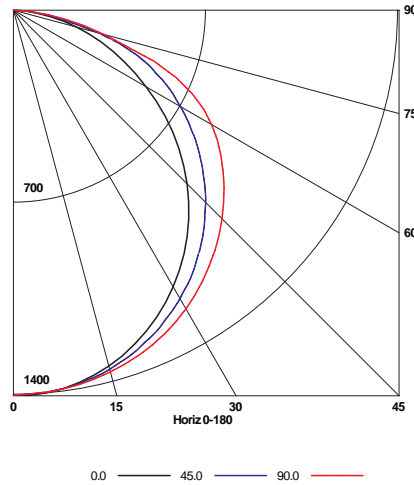
ENERGY DATA

Total Luminaire Efficiency	67.9%
Luminaire Efficacy Rating (LER)	58
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.14 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
1	74	70	67	65	72	69	66	64	66	64	62	56	
2	67	61	56	52	65	60	55	52	57	54	50	47	
3	61	53	48	43	59	52	47	43	50	46	42	39	
4	55	47	41	36	54	46	40	36	44	39	35	33	
5	51	42	36	31	49	41	35	31	40	34	31	28	
6	47	38	31	27	46	37	31	27	36	31	27	25	
7	43	34	28	24	42	34	28	24	32	27	23	22	
8	40	31	25	21	39	31	25	21	30	25	21	19	
9	38	28	23	19	37	28	23	19	27	22	19	17	
10	35	26	21	17	34	26	21	17	25	20	17	16	

INDOOR CANDELA PLOT



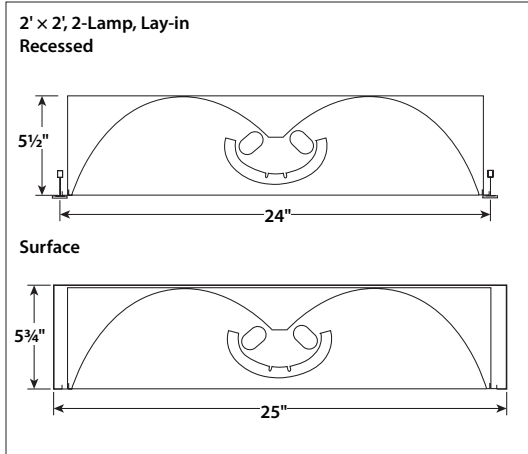
AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	4184	4184	4184	4184	4184
30	4008	4060	4180	4290	4328
40	3869	3967	4181	4372	4449
45	3774	3905	4179	4432	4534
50	3656	3827	4175	4514	4648
55	3515	3722	4185	4622	4799
60	3328	3590	4199	4765	4974
65	3147	3443	4220	4869	5066
70	2973	3261	4176	4682	4769
75	2742	3030	3768	3791	3929
80	2353	2542	2902	3246	3349
85	1745	1848	2190	2361	2395

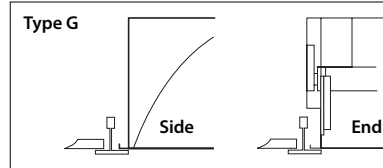
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

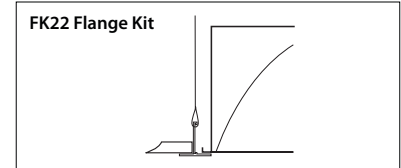
DIMENSIONAL DATA



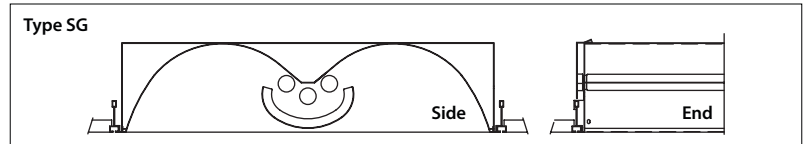
CEILING COMPATIBILITY



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

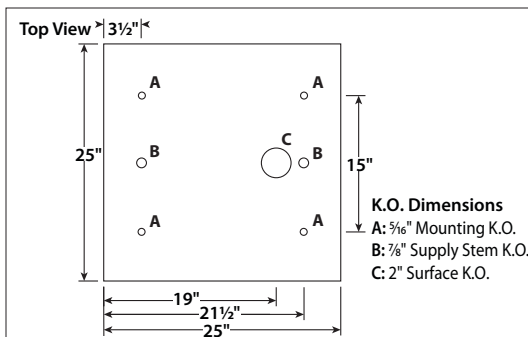


For hard ceiling applications, fixtures must be ordered with a flange kit that wires directly into the concealed ceiling opening for a clean finished appearance. For row configurations contact your local Columbia Representative.



For 3/8" slot grid type ceilings. Luminaire will be level with the ceiling plane. Slot grid tees must be field installed all around the fixture.

Flange kit cut out dimension for single FK22 only: 24 3/8" x 24 3/8"



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