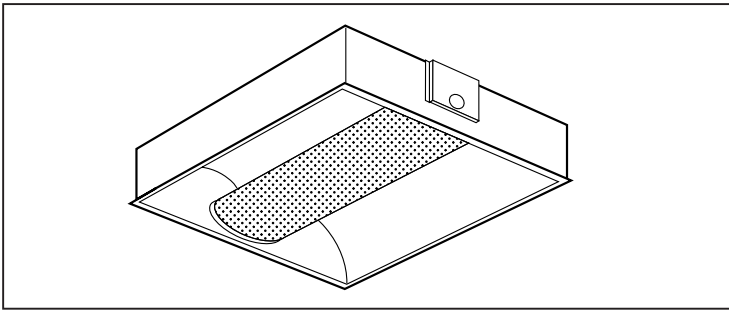


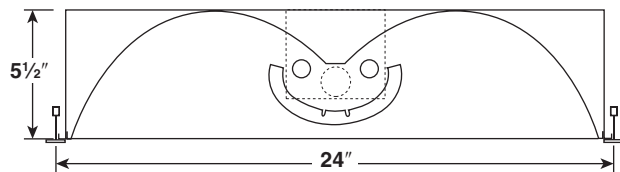
Stratus

STR22-2

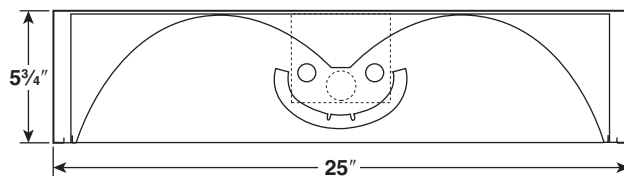
2' x 2', 2 Lamp, Linear Indirect Recessed Luminaire



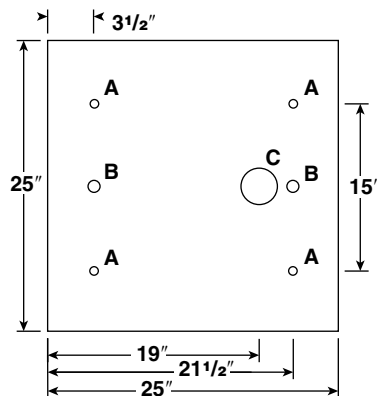
Cross Section - 2'x2', 2-lamp, lay-in Recessed



Surface



Top View



Surface K.O. Dimensions
A - 5/16" Mounting Knockout
B - 7/8" Supply Stem Knockout
C - 2" Surface K.O.

Type: _____

Job Description: _____

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 HO T5 linear fluorescent lamps.
- Light basket and reflectors are finished with a matte white powder coat finish.
- Ease of installation and maintenance.
- UL listed 1598 and CUL approved.

Construction

Luminaire housing and end caps are die formed cold rolled steel. The two piece aluminum reflector is profiled to a precision curve and finished with a matte white paint that provides soft, uniform, indirect illumination. Matte white perforated light basket snaps securely into place for ease of lamp replacement. Thermoplastic light traps snap into the housing at both ends of the light basket to prevent light leaks.

Finish

Custom formulated soft non-glare white powder coat finish on the light basket, and reflector is applied after fabrication.

Shielding

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

Installation

For fast wiring connections without the necessity of opening fixture or wireway, a flex connector adaptor plate is furnished with each luminaire.

Labels & Electrical

All luminaires are listed with UL and CUL and bear appropriate recessed fixture labels. Completely wired with class "P," thermally protected, resetting, HPF, CBM ballast. Sound rated A. All ballast leads extend a minimum of 6" through the access opening.

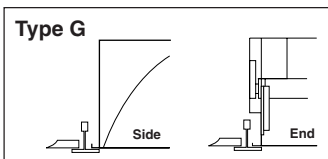
Recessed Ceiling Compatibility

The Stratus is available to fit NEMA type G (lay-in) and type F (overlapping flange) recessed ceiling systems. The type G unit fits into a standard grid ceiling. For type F applications, a type G fixture must be ordered along with a flange kit for the fixture to sit in. The flange kit is assembled in the field and is wired directly to the ceiling structure. The flange kit should be installed before the fixture is installed. For row mounting applications in any ceiling type, contact factory.

Surface or Pendant Mount

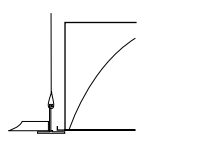
Attractive surface mount units are available to match performance and aesthetics of recessed models. See reverse side for ordering information.

Ceiling Compatibility

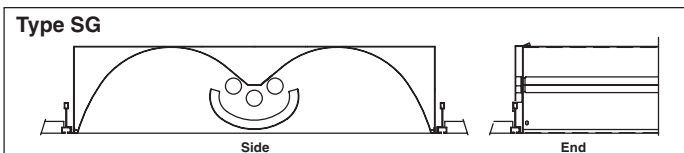


For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 1 1/2" allowed. For row configurations contact your local Columbia Representative.

Flange Kit Trim, FK22



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 9/16" 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"



PO Box 2767 (39220) 3808 North Sullivan Road Spokane WA 99216
Tel 509 324 7000

Environmental Laboratories

REPORT # 11856
DATE: 7/17/97

LUMINAIRE: STR22-217G-MPO-EUB

2 X 2 2-LAMP WITH METAL PERFORATED BASKET AND OVERLAY
BAL.: B2321120RH; LAMPS: F17T8; BAL. FAC.: .93; WATTS: 32
LAMPS RATED AT 1325 LUMENS EACH
LUMINOUS AREA: 23 X 22.5

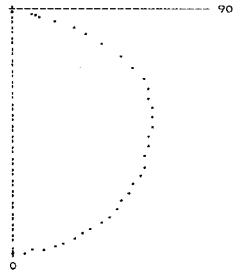
REFLECTANCE: BME .88

MOUNTING: RECESSED

S/PM: PARL 1.23 NORM 1.36

PLOT OF NORMAL PLANE SHIELDING: PARL 90 NORM 90

DEG	CANDLE POWER			
	0	22.5	45	67.5
0	504.	504.	504.	504.
5	502.	503.	503.	502.
10	494.	493.	497.	499.
15	481.	483.	486.	491.
20	463.	467.	474.	482.
25	441.	446.	458.	467.
30	415.	422.	439.	454.
35	385.	395.	416.	436.
40	352.	364.	391.	415.
45	315.	331.	362.	390.
50	276.	295.	331.	363.
55	236.	256.	297.	335.
60	193.	216.	261.	306.
65	153.	175.	225.	268.
70	116.	135.	182.	200.
75	81.	95.	115.	125.
80	46.	51.	60.	64.
85	17.	19.	20.	21.
90	0.	0.	0.	0.



ZONAL SUMMARY

ZONE	LUMENS	LAMP	FIXT
0-30	396.	15.0	25.5
0-40	656.	24.8	42.2
0-60	1193.	45.2	77.0
0-90	1537.	58.7	100.0
90-180	0.	0.0	0.0
0-180	1537.	58.7	100.0

This photometric test was performed using a specific ballast / lamp combination. Extrapolation of these data for other ballast / lamp combinations may produce erroneous results. The ballast factor must be applied to the lumen output rating assigned to the lamp(s) or to the candlepower values shown. Luminaire efficacy rating (LER) per NEMA LE5-1993.

LER = 45 TESTED BY: [Signature] APPROVED BY: [Signature]
TEST RUN IN ACCORDANCE TO CURRENT I.E.S. PUBLISHED PROCEDURES

Photometric Report No. 11856

Energy Data

LER: 45
Input Watts: 32

Energy Cost: \$5.33*
BF: .93

The above energy calculations were conducted using a specific lamp/ballast combination. Actual results may vary depending upon the lamp and ballast used. Lamp and ballast specifications are subject to change without notice.

*Comparative annual lighting energy cost per 1000 lumens based on 3000 hours and \$0.08 per KWH.

Coefficients of Utilization

Coefficients of Utilization

Zonal Cavity Method

Floor Reflectance - .20

RC RW	80				70				50				0	
	70	50	30	10	70	50	30	10	50	30	10	0	0	0
1	64	62	59	57	63	60	58	56	58	56	54	51		
2	59	54	50	47	57	53	49	46	51	48	45	42		
3	54	48	43	39	52	47	42	39	45	41	38	36		
4	49	42	37	33	48	41	37	33	40	36	32	30		
5	45	37	32	28	43	36	31	28	35	31	27	26		
6	41	33	28	24	40	32	27	24	31	27	24	22		
7	38	30	24	21	37	29	24	21	28	24	20	19		
8	35	26	21	18	34	26	21	18	25	21	18	16		
9	32	24	19	15	31	23	19	15	23	18	15	14		
10	30	21	17	13	29	21	17	13	21	16	13	12		

Visual Comfort Probability

Reflectance - 80, 50, 20
Work Plane Illumination - 100 FC@ 2.5 ft.

VCP

Room W L	Room Ht.	Luminaires Lengthwise				Room Ht.	Luminaires Crosswise			
		8.5	10.0	13.0	16.0		8.5	10.0	13.0	16.0
20	20	70	77	86	94	62	69	80	91	
20	40	66	69	74	79	58	60	63	69	
30	30	67	69	75	83	61	63	67	76	
30	60	65	66	68	72	59	60	59	62	
40	40	67	68	69	74	62	62	62	66	
40	60	66	66	66	70	61	61	59	61	
60	30	70	71	73	79	66	67	69	76	
60	40	68	68	69	73	64	64	63	67	
60	60	67	67	66	68	63	62	59	61	

Ordering Information

Example: STR22-217G-MPO-EU

Series
STR

Fixture Size
22 - 2' x 2'

No. of Lamps in Cross Section
2 - 2 Lamps

Lamp Type
17 - 2', T8, 17 Watt
14 - 2', T5 Linear, 14 Watt
24 - 2', T5 Linear High Output, 24 Watt

Ceiling Type
G - Grid Lay-in
SM - Surface Mount
SG - Slot Grid

Shielding
MPO - Metal Perf. w/overlay

Ballast
U - 120V-277V

E - Electronic T8, Instant Start
ED - Dimming Electronic T8 and T5
EP - Electronic T5, T5HO or T8, Programmed Start*
*Contact factory for availability.

Options

GLR - Fast Blow Fuse
GMF - Slow Blow Fuse
EL - Emergency Battery Pack
FK22 - Flange Kit (Shipped separately)
DL - Damp Label

