

**FEATURES**

- Available 2', 3', 4' or 8'
- Heavy die formed steel channel
- Rotary lock lampholders for positive lamp contact
- Channel ends double as joiners
- Individual or row mounting. Surface or suspended
- Ballast covers on 4' and 8' units are secured with ¼-turn fasteners

**PROJECT INFORMATION**

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

Type \_\_\_\_\_

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

Date \_\_\_\_\_

**CONSTRUCTION**

Steel housing die formed with heat sink embossments for cooler running ballasts. Socket saddles are factory installed.

**FINISH**

White painted parts are treated with a five stage phosphate bonding process and finished with a high reflectance baked enamel.

**BALLASTS**

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, unless otherwise specified. CEE NEMA Premium compliant.

**ELECTRICAL**

Standard class "P," thermally protected, auto-resetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

**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.

**ORDERING INFORMATION**

**EXAMPLE CS4-232-EU-GLR**

MODEL	SIZE	NO. OF LAMPS IN CROSS SECTION	LAMP TYPE	BALLAST	VOLTAGE	OPTIONS
CS Straight-Sided Utility Channel	2 2' 3 3' 4 4' 6 6' (Tandem length) 8 8' (Tandem length)	1 One 2 Two	14 2', T5: 14 Watt 17 2', T8: 17 Watt 21 3', T5: 21 Watt 24 2', T5: 24 Watt 25 3', T8: 25 Watt 28 4', T5: 28 Watt 32 4', T8: 32, 30, 28 or 25 Watt 39 3', T5HO: 39 Watt 54 4', T5: 54 Watt	E Electronic T8, Instant Start 4E 4-Lamp Electronic T8, Instant Start EP Electronic T5, Programmed Start (std. T5/T5HO, optional T8) <small>For a specific ballast vendor, show as option.</small>	U 120V-277V 347 347V	GLR Fast Blow Fuse GMF Slow Blow Fuse EL Emergency Battery Pack (Not in 2') BC Branch Circuit Plug-on Wiring System. See options section for details. PAF Paint After Fabrication

**ACCESSORIES (ORDER SEPARATELY)**

- ITB4** Hanger for Close Mounting on a T-Bar Ceiling
- CSZT** Zip Tee Hanger - 1½" Spacer on T-Bar Ceiling
- CSTH** Slide Tong Hanger with 7/8" Hole
- CSWG4** 4' Wire Guard, 2 Required for 8' Fixture
- CSWG3** 3' Wire Guard, 2 Required for 6' Fixture
- CSRA4** 4' Asymmetric Reflector
- CSRA** 4' Symmetric Reflector

For complete list of options and accessories, see options and accessories section.

## PHOTOMETRIC DATA

Test LSI11147 Test Date 1/6/06

### LUMINAIRE DATA

Luminaire	CS4-232-EB8-PAF CS Striplight 4' Striplight with white painted reflector
Ballast	B232I120RH
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Watts	62
Mounting	Surface
Shielding Angle	0° = 0 90° = 0
Spacing Criterion	0° = 1.25 90° = 1.61
Luminous Opening in Feet	Length: 3.92 Width: 0.35 Height: 0.08

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	853	14.7	15.3
0-40	1456	25.1	26.2
0-60	2878	49.6	51.7
0-90	4493	77.5	80.8
0-180	5561	95.9	100.0

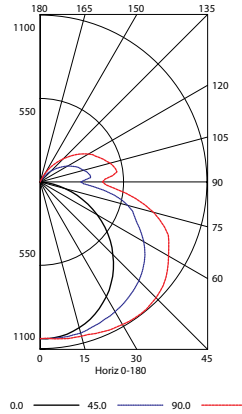
### ENERGY DATA

Total Luminaire Efficiency	95.9%
Luminaire Efficacy Rating (LER)	79
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.04 based on 3000 hrs. and \$0.08 per KWH

### COEFFICIENTS OF UTILIZATION (%)

RCR	80			70				50			0		
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	97	92	86	82	93	88	83	79	80	76	73	59	0
2	87	78	70	64	83	74	68	62	68	62	58	46	0
3	79	67	59	52	74	64	56	50	59	52	47	37	0
4	71	59	50	43	68	56	48	41	51	44	39	31	0
5	65	52	43	36	62	50	41	35	46	38	33	26	0
6	60	46	37	31	57	45	36	30	41	34	28	22	0
7	55	42	33	27	53	40	32	26	37	30	25	20	0
8	51	38	29	24	49	36	28	23	34	27	22	17	0
9	48	35	26	21	45	33	26	20	31	24	19	15	0
10	45	32	24	19	43	31	23	18	28	22	17	14	0

### INDOOR CANDELA PLOT



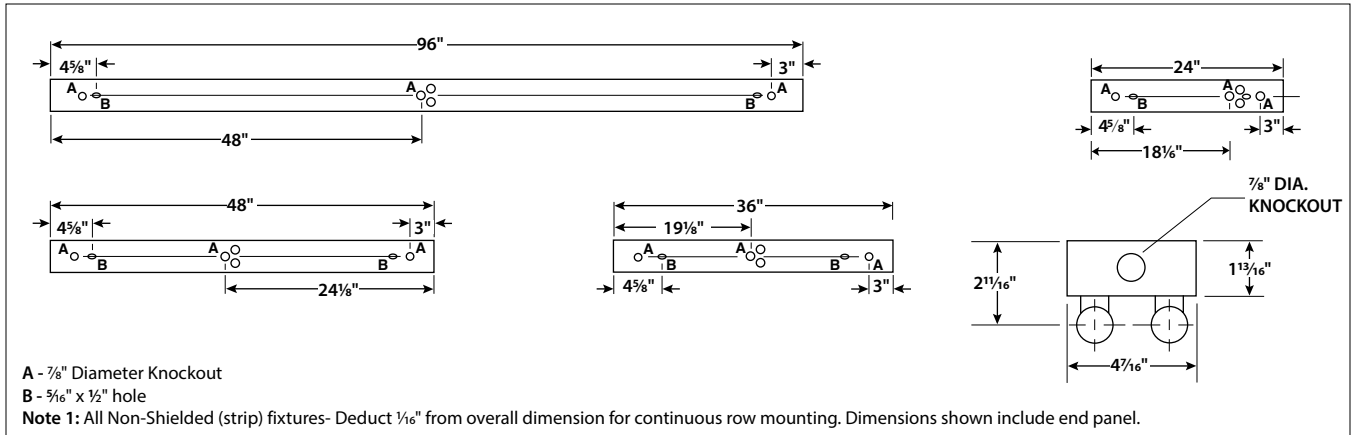
### AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	0.0	22.5	45.0	67.5	90.0
0	8104	8104	8104	8104	8104
30	7817	7827	8125	8485	8691
40	7562	7701	8450	9084	9393
45	7361	7692	8689	9430	9762
50	7197	7691	8938	9795	10168
55	6938	7731	9214	10180	10549
60	6593	7871	9487	10534	10993
65	6189	8042	9743	11103	11660
70	5647	8113	10219	11816	12301
75	4732	8073	10939	12193	12645
80	3725	8568	11168	12212	12651
85	1752	8614	10549	11795	12309

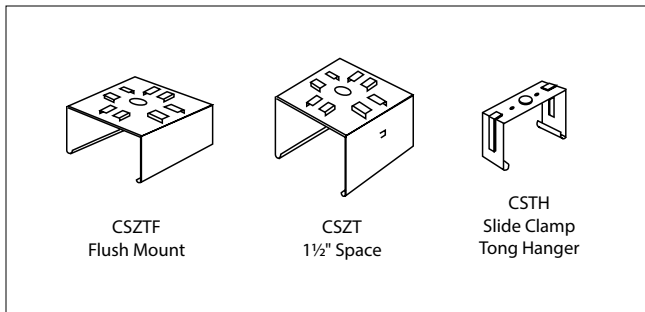
RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

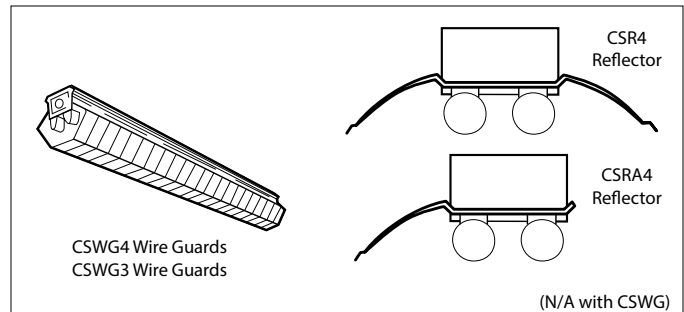
### DIMENSIONAL DATA



### MOUNTING DATA



### ACCESSORIES



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