

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'	1 One	14 2', T5: 14 Watt	E Electronic T8, Instant Start	U 120V-277V	GLR Fast Blow Fuse
	3 3'	2 Two	17 2', T8: 17 Watt		347 347V	GMF Slow Blow Fuse
	4 4'		21 3', T5: 21 Watt	4E 4-Lamp Electronic T8, Instant Start		EL Emergency Battery Pack (Not in 2')
	6 6' (Tandem length)		24 2', T5: 24 Watt	EP Electronic T5, Programmed Start (std. T5/T5HO, optional T8)		BC Branch Circuit Plug-on Wiring System. See options section for details.
	8 8' (Tandem length)		25 3', T8: 25 Watt			PAF Paint After Fabrication
			28 4', T5: 28 Watt			NYC NYC Compliant
			32 4', T8: 32, 30, 28 or 25 Watt	For a specific ballast vendor, show as option.		NYCU NYC Compliant, Union Label
			39 3', T5HO: 39 Watt			
			54 4', T5: 54 Watt			

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 ¾" Hole
- CSWG4** 4' Wire Guard, 2 Required for 8' Fixture
- CSWG3** 3' Wire Guard, 2 Required for 6' Fixture
- CSRA4** 4' Asymmetric Reflector
- CSR4** 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

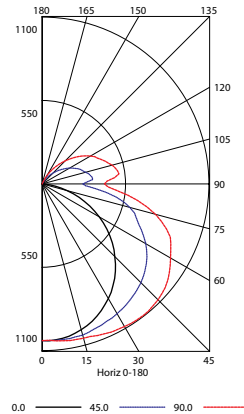
COEFFICIENTS OF UTILIZATION (%)

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

RCR = Room Cavity Ratio

RC = Effective Ceiling Reflectance RW = Wall Reflectance

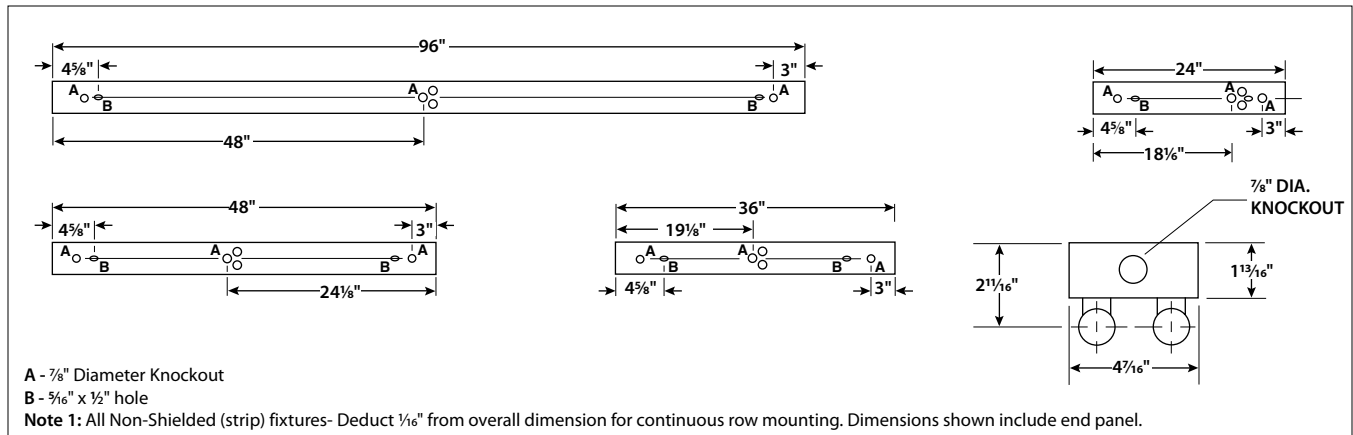
INDOOR CANDELA PLOT



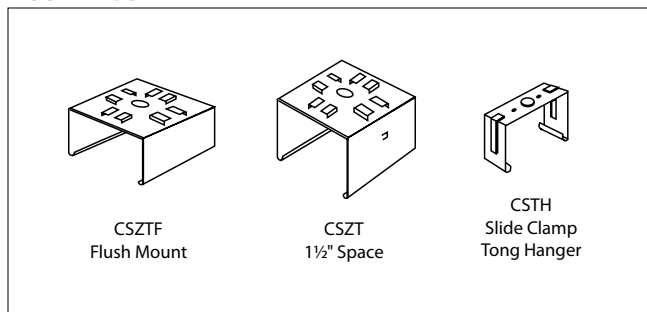
AVG. LUMINANCE (Candela/Sq. M.)

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

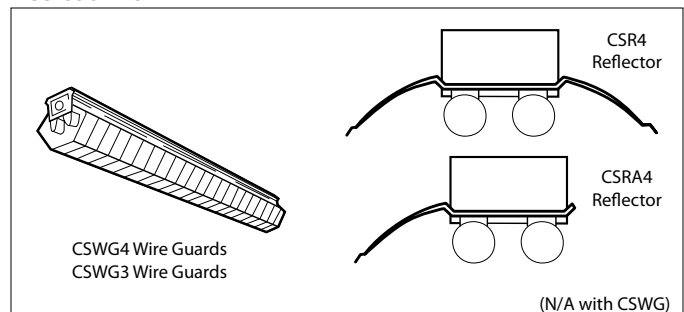
DIMENSIONAL DATA



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.