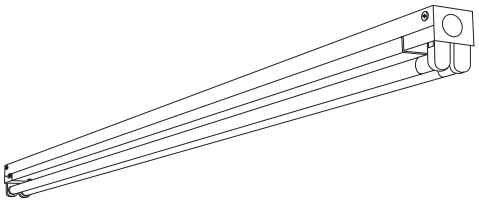
Columbia
LIGHTING

CN

T5 Channel / 1 or 2-Lamp T5, T5HO



PROJECT INFORMATION

Project Name

Type

Catalog No.

Date

FEATURES

- Available nominal 2', 3', or 4'
- Heavy die formed steel channel
- Rotary lock lampholders for positive lamp contact
- Individual or row mounting Surface or suspended
- Specially designed for use with T5 or T5HO lamps
- Narrow 2" strip
- KO's in end cap or back of housing for easier power hook up

CONSTRUCTION
Heavy gauge cold rolled steel housings fully assembled. Channel cover provides room-side access to ballast.

FINISH
Painted parts are treated with a five stage phosphate bonding process and finished with a high reflectance baked white enamel.

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.

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 CN4-254-EPU

CN – – –

MODEL	SIZE	NO. OF LAMPS IN CROSS SECTION	LAMP TYPE	BALLAST	VOLTAGE	OPTIONS
CN T5 Channel	**2** 2'	**1** One	**14** 2', T5: 14 Watt	**EP** Electronic T5, Programmed Start (Ballast will be determined by lamp type.)	**U** 120V-277V	**GLR** Fast Blow Fuse
	3 3'	**2** Two	**24** 2', T5HO: 24 Watt	**4EP** 4-Lamp Electronic T5HO, Programmed Start (54 Watt only)	**347** 347V	**GMF** Slow Blow Fuse
	4 4'		**21** 3', T5: 21 Watt	For a specific ballast vendor show as option.		**PAF** Paint After Fabrication
	8 8' (Two 4' channels tandem wired		**39** 3', T5HO: 39 Watt			**C&P** Cord and Plug
			28 4', T5: 28 Watt			**EL** Emergency Battery Pack (4' fixtures only)
			54 4', T5HO: 54 or 51 Watt			

ACCESSORIES (ORDER SEPARATELY)	
CNR_	Symmetric Reflector for 2', 3', 4'*
CNRA_	Asymmetric Reflector for 2', 3', 4'*
CNSAR_	Specular Symmetric Reflector for 2', 3', 4'*
CNSARA_	Specular Asymmetric Reflector for 2', 3', 4'*

* Specify reflector length.
For additional options and accessories contact factory.

701 Millennium Blvd. Greenville, SC 29607 / Tel **864.678.1000** / Tech Support **864.678.1668** / Website **www.columbialighting.com**

Hubbell Lighting, Inc.

PHOTOMETRIC DATA

Test **12789** Test Date **1/8/03**

LUMINAIRE DATA

Luminaire	**CN4-254-EP-PAF** **CN Striplight** **2" × 48" 2 Lamp Industrial Striplight**
Ballast	**PAV254T5M**
Ballast Factor	**1.00**
Lamp	**F54T5**
Lumens per Lamp	**4400**
Watts	**129**
Spacing Criterion	**0° =1.25 90° = 1.52**
Luminous Opening in Feet	**Length: 4.00** **Width: 0.17** **Height: 0.00**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1432	16.3	16.3
0-40	2431	27.6	27.7
0-60	4729	53.7	53.9
0-90	7272	82.6	82.8
90-120	1205	13.7	13.7
90-130	1384	15.7	15.8
90-150	1499	17.0	17.1
90-180	1507	17.1	17.2
0-180	8779	99.8	100.0

ENERGY DATA

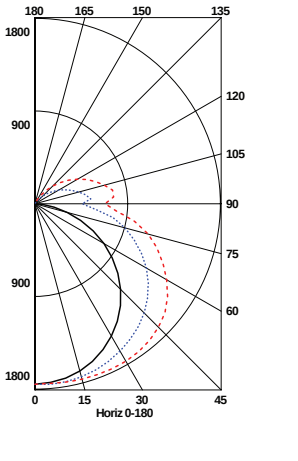
Total Luminaire Efficiency	**99.8%**
Luminaire Efficacy Rating (LER)	**68**
ANSI/IESNA RP-1-2004 Compliance:	**Noncompliant**
Comparative Yearly Lighting Energy Cost per 1000 Lumens	**$3.53 based on 3000 hrs. and $0.08 per KWH**

COEFFICIENTS OF UTILIZATION (%)

RCR	RC	80				70				50			0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
	1	102	96	90	86	97	92	87	83	84	80	77	63
	2	91	82	74	67	87	78	71	65	72	66	61	50
	3	82	71	61	54	78	68	59	53	62	55	50	40
	4	75	62	52	45	71	59	50	44	55	47	41	34
	5	68	55	45	38	65	53	44	37	48	41	35	28
	6	63	49	39	33	60	47	38	32	43	36	30	24
	7	58	44	35	28	55	42	34	28	39	32	26	21
	8	54	40	31	25	51	38	30	24	36	28	23	19
	9	50	36	28	22	48	35	27	22	33	26	21	17
	10	47	33	25	20	45	32	25	20	30	23	19	15

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance **RW** = Wall Reflectance

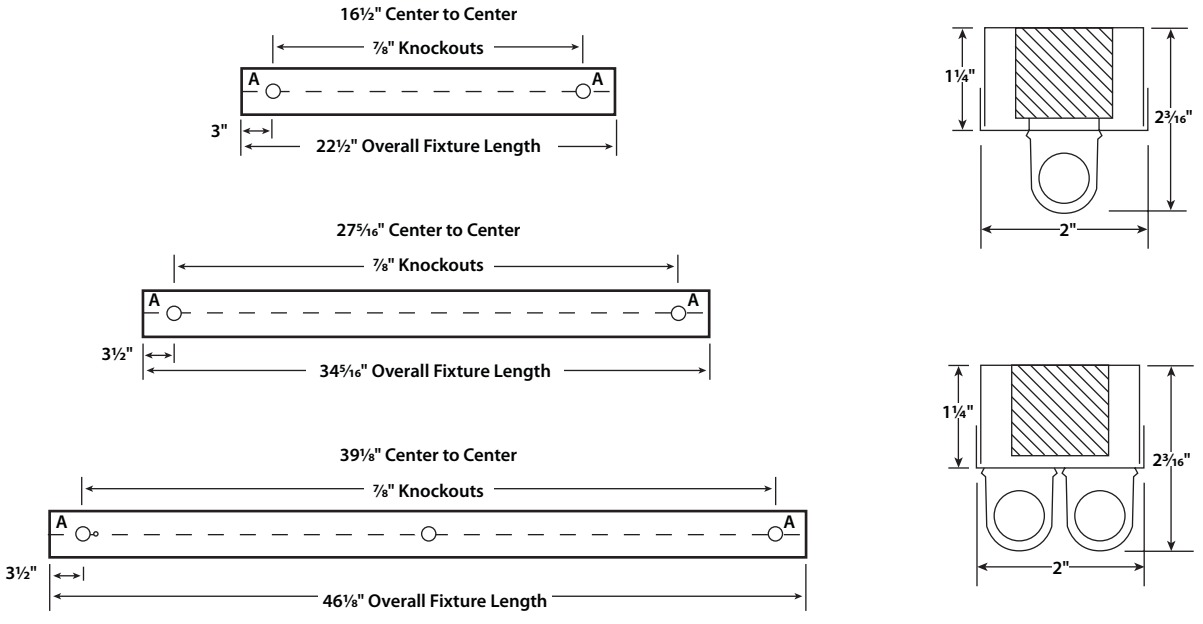
INDOOR CANDELA PLOT



AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	0.0	22.5	45.0	67.5	90.0
0	27733	27733	27733	27733	27733
30	27106	28240	30159	31694	32261
40	26677	28681	32194	34839	35748
45	26281	29012	33534	36758	37922
50	25857	29527	35092	39229	40559
55	25252	30247	37064	41921	43356
60	24472	31215	39573	45114	46728
65	23335	32511	42699	49404	51351
70	31845	34712	47393	55816	58362
75	19755	38348	55167	66420	69600
80	17229	45579	70010	84960	89427
85	13985	65023	105526	134586	143668

DIMENSIONAL DATA



A: ⅞" Diameter knockout

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

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