

# T5 INDUSTRIAL INDIRECT

# 79B

**SUBMITTAL:**

**T5**

**JOB:**

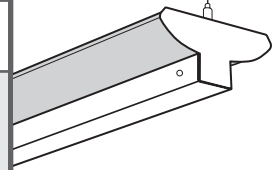
**TYPE:**

**VOLTAGE:**

EXAMPLE

**79B - 4 - 1 54T5H - F - OPTIONS - EB1 - UNV**

SERIES    NOMINAL LENGTH    TOTAL LAMPS    WATTAGE/TYPE    FIXTURE TYPE    OPTIONS/ACCESSORIES    BALLAST TYPE    VOLTAGE

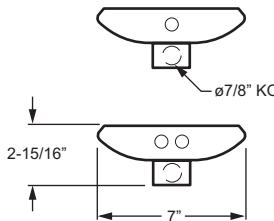


**SHOP NOW** >



## FEATURES

- ▶ **Up to 86.9% optical efficiency.**
- ▶ Ideal for open plenum applications and high-tech industrial environments.
- ▶ Compact, streamlined fixture provides architectural appeal.
- ▶ Perforated reflector with acrylic overlay provides subtle direct lighting and wide, uniform indirect illumination.
- ▶ Solid reflector option available for completely indirect lighting.
- ▶ Provided with convenient and easy-to-use adjustable aircraft cable mounting with straight feed cord.
- ▶ Bottom and sides of housing are free of knockouts and holes for a clean, architectural appearance.
- ▶ This fixture is proudly made in the USA.



## SPECIFICATIONS

**Housing** – 19-gauge die-formed C.R.S.  
**Reflector** – 22-gauge C.R.S. with 50% open perforation and acrylic overlay. Solid reflector available.  
**Finish** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.  
**Electrical** – Electronic ballast standard, program start T5, rated Class P.  
**Mounting** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.  
**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

## ORDERING INFORMATION

<b>SERIES</b>	<b>79B</b> T5 Industrial Indirect
<b>NOMINAL LENGTH</b>	<b>4</b> 4' <b>8</b> 8'
<b>TOTAL LAMPS</b>	<b>1, 2, or 4</b> (1- or 2-lamp cross-section)
<b>LAMP WATTAGE/TYPE</b>	<b>28T5S</b> 4', 28-watt T5 (1- or 2-lamp ballast[s] only) <b>54T5H</b> 4', 54-watt T5HO
<b>FIXTURE TYPE</b>	<b>F</b> Electrical feeder unit, 3-conductor, straight white cord standard (wire gauge to be determined by row length), quick-connect wiring harness, two end caps included <b>J</b> Joiner unit, quick-connect wiring harness

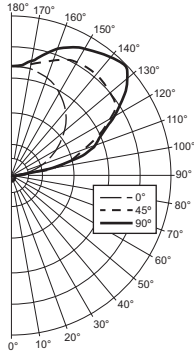
<b>OPTIONS</b>	For generic <b>EM ballast</b> options (must specify voltage), see Fluorescent Information section. <b>CLR</b> Clear coat finish over bare pretreated metal <b>SLD</b> Solid reflector <b>C2_</b> Two-circuit quick-connect wiring harness. See Fluorescent Information section for complete quick-connect offering.
<b>ACCESSORIES</b>	See Fluorescent Information section for <b>alternate mounting accessories</b> .
<b>BALLAST TYPE</b>	<b>EB1</b> 1-lamp electronic ballast <b>EB2</b> 2-lamp electronic ballast <b>EB4</b> 4-lamp electronic ballast
<b>VOLTAGE</b>	<b>120</b> 120V <b>277</b> 277V <b>UNV</b> 120-277V <b>347</b> 347V

## PHOTOMETRY

Catalog #: 79B-4-154T5H

### TEST REPORT INFORMATION

- ▶ Test Report #: 14885.0
- ▶ Date: 06/28/00
- ▶ Lamp Type: F54T5/835HO
- ▶ Lamp Quantity: 1



### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	32.	0.7	0.8
0 - 40	53.	1.2	1.4
0 - 60	98.	2.2	2.5
0 - 90	155.	3.5	4.0
40 - 90	101.	2.3	2.6
60 - 90	56.	1.3	1.4
90 - 180	3753.	83.4	96.0
<b>Total Luminaire:</b>			
0 - 180	3908.	86.9	100.0

Total Luminaire Optical Efficiency: **86.9%**  
 Spacing Criteria: End = 1.2, Diagonal = 1.3, Across = 1.3

### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	43.	43.	43.	
5°	43.	43.	42.	4.0
15°	43.	41.	40.	11.0
25°	40.	35.	36.	17.0
35°	36.	34.	32.	21.0
45°	30.	30.	30.	22.0
55°	23.	26.	30.	23.0
65°	14.	24.	31.	22.0
75°	5.	21.	26.	19.0
85°	1.	15.	21.	15.0
90°	2.	22.	30.	
95°	30.	59.	66.	84.0
105°	134.	428.	431.	379.0
115°	271.	669.	694.	591.0
125°	408.	896.	953.	705.0
135°	530.	933.	1134.	689.0
145°	630.	949.	1089.	570.0
155°	709.	930.	1034.	415.0
165°	761.	855.	930.	242.0
175°	788.	803.	810.	78.0
180°	789.	789.	789.	

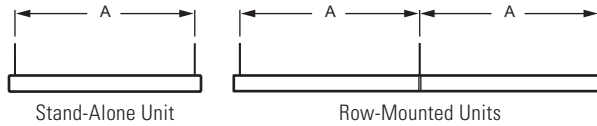
### ZONAL CAVITY COEFFICIENTS

Ceiling	.80			.70			.50			
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.84	.84	.84	.72	.72	.72	.50	.50	.50	
1	.76	.72	.69	.65	.62	.60	.44	.42	.41	
2	.69	.63	.58	.59	.54	.50	.38	.35	.33	
3	.63	.55	.49	.54	.48	.43	.33	.30	.28	
4	.57	.49	.42	.49	.42	.37	.29	.26	.24	
5	.52	.42	.36	.45	.37	.32	.26	.23	.20	
6	.48	.38	.32	.41	.33	.28	.23	.20	.17	
7	.44	.34	.28	.38	.30	.24	.21	.17	.15	
8	.41	.31	.24	.35	.27	.21	.19	.15	.13	
9	.38	.28	.22	.32	.24	.19	.17	.14	.11	
10	.35	.25	.19	.30	.22	.17	.16	.12	.10	

Effective Floor Cavity Reflectance = .20

## FIXTURE DETAILS

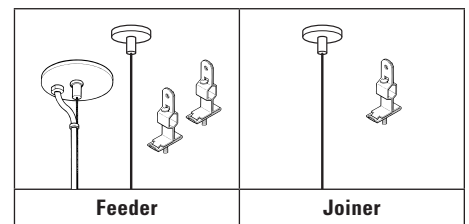
### MOUNTING INFORMATION (center to center mounting cable)



Nominal Unit Length	Dimension A
4'	48"
8'	96"

Note: 8' fixture uses (2) 4' reflectors.

### STANDARD HARDWARE (grid ceiling applications)



Notes:

- Fixtures are provided with adjustable length aircraft cables and choice of T-bar (standard) or optional hard pan ceiling hardware, must specify. See Fluorescent Information section for details.
- Electrical supply is brought into the feeder fixture, either as part of a row or as an individual mount unit. Joiner fixtures complete the row.