

T5 INDUSTRIAL INDIRECT

79B

SUBMITTAL:

T5

JOB:

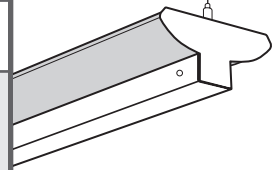
TYPE:

VOLTAGE:

EXAMPLE

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

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

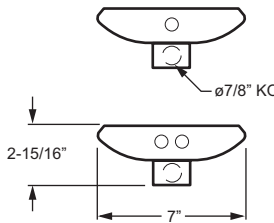


SHOP NOW >



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

SERIES

79B T5 Industrial Indirect

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

1, 2, or 4 (1- or 2-lamp cross-section)

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5 (1- or 2-lamp ballast[s] only)
54T5H 4', 54-watt T5HO

FIXTURE TYPE

F 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
J Joiner unit, quick-connect wiring harness

OPTIONS

For generic **EM ballast** options (must specify voltage), see Fluorescent Information section.

CLR Clear coat finish over bare pretreated metal
SLD Solid reflector
C2_ Two-circuit quick-connect wiring harness. See Fluorescent Information section for complete quick-connect offering.

ACCESSORIES

See Fluorescent Information section for **alternate mounting accessories**.

BALLAST TYPE

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast
EB4 4-lamp electronic ballast

VOLTAGE

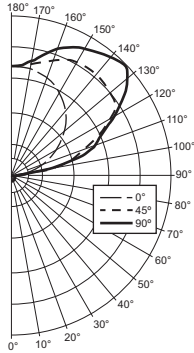
120 120V
277 277V
UNV 120-277V
347 347V

PHOTOMETRY

Catalog #: 79B-4-154T5H

TEST REPORT INFORMATION

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



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.	

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
Total Luminaire:			
0 - 180	3908.	86.9	100.0

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

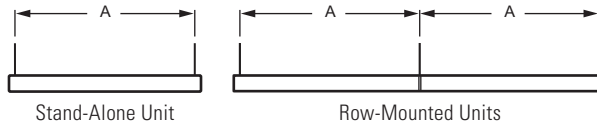
ZONAL CAVITY COEFFICIENTS

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

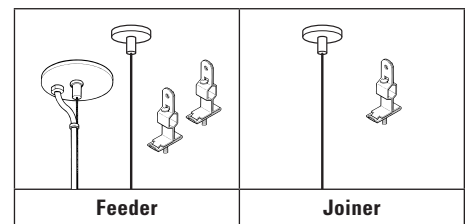
MOUNTING INFORMATION (center to center mounting cable)



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.