

T5 SUSPENDED DIRECT/INDIRECT

SDI5

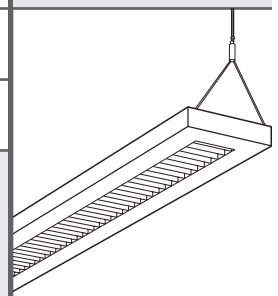
SUBMITTAL:

JOB:

TYPE:

VOLTAGE:

T5



EXAMPLE

SDI5 - 4 - 2 28T5S - F - 144W/MWA - OPTIONS - EB2 - UNV

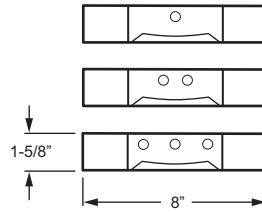
SERIES NOMINAL LENGTH TOTAL LAMPS WATTAGE/TYPE FIXTURE TYPE SHIELDING OPTIONS/ACCESSORIES BALLAST TYPE VOLTAGE



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FEATURES

- ▶ **Up to 93.4% optical efficiency.**
- ▶ Standard distribution of 25% down, 75% up for a blend of direct/indirect lighting.
- ▶ Optional 90° corners allow continuous runs around corners (see back for details).
- ▶ Self-aligning joining method ensures straight, continuous rows.
- ▶ Matte white acrylic overlay above the louver is standard.
- ▶ Optional dust cover hinders dirt and dust from entering fixture.
- ▶ Optional linear prismatic acrylic lens available for wide distribution.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – 20-gauge die-formed C.R.S.
Reflective Surfaces – 92% minimum average reflective white polyester powder coat on interior components.
Shielding – Textured matte white polyester powder coated aluminum cross-blade louver, 7/16" deep, 1" spacing, 1 x 44-cell, with acrylic overlay.
Finish – Textured matte white polyester TGIC 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 with two-point "Y" connector 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

SDI5 T5 Suspended Direct/Indirect Version 5

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

1, 2, 3, 4, or 6 (1-, 2-, or 3-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

SHIELDING

144W/MWA 7/16" deep, 44-cell cross-blade louver with matte white acrylic overlay (standard)
KSH-25/A Linear prismatic acrylic lens, .110" thick

OPTIONS

For **EM ballast** options consult factory.

LC Low ceiling
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**.

90° SDI5 corner assembly must be ordered separately. See back for details.

DUSTCOVER Clear acrylic over fixture

BALLAST TYPE

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast
EB3 3-lamp electronic ballast
EB4 4-lamp electronic ballast
EB2/1 (1) 2-lamp and (1) 1-lamp electronic ballast
EB3/3 (2) 3-lamp electronic ballasts
EB4/2 (1) 4-lamp and (1) 2-lamp electronic ballast

VOLTAGE

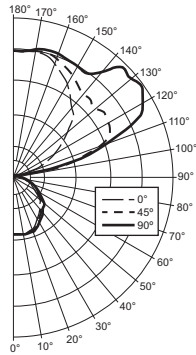
120 120V
277 277V
UNV 120-277V
347 347V

PHOTOMETRY

Catalog #: **SDI5-4-228T5S-F-144W/MWA**

TEST REPORT INFORMATION

- ▶ Test Report #: 13155.0
- ▶ Date: 06/26/06
- ▶ Lamp Type: FP28T5/835
- ▶ Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	470.	470.	470.	
5°	470.	473.	473.	45.0
15°	455.	461.	471.	131.1
25°	411.	421.	438.	195.6
35°	351.	364.	387.	230.1
45°	290.	306.	335.	239.4
55°	189.	212.	239.	190.6
65°	107.	132.	152.	129.4
75°	33.	57.	63.	55.8
85°	0.	6.	5.	5.6
90°	0.	0.	1.	
95°	33.	74.	29.	71.5
105°	159.	558.	608.	510.8
115°	318.	844.	1117.	762.9
125°	483.	872.	1238.	771.7
135°	664.	855.	1215.	703.3
145°	778.	883.	993.	555.1
155°	893.	954.	1009.	440.3
165°	985.	1007.	1031.	285.5
175°	991.	991.	991.	94.6
180°	993.	993.	993.	

ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.94	.94	.94	.83	.83	.83	.64	.64	.64
1	.86	.82	.79	.76	.73	.70	.56	.54	.53
2	.78	.72	.67	.69	.64	.60	.49	.46	.44
3	.72	.63	.57	.63	.57	.51	.44	.40	.37
4	.65	.56	.49	.58	.50	.44	.39	.35	.32
5	.60	.50	.43	.53	.45	.38	.35	.30	.27
6	.55	.45	.37	.49	.40	.34	.31	.27	.24
7	.51	.40	.33	.45	.36	.30	.28	.24	.21
8	.47	.36	.29	.42	.32	.27	.25	.21	.18
9	.44	.33	.26	.39	.29	.24	.23	.19	.16
10	.31	.30	.24	.36	.27	.21	.21	.17	.14

Effective Floor Cavity Reflectance = .20

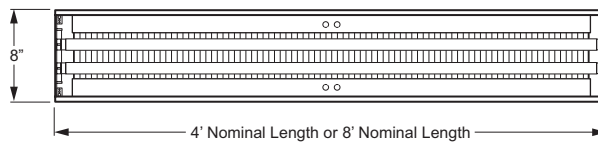
LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	372.	6.4	6.9
0 - 40	602.	10.4	11.1
0 - 60	1032.	17.8	19.0
0 - 90	1223.	21.1	22.6
90 - 120	1345.	23.2	24.8
90 - 130	2117.	36.5	39.1
90 - 150	3375.	58.2	62.3
90 - 180	4196.	72.3	77.4
Total Luminaire:			
0 - 180	5418.	93.4	100.0

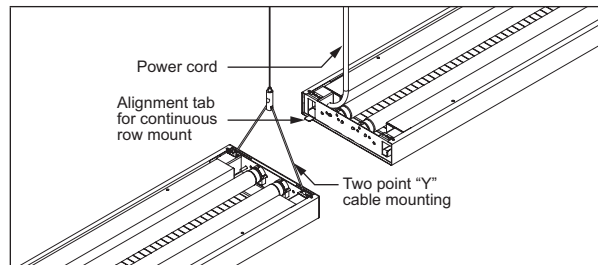
Total Luminaire Optical Efficiency: **93.4%**
Spacing Criteria: End = 1.2, Diagonal = 1.2, Across = 1.3

FIXTURE DETAILS

BACK VIEW

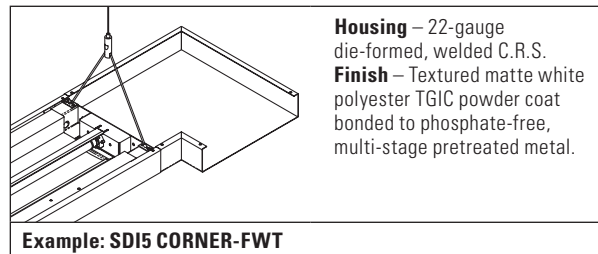


CONTINUOUS ROW DETAILS

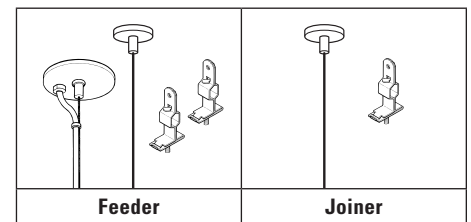


For continuous row mount, suspend fixture using aircraft cable at every fixture intersection and at both ends. Make the electrical connections using the plug-in wiring harness (provided). Install end plates on each end of the continuous row. Depending on installation method, cable mounting may require additional counter-weights due to side-mounted ballast.

90° CORNER ASSEMBLY (for continuous row installations)



STANDARD HARDWARE (grid ceiling applications)



Notes:

- Fixtures are provided with adjustable length aircraft cables with two-point "Y" connectors 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.