

T8 SUSPENDED DIRECT/INDIRECT

SDI5

SUBMITTAL:

T8

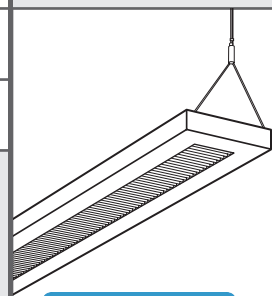
JOB:

TYPE:

VOLTAGE:

EXAMPLE → **SDI5 - 4 - 3 32 - F - 188W - OPTIONS - EB3 - UNV**

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

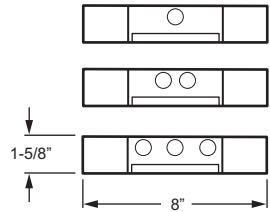


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FEATURES

- ▶ **Up to 80.3% optical efficiency.**
- ▶ Standard distribution of 35% down, 65% 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.
- ▶ Optional divided lamp compartment for three-lamp T8 cross-sections; ideal for dual-level switching in a classroom environment.
- ▶ Optional dust cover available to hinder dirt and dust from entering fixture.
- ▶ Optional linear prismatic acrylic lens 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 TGIC powder coated aluminum cross-blade louver, 1/2" deep, 1/2" spacing, 1 x 88-cell (35° lengthwise cutoff).

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, instant start T8, 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	T8 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	32	4', 32-watt T8
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	188W	1/2" deep, 88-cell cross-blade louver (standard)
	KSH-25/A	Linear prismatic acrylic lens, 110" thick

OPTIONS	For EM ballast options consult factory.
DLC	Divided lamp compartment, 3-lamp cross-section only (2-lamp down, 1-lamp up standard)
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	Ballast size restricted to maximum ballast cross-section of 1-1/4"H x 1-3/4"W.
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
EB4/2	(1) 4-lamp and (1) 2-lamp electronic ballast

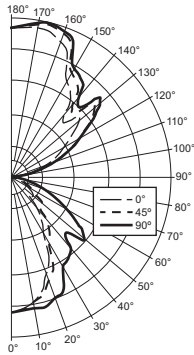
VOLTAGE	120	120V
	277	277V
	UNV	120-277V
	347	347V

PHOTOMETRY

Catalog #: **SDI5-4-332-F-188W**

TEST REPORT INFORMATION

- ▶ Test Report #: 13158.0
- ▶ Date: 06/27/06
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 3



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	951.	10.7	13.4
0 - 40	1402.	15.8	19.7
0 - 60	2102.	23.7	29.6
0 - 90	2456.	27.7	34.6
90 - 120	1130.	12.8	15.9
90 - 130	2008.	22.7	28.3
90 - 150	3401.	38.4	47.9
90 - 180	4649.	52.5	65.4
Total Luminaire:			
0 - 180	7105.	80.3	100.0

Total Luminaire Optical Efficiency: **80.3%**
 Spacing Criteria: End = 0.9, Diagonal = 1.0, Across = 1.2

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1333.	1333.	1333.	
5°	1306.	1308.	1320.	125.1
15°	1177.	1208.	1325.	347.9
25°	909.	1003.	1244.	477.6
35°	549.	682.	1001.	451.4
45°	249.	380.	779.	337.3
55°	234.	291.	830.	362.5
65°	137.	171.	510.	224.5
75°	59.	86.	220.	107.0
85°	5.	22.	32.	22.8
90°	0.	1.	3.	
95°	57.	79.	84.	84.7
105°	285.	359.	359.	372.9
115°	551.	712.	706.	672.4
125°	806.	1028.	1055.	878.0
135°	743.	872.	964.	671.2
145°	1048.	1157.	1213.	722.4
155°	1366.	1461.	1493.	670.6
165°	1486.	1542.	1563.	435.2
175°	1475.	1485.	1493.	141.7
180°	1462.	1462.	1462.	

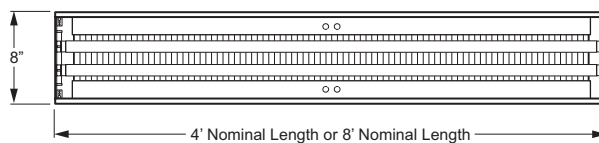
ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.80	.70	.50	.30	.50	.10
0	.83	.83	.83	.75	.75	.75	.60	.60	.60
1	.76	.73	.70	.69	.66	.64	.53	.52	.50
2	.70	.64	.60	.63	.58	.55	.47	.45	.42
3	.64	.57	.51	.58	.52	.47	.42	.39	.36
4	.59	.51	.45	.53	.46	.41	.38	.34	.31
5	.54	.45	.39	.49	.41	.36	.34	.30	.27
6	.50	.41	.35	.45	.37	.32	.31	.27	.24
7	.46	.37	.31	.42	.34	.29	.28	.24	.21
8	.43	.33	.28	.39	.31	.26	.25	.21	.19
9	.40	.30	.25	.36	.28	.23	.23	.19	.17
10	.37	.28	.22	.34	.26	.21	.21	.17	.15

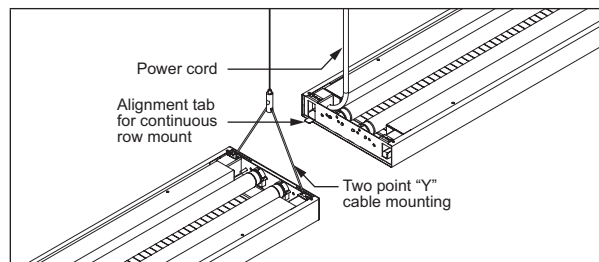
Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

BACK VIEW

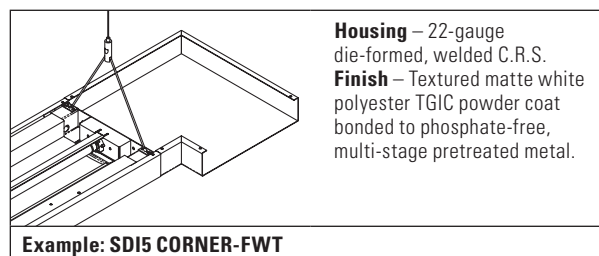


CONTINUOUS ROW DETAILS

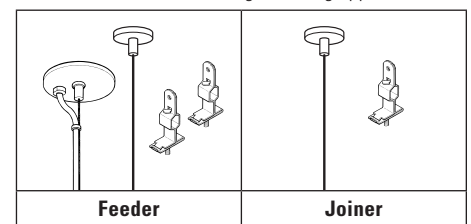


For continuous row mount, suspend fixture using aircraft cable at every fixture intersection and at both ends. Make the electrical connections using the plug-in wiring harness (provided). Install end plates on each end of the continuous row. Depending on installation method, cable mounting may require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