

# ARCHITECTURAL STRIP – SMALL ROUND DECORATIVE

# ST-DDI

**SUBMITTAL:**

**JOB:**

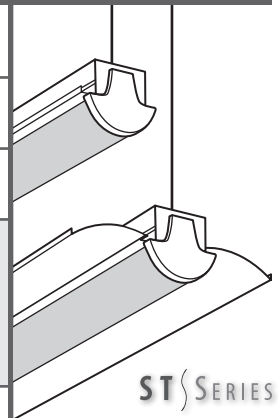
**TYPE:**

**VOLTAGE:**

EXAMPLE

**ST-DDI AD R0 - 4 - 2 32 - F - OPTIONS - EB2 - UNV**

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

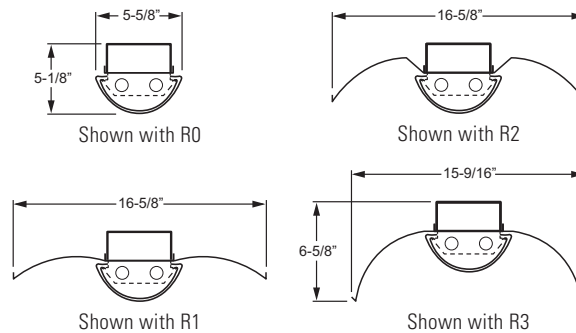


ST SERIES



## FEATURES

- ▶ Simplistic, tastefully designed suspended architectural fixture.
- ▶ Frosted acrylic diffuser and textured white powder coated reflectors provide soft, uniform illumination and increased efficiency.
- ▶ Lamps shielded from direct view by diffuser.
- ▶ Choice of diffuser and reflector combinations provide a variety of appearances.
- ▶ Injection-molded decorative end caps.
- ▶ Continuous row mounting available with self-aligning joining method to ensure straight rows.
- ▶ This fixture is proudly made in the USA.



## SPECIFICATIONS

**Housing** – 22-gauge die-formed C.R.S. with 20-gauge die-formed C.R.S. end plates.

**Diffuser** – AD: frosted acrylic; WPR: die-formed C.R.S., 50% open perforation, white powder coated diffuser with matte white acrylic overlay; WPASL: die-formed C.R.S., 50% open perforation, white powder coated diffuser with matte white acrylic overlay and aluminum solid louver.

**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, program start T5, rated Class P.

**Mounting** – Suspended. 1/16" diameter adjustable steel aircraft cable and mounting hardware necessary for grid ceiling applications provided. Surface mount available with alternate mounting accessories. See back for details.

**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

**For Reflector Models** – Reflector is precision die-formed 22-gauge C.R.S. with textured matte white polyester powder coat.

## ORDERING INFORMATION

### SERIES

**ST-DDI** Architectural Strip–Small Round Decorative

### DIFFUSER & REFLECTOR COMBINATIONS (Must specify)

#### DIFFUSER OPTIONS (see back for details)

- AD** Frosted acrylic
- WPR** White perforated round
- WPASL** White perforated with aluminum solid louver

#### REFLECTOR OPTIONS

- R0** Diffuser only (VBY not available)
- R1** Double arch
- R1U** Double arch with uplight
- R2** Batwing
- R2U** Batwing with uplight
- R3** Direct/indirect
- R3U** Direct/indirect with uplight

### NOMINAL LENGTH

Available in 4' or 8' lengths only.

- 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)
- 32** 4', 32-watt T8
- 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, one end plate installed
- J** Joiner unit, no cord, quick-connect wiring harness, no end plates
- E** End unit, no cord, quick-connect wiring harness, one end plate installed
- S** Stand-alone unit, 3-conductor straight white cord standard, two end plates installed

### OPTIONS & ACCESSORIES

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

See back for **alternate mounting accessories**.

- C2\_** Two-circuit quick-connect wiring harness. See Fluorescent Information section for complete quick-connect offering.

### BALLAST TYPE

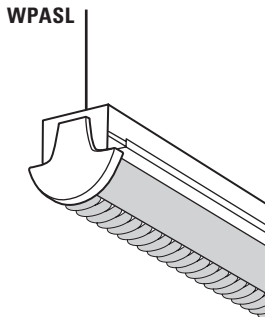
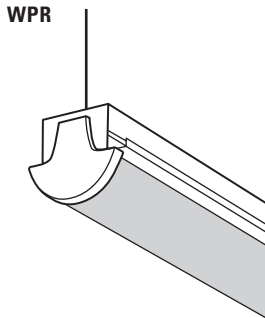
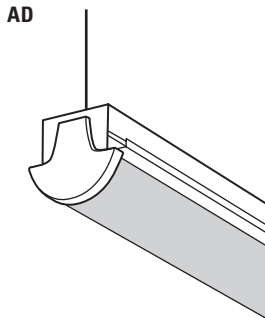
For **dimming ballast** options, see Information section.

- EB1** 1-lamp electronic ballast
- EB2** 2-lamp electronic ballast
- EB4** 4-lamp electronic ballast
- EB2/2** (2) 2-lamp electronic ballasts

### VOLTAGE

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

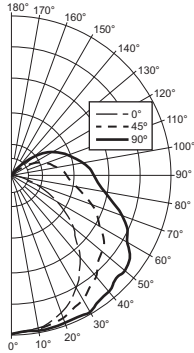
### DIFFUSER OPTIONS



### PHOTOMETRY

#### TEST REPORT INFORMATION

- ▶ Test Report #: 15849.0
- ▶ Date: 12/15/10
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lamp Quantity: 2
- ▶ Rated Lumens: 2950.



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1079.	1079.	1079.	
5°	1064.	1064.	1067.	101.6
15°	1029.	1048.	1071.	297.2
25°	938.	995.	1062.	461.5
35°	794.	919.	1036.	575.6
45°	605.	825.	995.	626.7
55°	435.	753.	978.	653.9
65°	242.	633.	858.	584.4
75°	97.	496.	698.	470.6
85°	18.	391.	574.	376.7
90°	3.	367.	547.	
95°	0.	339.	518.	328.7
105°	5.	266.	429.	253.6
115°	8.	192.	346.	177.4
125°	13.	109.	252.	107.1
135°	15.	36.	125.	43.6
145°	22.	29.	46.	19.3
155°	20.	25.	29.	11.2
165°	21.	20.	22.	6.0
175°	22.	20.	20.	1.9
180°	22.	22.	22.	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	860.	14.6	16.9
0 - 40	1436.	24.3	28.2
0 - 60	2717.	46.0	53.3
0 - 90	4148.	70.3	81.4
90 - 120	760.	12.9	14.9
90 - 130	867.	14.7	17.0
90 - 150	930.	15.8	18.2
90 - 180	949.	16.1	18.6
<b>Total Luminaire:</b>			
0 - 180	5097.	86.4	100.0

Total Luminaire Optical Efficiency: **86.4%**  
Spacing Criteria: End = 1.2, Diagonal = 1.3, Across = 1.5

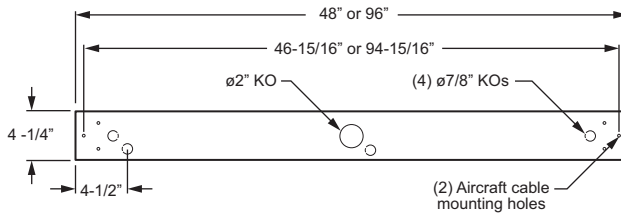
#### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor			
	.70	.50	.30	.70	.50	.30	.50	.30	.10	
Room Cavity Ratio	0	.99	.99	.99	.95	.95	.95	.87	.87	.87
1	.88	.84	.79	.84	.80	.76	.73	.70	.67	
2	.80	.72	.65	.76	.69	.63	.63	.58	.54	
3	.72	.63	.55	.69	.60	.53	.55	.49	.45	
4	.66	.55	.47	.63	.53	.46	.49	.42	.38	
5	.60	.48	.40	.57	.46	.39	.43	.36	.31	
6	.55	.43	.35	.52	.41	.34	.38	.32	.27	
7	.51	.39	.31	.48	.37	.30	.34	.28	.23	
8	.47	.35	.27	.44	.33	.26	.31	.25	.20	
9	.43	.31	.24	.41	.30	.23	.28	.22	.17	
10	.40	.28	.21	.38	.27	.21	.25	.19	.15	

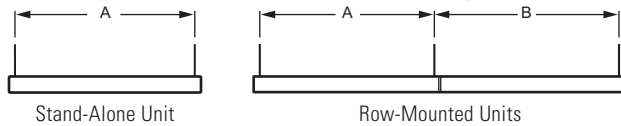
Effective Floor Cavity Reflectance = .20

### FIXTURE DETAILS

#### BACK VIEW

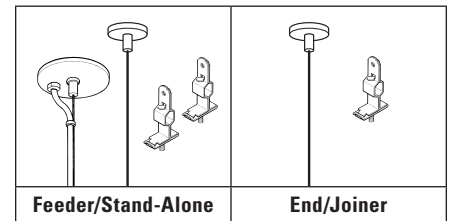


#### MOUNTING INFORMATION (center to center mounting cable)



Nominal Unit Length	Dimension A	Dimension B
4'	46-15/16"	48"
8'	94-15/16"	96"

#### 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 (or stand-alone) fixture, either as part of a row or as an individual mount unit. Joiner and end fixtures complete the row.

#### ALTERNATE MOUNTING ACCESSORIES (in lieu of standard suspended hardware)

	<b>320<sup>1</sup></b> 1-1/2" ceiling spacer <sup>1</sup>
	<b>GAT<sup>1</sup></b> T-bar attachment for 320 spacer <sup>1</sup>
	<b>SHS</b> Surface mount hanger for T-bar
	<b>VBY<sup>1</sup></b> (2) Y-hangers, located 2" from end (for use with reflector models only) <sup>1</sup>

<sup>1</sup> Accessories can be combined to provide variable mounting.

