

# DUAL SIDE PERFORATED

# DSP

**SUBMITTAL:**

2x4

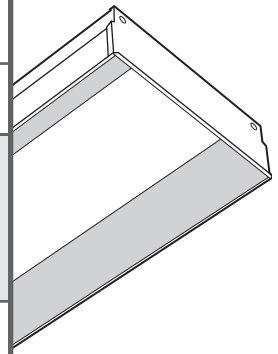
**JOB:**

**TYPE:**

**VOLTAGE:**

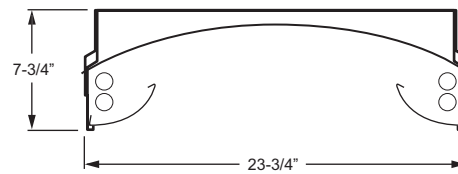
**EXAMPLE** **DSP G - S 2 4 - 4 32 - WP - OPTIONS - EB4 - UNV**

SERIES    CEILING TYPE    FIX. STYLE    NOM. W.    NOM. L.    TOTAL WATTAGE/LAMPS TYPE    SHIELDING    OPTIONS    BALLAST TYPE    VOLTAGE



## FEATURES

- ▶ Side-mounted lamps create soft, diffused illumination.
- ▶ Lamps shielded from direct view by decorative perforated elements.
- ▶ Matte white overlay and highly reflective non-glare white powder coated reflectors and end plates provide soft, uniform illumination and increased efficiency.
- ▶ Swing-down diffusers allow easy re-lamping.
- ▶ Ballast accessible from room side of fixture.
- ▶ Ballast secured by two captive bolts and nuts to ensure a tight, reliable fit for maximum heat dissipation.
- ▶ Optional anti-microbial powder coating available to prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria.
- ▶ This fixture is proudly made in the USA.



## SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.

**Reflector** – Precision die-formed C.R.S. with highly reflective non-glare matte white polyester powder coated finish.

**Shielding** – Die-formed C.R.S., 50% open perforation, white polyester powder coated diffuser with matte white acrylic overlay.

**Finish** – Highly reflective non-glare matte 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, instant start T8, program start T5, rated Class P.

**Mounting** – NEMA Type “G” (1” nominal width grid system only). For flange installations use the Drywall Kit (DFK), ordered separately, see Fluorescent Information section.

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

## ORDERING INFORMATION

### SERIES

**DSP** Dual Side Perforated

### CEILING TYPE

**G** NEMA Type “G” (1” nominal width grid system only)

For flange installations use the Drywall Kit (DFK), ordered separately, see Fluorescent Information section.

### FIXTURE STYLE

**S** Static, no air capability

### NOMINAL WIDTH

**2** 2’

### NOMINAL LENGTH

**4** 4’

### TOTAL LAMPS

**2 or 4**

### LAMP WATTAGE/TYPE

**28T5S** 4’, 28-watt T5

**32** 4’, 32-watt T8

**54T5H** 4’, 54-watt T5HO

### SHIELDING

**WP** White perforated flat diffuser

### OPTIONS

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

**AMW** Anti-microbial white finish

**EQCLIPS** Earthquake clips (4 per fixture)

### BALLAST TYPE

**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

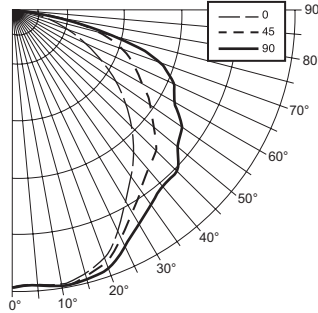
2x4

## PHOTOMETRY INFORMATION

Catalog #: **DSPG-S24-432-WP**

### TEST REPORT INFORMATION

- ▶ Test Report #: 13851.0
- ▶ Date: 12/28/07
- ▶ Lamp Type: F32WT8/835/RS
- ▶ Lamp Quantity: 4



### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2008.	2008.	2008.	
5°	1998.	1998.	2000.	190.7
15°	1966.	1980.	2005.	561.9
25°	1756.	1815.	1882.	841.4
35°	1468.	1588.	1714.	999.0
45°	1196.	1440.	1657.	1109.9
55°	871.	1201.	1473.	1064.3
65°	559.	955.	1265.	925.9
75°	292.	641.	792.	623.4
85°	68.	108.	138.	115.1
90°	0.	0.	0.	

### ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor			
	.80	.70	.50	.70	.50	.30	.50	.30	.10	
Room Cavity Ratio	0	.65	.65	.65	.63	.63	.63	.61	.61	.61
	1	.59	.57	.54	.58	.56	.53	.53	.52	.50
	2	.54	.49	.46	.52	.48	.45	.46	.44	.41
	3	.49	.43	.39	.48	.43	.38	.41	.37	.34
	4	.45	.38	.33	.44	.38	.33	.36	.32	.29
	5	.41	.34	.29	.40	.33	.28	.32	.28	.24
	6	.37	.30	.25	.36	.29	.25	.28	.24	.21
	7	.34	.27	.22	.33	.26	.22	.26	.21	.18
	8	.32	.24	.19	.31	.24	.19	.23	.19	.16
	9	.29	.22	.17	.28	.21	.17	.21	.16	.14
	10	.27	.20	.15	.26	.19	.15	.19	.15	.12

Effective Floor Cavity Reflectance = .20

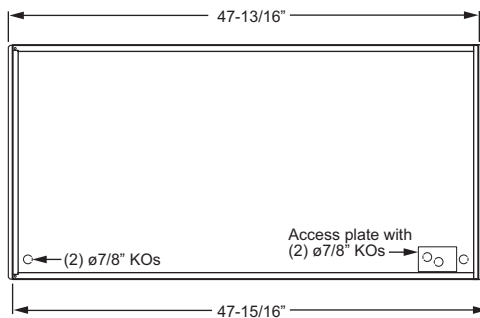
### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1594.	13.5	24.8
0 - 40	2593.	22.0	40.3
0 - 60	4767.	40.4	74.1
0 - 90	6432.	54.5	100.0
<b>Total Luminaire:</b>			
0 - 180	6432.	54.5	100.0

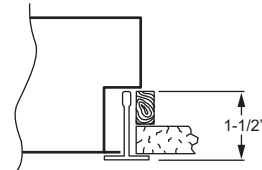
Total Luminaire Optical Efficiency: **54.5%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.3  
 Across = 1.3

## FIXTURE DETAILS

### BACKVIEW



### DRYWALL KIT (DFK)



When using the DFK with Williams DSP fixture, the structure surrounding the DFK at each end of fixture is to extend no more than 1-1/2" from the bottom of the "T" as shown.