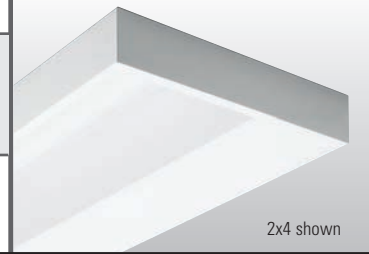


# DIRECT/INDIRECT SURFACE MOUNT

# DIS

1x4 | 2x2 | 2x4



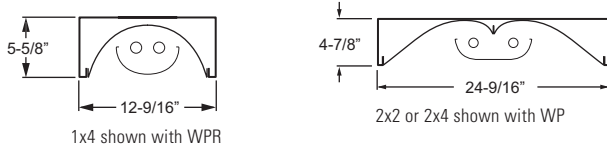
CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_ NOTES: \_\_\_\_\_

**EXAMPLE** **DIS** - **2 4** - **2 32** - **WPR** - **OPTIONS** - **EB2** - **UNV**

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

## CROSS SECTIONS



## FEATURES

- ▶ 4-7/8" deep surface mount fixture provides sleek, low-profile appearance
- ▶ Improved efficiency provided with acrylic diffuser option.<sup>1</sup>
- ▶ Lamps shielded from direct view by diffuser.
- ▶ Matte white overlay and highly reflective non-glare white powder coated reflectors and end plates provide soft, uniform illumination and increased efficiency.
- ▶ Ballast accessible from room side of fixture.
- ▶ This fixture is proudly made in the USA.

## ORDERING INFORMATION

**SERIES**  
**DIS** Direct/Indirect Surface Mount

**NOMINAL WIDTH**

1	1'
2	2'

**NOMINAL LENGTH**

2	2' (2' width only)
4	4'

**TOTAL LAMPS**

1 or 2	(1x4)
1, 2, or 3	(2x2 and 2x4)

**LAMP WATTAGE/TYPE**

**2x2 LAMP OPTIONS**

<b>14T5S</b>	2', 14-watt T5 (1- or 2-lamp ballast[s] only)
<b>17</b>	2', 17-watt T8
<b>24T5H</b>	2', 24-watt T5HO
<b>40TT</b>	2', 40-watt long twin tube
<b>50TT</b>	2', 50-watt long twin tube
<b>55TT</b>	2', 55-watt long twin tube

**1x4 or 2x4 LAMP OPTIONS**

<b>28T5S</b>	4', 28-watt T5 (1- or 2-lamp ballast[s] only)
<b>32</b>	4', 32-watt T8
<b>54T5H</b>	4', 54-watt T5HO

**SHIELDING**  
 See page 4 for shielding details.

<b>WPR</b>	White perforated round
<b>WP</b>	White perforated flat (2x2 and 2x4 only)
<b>AD</b>	Acrylic (2x2 and 2x4 only)
<b>WPRL</b>	White perforated with round louver (2x2 and 2x4 only)
<b>WPASL</b>	White perforated with aluminum solid louver
<b>WPR/SPLIT</b>	White perforated round with split (2x2 and 2x4 only)

**OPTIONS**  
 See Technical Info for generic [EM ballast options](#) (must specify voltage) and [mounting options](#).

**BALLAST TYPE**  
 Additional ballast options available, see [Technical Info](#).

<b>EB1</b>	1-lamp electronic ballast
<b>EB2</b>	2-lamp electronic ballast
<b>EB3</b>	3-lamp electronic ballast

**VOLTAGE**

<b>120</b>	120V
<b>277</b>	277V
<b>UNV</b>	120-277V
<b>347</b>	347V

<sup>1</sup> Available in 2' wide fixtures only.



1x4 | 2x2 | 2x4

### PHOTOMETRY – 2x4 WPR

Catalog #: DIS-24-232-WPR

#### SPECIFICATIONS

**Housing** – 20-gauge die-formed C.R.S.  
**Reflector** – Precision-formed C.R.S. with highly reflective non-glare matte white polyester powder coat.

**Shielding** – 20-gauge precision-formed C.R.S., 50% open perforation with 92% minimum average reflective white polyester powder coat and matte white acrylic overlay. Optional .125" frosted acrylic ribbed diffuser available (2" wide fixtures only).

**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, rated Class P. Default offering shown in chart below.

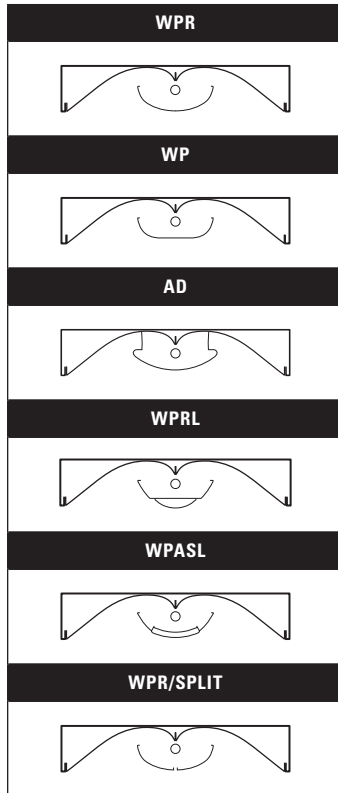
Lamp	Instant Start	Program Start
T5		•
T8	•	
40TT	•	
50TT		•
55TT		•

**Mounting** – Surface or suspended with stem and canopy.

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

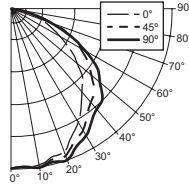
#### SHIELDING OPTIONS

Six (6) shielding options available. 1x4 available with WPR and WPASL only.



#### TEST REPORT INFORMATION

- ▶ Test Report #: 10330.0
- ▶ Date: 06/25/99
- ▶ Lamp Type: F32T8
- ▶ Lamp Quantity: 2



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1327	1327	1327	
5°	1315	1316	1321	125.7
15°	1276	1297	1316	367.4
25°	1173	1221	1263	564.7
35°	1000	1087	1147	678.7
45°	829	967	1060	741.2
55°	596	770	862	675.3
65°	360	542	531	489.7
75°	171	195	217	222.7
85°	0	0	0	28.6
90°	0	0	0	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1058	17.9	27.2
0 - 40	1737	29.4	44.6
0 - 60	3153	53.4	81.0
0 - 90	3894	66.0	100.0
<b>Total Luminaire:</b>			
0 - 180	3894	66.0	100.0

Total Luminaire Optical Efficiency: **66.0%**  
 IES Spacing Criteria: End = 1.2  
 Across = 1.3

#### ZONAL CAVITY COEFFICIENTS

	Ceiling			.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10		
0	.79	.79	.79	.77	.77	.77	.73	.73	.73			
1	.73	.70	.67	.71	.68	.66	.66	.64	.62			
2	.67	.62	.57	.65	.60	.57	.58	.55	.52			
3	.61	.55	.50	.60	.54	.49	.52	.48	.44			
4	.56	.48	.43	.55	.48	.42	.46	.42	.38			
5	.51	.43	.37	.50	.42	.37	.41	.36	.32			
6	.47	.38	.32	.46	.38	.32	.36	.31	.28			
7	.43	.34	.28	.42	.34	.28	.33	.28	.24			
8	.40	.31	.25	.39	.30	.25	.29	.24	.21			
9	.36	.27	.22	.35	.27	.22	.26	.21	.18			
10	.34	.25	.19	.33	.24	.19	.24	.19	.16			

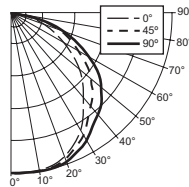
Effective Floor Cavity Reflectance = .20

### PHOTOMETRY – 2x4 AD

Catalog #: DIS-24-232-AD

#### TEST REPORT INFORMATION

- ▶ Test Report #: 14273.0
- ▶ Date: 08/29/08
- ▶ Lamp Type: F32T8
- ▶ Lamp Quantity: 2



#### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1772	1772	1772	
5°	1763	1769	1771	168.8
15°	1739	1756	1773	497.8
25°	1589	1633	1683	756.9
35°	1350	1443	1535	906.7
45°	1082	1242	1377	955.7
55°	805	1004	1151	890.4
65°	518	707	798	679.0
75°	256	356	392	366.6
85°	58	74	74	78.1
90°	0	0	0	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1423	24.1	26.9
0 - 40	2330	39.5	44.0
0 - 60	4176	70.8	78.8
0 - 90	5300	89.8	100.0
<b>Total Luminaire:</b>			
0 - 180	5300	89.8	100.0

Total Luminaire Optical Efficiency: **89.8%**  
 IES Spacing Criteria: End = 1.2  
 Diagonal = 1.3  
 Across = 1.4

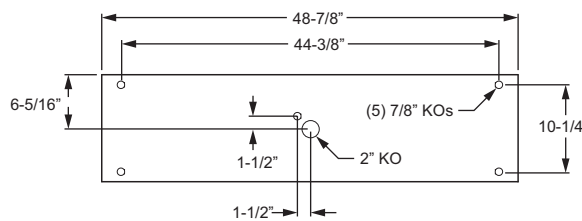
#### ZONAL CAVITY COEFFICIENTS

	Ceiling			.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10		
0	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00			
1	.98	.94	.91	.96	.92	.89	.89	.86	.83			
2	.90	.83	.77	.88	.81	.76	.78	.74	.70			
3	.83	.73	.66	.80	.72	.66	.69	.64	.59			
4	.76	.65	.58	.74	.64	.57	.62	.56	.51			
5	.69	.57	.49	.67	.56	.49	.55	.48	.43			
6	.63	.51	.43	.62	.50	.43	.49	.42	.37			
7	.58	.46	.38	.57	.45	.38	.44	.37	.32			
8	.54	.41	.33	.52	.41	.33	.39	.33	.28			
9	.49	.37	.29	.48	.36	.29	.35	.29	.24			
10	.46	.34	.26	.44	.33	.26	.32	.26	.21			

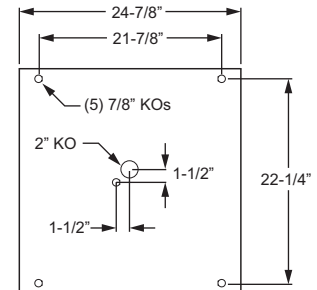
Effective Floor Cavity Reflectance = .20

#### FIXTURE DETAILS

##### 1x4 BACK VIEW



##### 2x2 BACK VIEW



##### 2x4 BACK VIEW

