DIRECT/INDIRECT RECESSED ASYMMETRIC

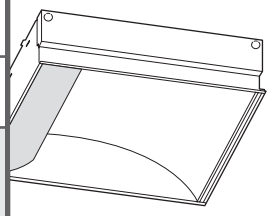
DIA

SUBMITTAL:

JOB:

TYPE: **VOLTAGE:**

2x2

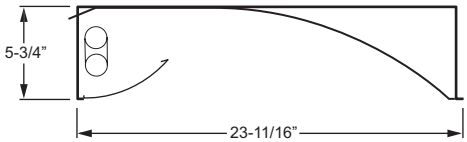


EXAMPLE **DIA G - S 2 2 - 1 40TT - WP - OPTIONS - EB1 - UNV**

SERIES	CEILING TYPE	FIX. STYLE	NOM. W.	NOM. L.	TOTAL LAMPS	WATTAGE/ TYPE	SHIELDING	OPTIONS	BALLAST TYPE	VOLTAGE
DIA	G	S	2	2	1	40TT	WP	OPTIONS	EB1	UNV

FEATURES

- Single side-mounted lamp provides soft, diffused asymmetric distribution, ideal for wall washing.
- Lamps are shielded from direct view by a decorative perforated diffuser.
- Matte white overlay and highly reflective non-glare white powder coated reflectors and end plates provide soft, uniform illumination and increased efficiency.
- Swing-down diffuser allows easy re-lamping.
- Ballast accessible from room side of fixture.
- This fixture is proudly made in the USA.



ORDERING INFORMATION

SERIES

DIA Direct/Indirect Recessed Asymmetric

CEILING TYPE

G NEMA Type "G"
For flange installations use the Drywall Kit (DFK), ordered separately, see Information section.

FIXTURE STYLE

S Static, no air capability

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

2 2'

TOTAL LAMPS

1 or 2

LAMP WATTAGE/TYPE

14T5S 2', 14-watt T5
17 2', 17-watt T8
24T5H 2', 24-watt T5HO
40TT 2', 40-watt long twin tube
50TT 2', 50-watt long twin tube
55TT 2', 55-watt long twin tube

SHIELDING

WP White perforated diffuser

OPTIONS

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

BALLAST TYPE

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast

VOLTAGE

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

SPECIFICATIONS

Housing – 22-gauge die-formed C.R.S.
Reflector – Precision die-formed C.R.S. with highly reflective, non-glare matte white polyester powder coat.
Shielding – Die-formed C.R.S., 50% open perforation, white powder coated diffuser with matte white acrylic overlay.
Finish – 92% minimum average reflective 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". For flange installations use the Drywall Kit (DFK), ordered separately, see Information section.
Labels – UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations.

2x2

TEST REPORT INFORMATION

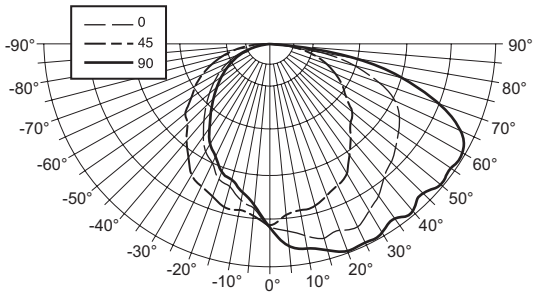
- Test Report #: W00025
- Date: 06/16/06
- Lamp Type: FT40W/2G11
- Lamp Quantity: 1

PHOTOMETRY INFORMATION

Catalog #: **DIAG-S22-140TT-WP**

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle 0°	45°	90°	135°	180°
0°	550.	550.	550.	550.	550.
5°	607.	563.	521.	499.	490.
15°	642.	607.	510.	445.	427.
25°	665.	614.	474.	398.	377.
35°	649.	568.	421.	340.	310.
45°	645.	516.	346.	270.	239.
55°	665.	474.	286.	202.	177.
65°	642.	426.	225.	141.	119.
75°	427.	285.	150.	81.	72.
85°	75.	71.	58.	24.	19.
90°	16.	15.	11.	6.	6.



LUMEN SUMMARY

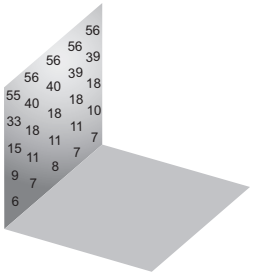
Zone	Lumens	% Lamp	% Fixture
0 - 30	431.	13.7	22.8
0 - 40	714.	22.7	37.7
0 - 60	1333.	42.3	70.5
0 - 90	1889.	60.0	99.8
90 - 180	3.	0.1	0.2
Total Luminaire:			
0 - 180	1892.	60.1	100.0
Total Luminaire Optical Efficiency: **60.1%**			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.71	.71	.71	.69	.69	.69	.66	.66	.66
	1	.64	.60	.57	.62	.59	.56	.56	.54	.52
	2	.57	.52	.47	.56	.50	.46	.48	.45	.42
	3	.52	.45	.39	.50	.44	.39	.42	.38	.34
	4	.47	.39	.33	.45	.38	.33	.37	.32	.28
	5	.43	.35	.29	.42	.34	.29	.33	.28	.24
	6	.39	.31	.25	.38	.30	.25	.29	.25	.21
	7	.37	.28	.22	.35	.27	.22	.27	.22	.18
	8	.34	.25	.20	.33	.25	.20	.24	.20	.16
	9	.32	.23	.18	.31	.23	.18	.22	.18	.14
	10	.30	.21	.16	.29	.21	.16	.20	.16	.13

Effective Floor Cavity Reflectance = .20

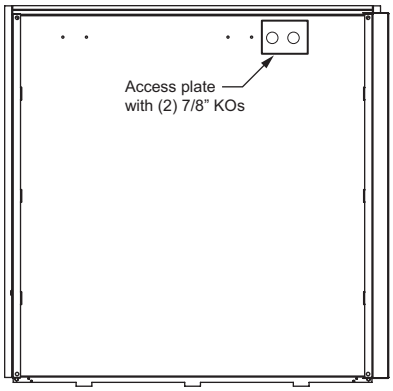
FOOTCANDLE ESTIMATOR

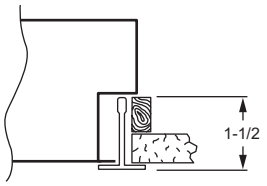


Footcandle calculations based on standard reflectance of 80/50/20 and a light loss factor of .85.

Fixtures installed at 10' mounting height in 20' x 20' room with 10'-0" ceiling. Values shown are at 36" work surface height.

BACKVIEW





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

Williams FLUORESCENT LIGHTING
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