

SUBMITTAL:

JOB:

TYPE:

VOLTAGE:

EXAMPLE

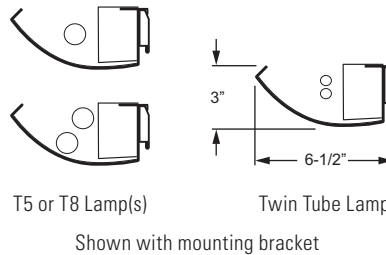
AIW P33 - 4 - 2 32 - F - OPTIONS - EB2 - UNV

SERIES PERF. OPTIONS NOMINAL LENGTH TOTAL WATTAGE/ LAMPS FIXTURE TYPE OPTIONS BALLAST TYPE VOLTAGE



FEATURES

- ▶ Decorative and versatile for continuous row or single fixture; complements any Series AI suspended fixtures.
- ▶ Non-perforated housing or 33% open perforation beneath lamps offers choice of appearance.
- ▶ Translucent matte white acrylic over perforations provides uniform, luminous effect.
- ▶ Two-lamp fixtures contain offset lamps providing greater upward light.
- ▶ Fixture attaches to wall bracket for simple installation.
- ▶ Ballast and wireway assembly remove for easy maintenance.
- ▶ Self-aligning joining method ensures straight rows.
- ▶ Quick-connect polarized wiring allows easy wiring and service when used in continuous row applications.
- ▶ This fixture is proudly made in the USA.



AIW SERIES

Complementary to Williams' AI Series, the decorative and versatile AIW provides functional indirect illumination.

Housing – 20-gauge die-formed, welded C.R.S.

Reflective Surfaces – 92% minimum average reflective white polyester powder coat on interior steel components.

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 – Fixture attaches to wall mounted, powder coated, die-formed C.R.S. bracket.

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

ORDERING INFORMATION

SERIES

AIW Architectural Indirect Wall

PERFORATION OPTIONS

P33 33% open perforation
SLD Solid bottom
SLT2 1/10" x 3" slots on 1" centers

NOMINAL LENGTH

1	1'	4	4'
2	2'	6	6'
3	3'	8	8'

TOTAL LAMPS

1, 2, or 4 (1- or 2-lamp cross-section)

LAMP WATTAGE/TYPE

1' LAMP OPTIONS (1-lamp only)

13T4Q 13-watt compact fluorescent, quad
26T4Q 1', 26-watt compact fluorescent, quad

2' LAMP OPTIONS (1-lamp only for twin tube)

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

3' or 6' LAMP OPTIONS (1- or 2-lamp cross-section)

21T5S 3', 21-watt T5
25 3', 25-watt T8
39T5H 3', 39-watt T5HO

LAMP WATTAGE/TYPE (Continued)

4' or 8' LAMP OPTIONS (1- or 2-lamp cross-section)

28T5S 4', 28-watt T5
32 4', 32-watt T8
54T5H 4', 54-watt T5HO

FIXTURE TYPE

F Electrical feeder unit, single-circuit quick-connect wiring harness, two end caps included
J Joiner unit, single-circuit quick-connect wiring harness

OPTIONS

For generic EM ballast options (must specify voltage), see Information section.
C2 Two-circuit quick-connect wiring harness. For complete quick-connect offering, see Information section.

BALLAST TYPE

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

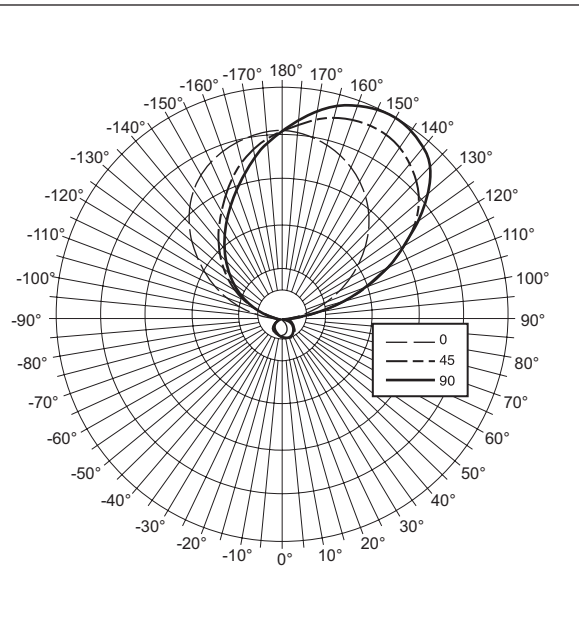
TEST REPORT INFORMATION

- ▶ Test Report #: 14425.0
- ▶ Date: 1/14/00
- ▶ Lamp Type: F032/35K
- ▶ Lamp Quantity: 2

PHOTOMETRY INFORMATION

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	110.	110.	110.	
5°	109.	114.	118.	6.0
15°	105.	121.	126.	17.0
25°	93.	121.	130.	27.0
35°	81.	116.	131.	35.0
45°	63.	107.	124.	39.0
55°	44.	90.	110.	38.0
65°	22.	70.	93.	33.0
75°	8.	46.	68.	23.0
85°	0.	21.	40.	13.0
90°	0.	25.	42.	
95°	41.	114.	124.	58.0
105°	230.	433.	429.	198.0
115°	430.	744.	749.	330.0
125°	617.	1024.	1044.	415.0
135°	785.	1184.	1307.	433.0
145°	925.	1278.	1400.	384.0
155°	1033.	1299.	1412.	293.0
165°	1106.	1269.	1340.	178.0
175°	1145.	1188.	1205.	58.0
180°	1150.	1150.	1150.	



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	84.	1.4	2.2
0 - 40	137.	2.3	3.5
0 - 60	239.	4.1	6.1
0 - 90	314.	5.3	8.1
40 - 90	176.	3.0	4.5
60 - 90	75.	1.3	1.9
90 - 180	3587.	60.8	92.0
Total Luminaire:			
0 - 180	3901.	66.1	100.0

Total Luminaire Optical Efficiency: **66.1%**

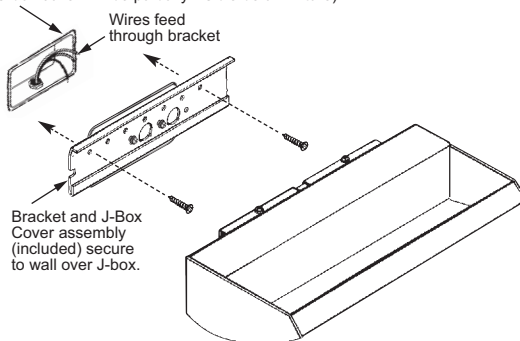
ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.64	.64	.64	.56	.56	.56	.40	.40	.40
	1	.58	.56	.53	.51	.48	.46	.35	.33	.32
	2	.53	.49	.45	.46	.42	.39	.30	.28	.27
	3	.48	.43	.38	.42	.37	.33	.27	.24	.22
	4	.44	.38	.33	.38	.33	.29	.24	.21	.19
	5	.40	.33	.28	.35	.29	.25	.21	.18	.16
	6	.37	.30	.25	.32	.26	.22	.19	.16	.14
	7	.34	.26	.22	.29	.23	.19	.17	.14	.12
	8	.31	.24	.19	.27	.21	.17	.15	.12	.10
	9	.29	.21	.17	.25	.19	.15	.14	.11	.09
	10	.27	.20	.15	.23	.17	.13	.12	.10	.08

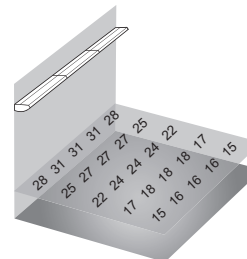
Effective Floor Cavity Reflectance = .20

MOUNTING DETAILS

J-Box (not provided) mounted **horizontally** (if attaching to existing vertical J-box, J-box cover will be partially visible below fixture).



FOOTCANDLE ESTIMATOR



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

Fixtures installed at 8' mounting height in 12' x 12' room with 10'-0" ceiling. Values shown are at 30" work surface height.

