

ARCHITECTURAL INDIRECT

AI3

SUBMITTAL:

T5 | T8

JOB:

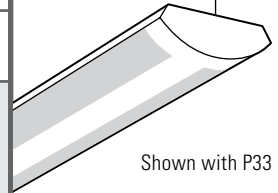
TYPE:

VOLTAGE:

EXAMPLE

AI3 P33 - 4 - 3 32 - F - OPTIONS - EB3 - UNV

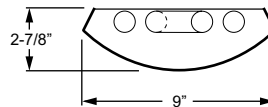
SERIES PERFORATION OPTIONS NOMINAL LENGTH TOTAL WATTAGE/LAMPS TYPE FIXTURE TYPE OPTIONS BALLAST TYPE VOLTAGE



Shown with P33

FEATURES

- ▶ **Up to 85.4% optical efficiency.**
- ▶ A wide variety of shielding options include slots, louvers, or standard perforation with matte white acrylic overlay.
- ▶ Provided with adjustable aircraft cable mounting and straight feed cord.
- ▶ Ballast and wireway assembly remove for easy maintenance.
- ▶ Self-aligning joining method ensures smooth, straight rows.
- ▶ Inside and outside 90° corners for continuous runs in any space (see back for details).
- ▶ Die-formed, decorative end caps.
- ▶ This fixture is proudly made in the USA.



ORDERING INFORMATION

SERIES

AI3 Architectural Indirect Version 3

PERFORATION OPTIONS

P33 33% open perforation—2 strips
SLD Solid underside
P33F^{1,3} 33% open perforation—full perf^{1,3}
P33WIN^{1,3} 33% open perforation in two strips and center window with matte white acrylic overlay^{1,3}
SLT1 1/10" x 3" slots on 1" centers down the center of the housing
SLT2 1/10" x 3" slots on 1" centers on both sides of the housing
P33LVR^{2,3} 33% open perforation with louver^{2,3}
SLDLVR^{2,3} Solid underside with louver^{2,3}
SLT2LVR^{2,3} Slots down both sides with louver^{2,3}

NOMINAL LENGTH

4 4'
8 8'

TOTAL LAMPS

1, 2, 3, 4, or 6 T5 (1-, 2-, or 3-lamp cross-section)
2, 3, 4, 6, or 8 T8 (2-, 3-, or 4-lamp cross-section)

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5 (1-, 2-, or 3-lamp cross-section, 1- or 2-lamp ballast[s] only)
32 4', 32-watt T8 (2-, 3-, or 4-lamp cross-section)
54T5H 4', 54-watt T5HO (1-, 2-, or 3-lamp cross-section)

FIXTURE TYPE

F Electrical feeder unit, 3-conductor, straight white cord standard (wire gauge to be determined by row length), quick-connect wiring harness, two end caps included
J Joiner unit, quick-connect wiring harness

OPTIONS

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

See Fluorescent Information section for **alternate mounting accessories**.

90° AI3 corner assembly must be ordered separately. See back for details.

C2_ Two-circuit quick-connect wiring harness. See Fluorescent Information section for complete quick-connect offering.

KR Specular aluminum side reflector

BALLAST TYPE

EB2 2-lamp electronic ballast
EB3 3-lamp electronic ballast
EB4 4-lamp electronic ballast
EB2/1 (1) 2-lamp and (1) 1-lamp ballast
EB2/2 (2) 2-lamp electronic ballasts
EB3/3 (2) 3-lamp electronic ballasts
EB4/4 (2) 4-lamp electronic ballasts

VOLTAGE

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

SPECIFICATIONS

Housing – 19- or 20-gauge die-formed, welded C.R.S., dependant on perforation option.

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 – Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.

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

¹ P33F or P33WIN option not available in 3-lamp T5HO cross-section.

² Louver options not available with T5HO lamp combinations.

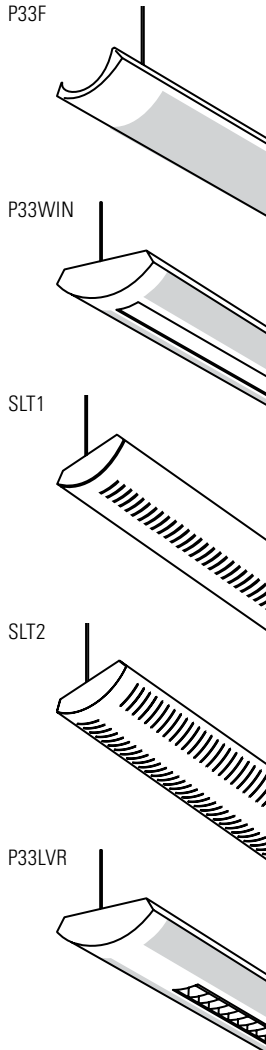
³ Not available in 1-lamp cross-section. Ballast size and quantity restrictions apply for 3-lamp cross-sections, consult factory.

T5 | T8

PHOTOMETRY

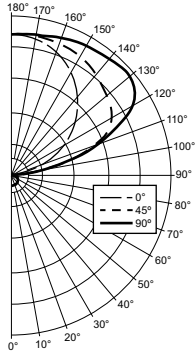
Catalog #: **AI3P33-4-332**

PERFORATION OPTIONS



TEST REPORT INFORMATION

- ▶ Test Report #: 14651.0
- ▶ Date: 04/12/00
- ▶ Lamp Type: F32T8/TL841
- ▶ Lamp Quantity: 3



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	139.	139.	139.	
5°	140.	140.	138.	13.0
15°	132.	134.	137.	38.0
25°	120.	125.	130.	57.0
35°	103.	110.	119.	69.0
45°	81.	94.	106.	72.0
55°	56.	76.	92.	67.0
65°	30.	62.	75.	57.0
75°	13.	45.	62.	44.0
85°	2.	26.	43.	36.0
90°	3.	66.	107.	
95°	77.	239.	269.	259.0
105°	342.	858.	865.	793.0
115°	632.	1351.	1522.	1189.0
125°	913.	1516.	1880.	1300.0
135°	1166.	1593.	1912.	1214.0
145°	1386.	1674.	1867.	1035.0
155°	1558.	1721.	1832.	789.0
165°	1676.	1743.	1777.	490.0
175°	1734.	1747.	1746.	169.0
180°	1743.	1743.	1743.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	108.	1.2	1.4
0 - 40	177.	2.0	2.3
0 - 60	315.	3.5	4.1
0 - 90	451.	5.0	5.9
40 - 90	274.	3.1	3.6
60 - 90	136.	1.5	1.8
90 - 180	7238.	80.4	94.1
Total Luminaire:			
0 - 180	7689.	85.4	100.0

Total Luminaire Optical Efficiency: **85.4%**
Spacing Criteria: Along = 1.2, Across = 1.3

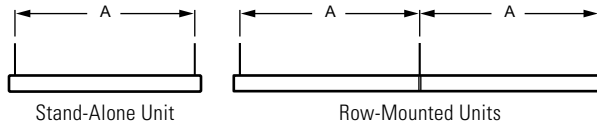
ZONAL CAVITY COEFFICIENTS

Ceiling	.80			.70			.50			
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
0	.83	.83	.83	.71	.71	.71	.50	.50	.50	
1	.75	.72	.68	.65	.62	.59	.44	.42	.41	
2	.68	.62	.57	.59	.54	.50	.38	.36	.33	
3	.62	.55	.49	.53	.47	.43	.34	.31	.28	
4	.57	.48	.42	.49	.42	.37	.30	.26	.24	
5	.52	.42	.36	.45	.37	.32	.26	.23	.20	
6	.47	.38	.32	.41	.33	.28	.23	.20	.17	
7	.44	.34	.28	.37	.29	.24	.21	.17	.15	
8	.40	.30	.24	.35	.26	.21	.19	.15	.13	
9	.37	.27	.21	.32	.24	.19	.17	.14	.11	
10	.35	.25	.19	.30	.22	.17	.16	.12	.10	

Effective Floor Cavity Reflectance = .20

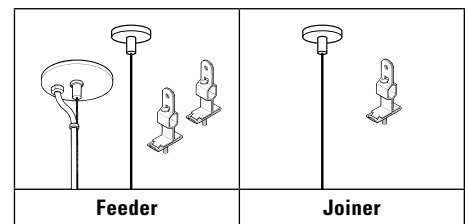
FIXTURE DETAILS

MOUNTING INFORMATION (center to center mounting cable)



Nominal Unit Length	Dimension A
4'	48"
8'	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 fixture, either as part of a row or as an individual mount unit. Joiner fixtures complete the row.

90° CORNER ASSEMBLY (for continuous row installations)

Housing – 22-gauge die-formed, welded C.R.S.
Finish – Textured matte white polyester TGIC powder coat bonded to phosphate-free, multi-stage pretreated metal.

Example: AI3 CORNER-FWT