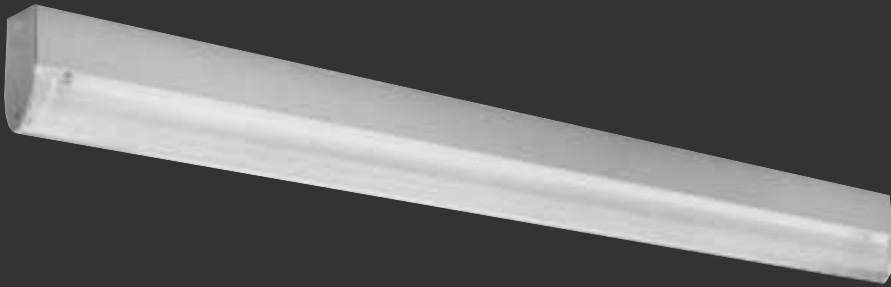


AIRELUME™ IV

High Performance Teardrop Luminaire



FEATURES

- 4 3/8" profile
- 2' to 16' lengths
- Aluminum, stainless steel or CRS housing
- Prismatic compression lens
- T8 or T5 lamps
- Centered mounting hole

BENEFITS

- Improves room performance
- Laminar flow 9" below ceiling
- Easier lamp access
- Adds useable space
- Adapts to room
- Mates with screw slot 2" grid

APPLICATIONS

- Class 10-100 rooms
- Aerospace
- Electronics
- Pharmaceutical
- Semiconductor
- Medical
- Food processing

Specifications/Features

GENERAL

- Low profile airfoil shape re-establishes flow at 9" below the ceiling instead of the 30+ inches of a standard sized teardrop luminaire. Improves room performance by reducing disturbance.
- Built to conform to FED STD 209E.
- Mates with screw slot 2" grid tee.
- May be mounted in continuous rows.
- Extruded aluminum version is available in 2', 3', 4', 8', 12' and 16' lengths.
- Painted and stainless steel versions are available in 2', 3' and 4' lengths.
- No exterior hardware.

CONSTRUCTION

- Extruded aluminum housing with aluminum end plates is standard.
- Optional painted steel or stainless steel units are available.
- Painted versions are finished in white baked powder coat.
- Ends are easily removed for row mounting or reconfiguration of the room.
- A 5/16" mounting hole is provided in the housing 4" from each end. Fixtures longer than 48" have additional mounting holes.
- 7/8" KOs are provided on the top of housing and at each end.

LENS

- Acrylic with internal prisms for undisturbed laminar air-flow, glare control in normal viewing angles and a direct/indirect light distribution for uniform ceiling luminance.
- Clear lens standard.



Ends are completely sealed by high temperature die-cut silicone gasket to protect the space from light leak.



Acrylic lens with internal prisms is available in clear, white translucent, or ultraviolet and blue wavelength filtering.

- Lens abuts gasket of high temperature die-cut silicone to eliminate air gaps and light leaks.
- Lens provided in 4' sections with clear acrylic joiners for fixtures longer than 48" or row mounting situations.

ELECTRICAL

- T8: Electronic, IS, 0°F, 10% THD.
- T5: Electronic, PS, 0°F, 10% THD.
- All fixtures carry the IBEW Union label to ensure quality.

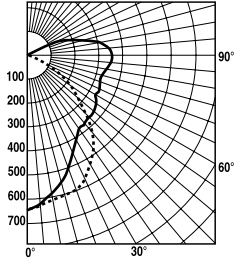
LISTING

- Listed damp location in the U.S.A. and Canada.

Photometrics

Coefficients of Utilization 1 Lamp, 28W T-5, PA-8104/Prismatic Lens

Ceiling Refl.	80%			50%			10%		
	50	30	10	50	30	10	50	30	10
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.76	.72	.68	.66	.63	.60	.55	.53	.52
2	.65	.59	.54	.57	.53	.49	.48	.45	.42
3	.57	.51	.45	.50	.45	.41	.42	.39	.36
4	.51	.44	.38	.45	.39	.35	.38	.34	.31
5	.45	.38	.33	.40	.34	.30	.34	.30	.27
6	.40	.33	.28	.36	.30	.26	.31	.27	.23
7	.37	.30	.25	.33	.27	.23	.28	.24	.21
8	.33	.26	.22	.29	.24	.20	.25	.21	.18
9	.30	.23	.19	.27	.21	.18	.23	.19	.16
10	.27	.21	.17	.24	.19	.16	.21	.17	.14

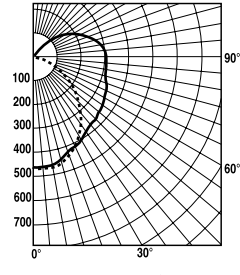


S/MH Ratio 1.0:1.0
Total Lamp Lumens 2900
Fixture Efficiency 80.9%

Report No. P11455-2

Coefficients of Utilization 1 Lamp, 32W T8, PA-8204/Prismatic Lens

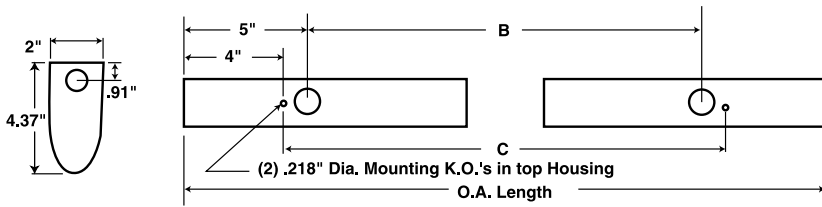
Ceiling Refl.	80%			50%			10%		
	50	30	10	50	30	10	50	30	10
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.74	.70	.66	.63	.61	.58	.51	.49	.48
2	.64	.58	.53	.55	.50	.47	.44	.41	.39
3	.56	.49	.44	.48	.43	.39	.39	.36	.33
4	.49	.42	.37	.42	.37	.33	.34	.31	.28
5	.43	.36	.31	.37	.32	.28	.30	.27	.24
6	.39	.32	.27	.34	.28	.24	.27	.24	.21
7	.35	.28	.23	.30	.25	.21	.25	.21	.18
8	.31	.25	.20	.27	.22	.18	.22	.18	.16
9	.28	.22	.18	.25	.19	.16	.20	.16	.13
10	.26	.20	.16	.22	.17	.14	.18	.15	.12



S/MH Ratio 1.2:1
Total Lamp Lumens 2850
Fixture Efficiency 74.6%

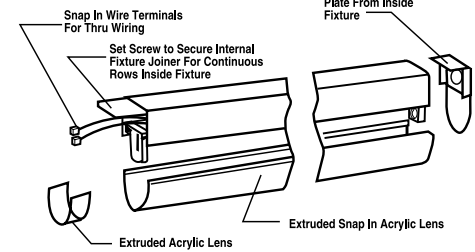
Report No. P11455-1

Dimensions



O.A.	B	C
24"	14"	16"
36"	26"	28"
48"	38"	40"
96"	86"	88"
144"	134"	136"
192"	182"	184"

Row Mount / Feed Through



Airlume™ IV Catalog Numbers

PA - 81 - 02 - 120

HOUSING MATERIAL
PA - Painted Aluminum
WS - White Cold Roll Steel
SS - Stainless Steel

VOLTAGE
120 - 120
277 - 277
347 - 347

LAMP TYPE
81 - T5
82 - T8

FIXTURE LENGTH
02 - 24"
03 - 36"
04 - 48"
08 - 96" - Aluminum only
12 - 144" - Aluminum only
16 - 192" - Aluminum only

Fixture Length	No. of Lamps
24"	1 Lamp
36"	1 Lamp
48"	1 Lamp
96"	2 Lamp
144"	3 Lamp
192"	4 Lamp

Options

- "/FF" - Fast Acting Fixture Fuse, GLR
- "/SFF" - Slow Blow (Fusefron) Fuse, Buss GMF
- "/FW" - For Feed-thru Wiring
- "/RME" - Row Mount End Fixture
- "/RMC" - Row Mount Center Fixture

Project Name:

Type	Catalogue Number	Lamp	Comments