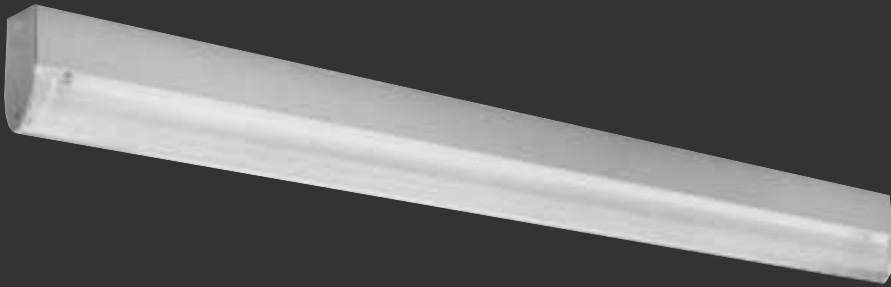


AIRELUME™ IV

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.

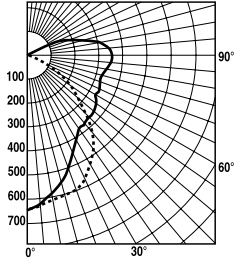
LISTING

- 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 |

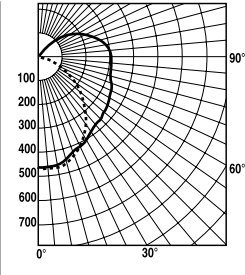


S/MH Ratio 1.0:1.0
Total Lamp Lumens 2900
Fixture Efficiency 80.9%

Report No. P11455-2

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

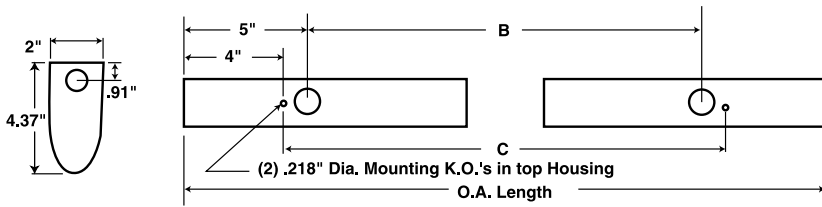
| Ceiling Refl. | 80% | | | 50% | | | 10% | | |
|---------------|--|-----|-----|-----|-----|-----|-----|-----|-----|
| | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| WALL Refl. | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | 20% Effective Floor Cavity Reflectance | | | | | | | | |
| 1 | .74 | .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%

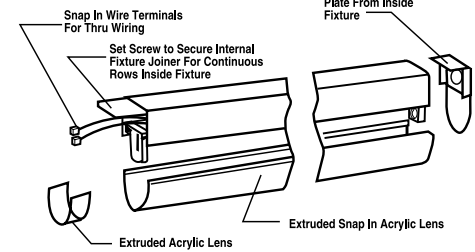
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Dimensions



| 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 |
|------|------------------|------|----------|
| | | | |