

A-51® Incandescent Factory Sealed Luminaires

Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

For Group A and B

Class I, Division 1 and 2, Groups A, B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

For Group C and D

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G*
Class III

Applications

- A-51 Series Incandescent Class I, Groups A, B, C and D; and Class II, Groups E, F and G applications (see listings and area suitability chart).
- Ideal for use in chemical and petrochemical plants, and in other heavy process areas where ignitable vapors, dust, moisture and corrosive atmospheres may be present.
- Suitable for use in wet locations.
- Wide range of wattages – 60 W through 300 W incandescent lamps medium base.
- Choice of units with or without guard, as well as choice of porcelain, polyester or aluminum reflectors.
- Choice of mountings: pendant, ceiling, 25° stanchion, long bracket and 15° short bracket.
- Porcelain reflectors for standard applications and fiberglass reinforced polyester reflectors for installations where fixture is subject to exceptionally severe corrosive atmospheres. High bay reflector for installations where mounting height from work plane ranges from 20 to 30 feet/508" to 762 mm.
- Class I, Groups A and B fixtures have special UL-approved sintered metal flame arrester.

Features

- All A-51 fixtures are factory-sealed; no external sealing fittings required.
- New high temperature phenolic connection block in mounting hood has rugged leaf spring contacts – loosen two screws, rotate and remove for quick wiring.
- Safe, easy servicing or relamping without disconnecting any wiring. "Wireless" fixture unit easily threads off mounting hood for convenient servicing or for immediate exchange with "stand-by" unit.
- All joints are flame-tight.
- Specially formulated two-coat baked epoxy enamel provides superior protective finish to resist corrosion. Applied to all mounting hoods, fixture units and guards.
- New high temperature glass-reinforced phenolic socket block in fixture unit has collector ring and pin that automatically make electrical contact as fixture unit is threaded onto mounting hood.
- Globes in A-51 fixtures are explosionproof and heat- and impact-resistant glass. Prismatic configuration on globe interior provides light control while allowing smooth exterior surface for cleaning.
- A-51 fixture units have standardized threads to fit all A-51 and mounting hoods.
- All fixtures have aluminum inner reflector for increased lumen efficiency.
- A-51 fixture guards to protect globe are of rugged copperfree aluminum construction and double epoxy coated. Easily mount to globe ring with 3 screws.

Standard Materials

- Fixtures and guards: copperfree (4/10 of 1% max.) aluminum.
- Pendant mounting hoods: copperfree (4/10 of 1% max.) aluminum.
- Ceiling and bracket mounting hoods: malleable iron with aluminum adapters.
- Reflectors: porcelain-enameled steel, aluminum or fiberglass reinforced polyester.

Group A and B



Polyester Reflector

Porcelain Reflector



Group C and D



Polyester Reflector

Porcelain Reflector



Standard Finishes

- Fixtures, guards and mounting hoods: two-coat epoxy-clad finish. Epoxy powder coat finish, electrostatically applied for complete, uniform surface protection.
- Steel reflectors: white porcelain enamel.
- Polyester and aluminum reflectors: natural finish.

Certifications and Compliances

- UL Standard: UL 1598, UL 844
- UL Listed: E10444
- CSA Standard: C22.2 No. 250, C22.2 No. 137
- CSA Certified: 025428

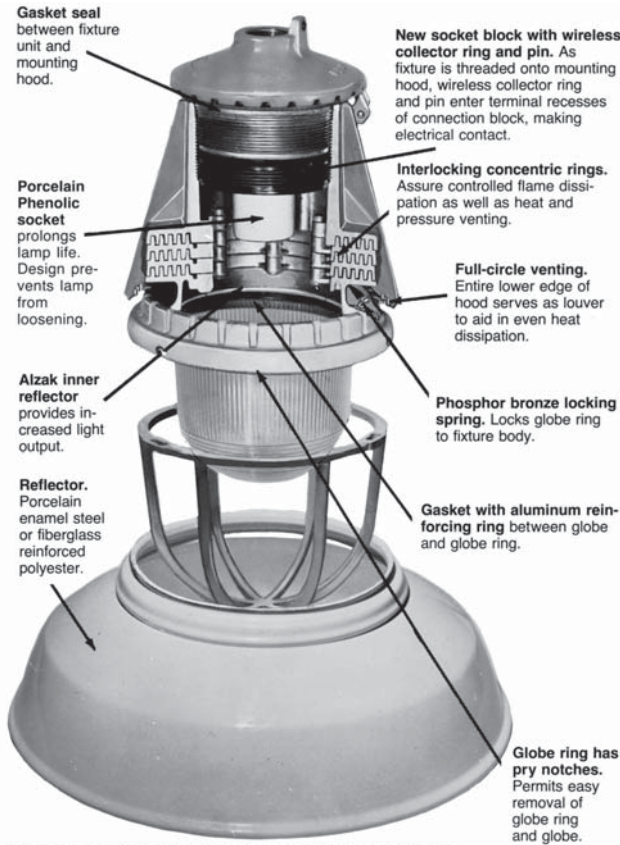
A-51® Incandescent Factory Sealed Luminaires

Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups A, B, C, D.
 Class II, Division 1 and 2, Groups E, F, G
 Class III

Illustrated Features



Alzak® is a proprietary term of the Aluminum Company of America.

Weights

| Fixture Units | | |
|----------------|--|-------------|
| Catalog Number | | Wt. lbs/kgs |
| AAU-1N | | 7.6/3.4 |
| AAU-15N | | 7.6/3.4 |
| AAU-2NS | | 10.7/4.9 |
| AAUA-15 | | 15.0/6.8 |
| AAUA-2 | | 18.0/8.2 |

| Mounting Hoods | | |
|----------------|--|------------|
| Type | | Wt. lbs/kg |
| Pendant | | 1.3/.6 |
| Ceiling | | 4.8/2.2 |
| Stanchion | | 1.6/.7 |
| Long Bracket | | 8.9/4.0 |
| Short Bracket | | 4.8/2.2 |

| Guards | | |
|----------------|--|-------------|
| Catalog Number | | Wt. lbs/kgs |
| AAGU-1 | | 0.4/.2 |
| AAGU-2 | | 0.8/.4 |
| AAGUA-15 | | 0.5/.2 |

| Standard Reflectors | | |
|---------------------|--|-------------|
| Catalog Number | | Wt. lbs/kgs |
| AARP-2ST | | 2.8/1.3 |
| AARW-15ST | | 2.1/1.0 |
| AARW-2ST | | 2.9/1.3 |
| AARW-15ST | | 2.1/1.0 |

| 30° Angle Reflectors | | |
|----------------------|--|-------------|
| Catalog Number | | Wt. lbs/kgs |
| AARP-2AN | | 3.3/1.5 |
| AARW-15AN | | 2.1/1.0 |
| AARW-2AN | | 2.4/1.1 |
| AARW-15AN | | 2.1/1.0 |

LIGHTING: EXPLOSIONPROOF - AREA - INCANDESCENT

Lighting

A-51® Incandescent Factory Sealed Luminaire Classified Area Suitability

Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups A, B, C, D.
 Class II, Division 1 and 2, Groups E, F, G
 Class III

| Fixture Unit | Lamp Watts | Without Reflectors | Standard Dome | 30° Angle | High Bay | Supply Wire °F/°C |
|---|------------|--------------------|---------------|-----------------|----------|-------------------|
| Class I Division 1 and Division 2 Groups C and D | | | | | | |
| AAU1N | 100 W A19 | T5 | T5 | T5 | — | 257/125 |
| | 100 W A21 | T5 | T5 | T5 | — | 257/125 |
| AAU15N | 150 W A23 | T3C | T3C | T3C | — | 257/125 |
| | 200 W A25 | T3C | T3C | T3C | — | 257/125 |
| | 200 W PS25 | T3C | T3C | T3C | — | 257/125 |
| | 300 W PS25 | T3C | T3A | T3A (D) | — | 257/125 |
| AAU2NS | 200 W PS25 | T3C | T3C | T3C | — | 230/110 |
| | 200 W PS30 | T3C | T3C | T3C | — | 230/110 |
| | 300 W PS25 | T3C | T3C | T3C | — | 230/110 |
| | 300 W PS30 | T3C | T3C | T3C | — | 230/110 |
| Class I Division 1 and Division 2 Groups A †, B, C and D | | | | | | |
| AAUA15 | 150 W A23 | T3C | T3C | T3C | — | 230/110 |
| | 150 W A25 | T3C | T3C | T3C | — | 230/110 |
| | 200 W A25 | T3C | T3C | T3C | — | 230/110 |
| | 200 W PS25 | T3C | T3C | T3C | — | 230/110 |
| AAUA2 | 200 W PS25 | T3C | T3C | T3C | — | 230/110 |
| | 200 W PS30 | T3C | T3C | T3C | — | 230/110 |
| | 300 W PS25 | T3C | T3C | T3C | — | 230/110 |
| | 300 W PS30 | T3C | T3C | T3C | — | 230/110 |
| Class II Division 1 and Division 2 Groups E, F and G | | | | | | |
| AAU1N | 100 W A19 | T3C | T3C | T3C | — | 257/125 |
| | 100 W A21 | T3C | T3C | T3C | — | 257/125 |
| AAU15N | 150 W A23 | T3C | T3C | T3C | — | 257/125 |
| | 200 W A25 | T3C | T3C | T3C | — | 257/125 |
| | 200 W PS25 | T3 | T3 | T3 | — | 257/125 |
| | 300 W PS25 | T3 | — | — | — | 257/125 |
| AAU2NS | 200 W PS25 | T3C | T3C | T3C | — | 230/110 |
| | 200 W PS30 | T3C | T3C | T3C | — | 230/110 |
| | 300 W PS25 | T3C | T3C | T3A (EF) | — | 230/110 |
| | 300 W PS30 | T3C | T3C | T3A (EF) | — | 230/110 |

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

Lighting

NOTE: Ambient suitability of these incandescent fixtures: 104°F/40 °C




† For Group A, use Pendant Mount only.

A-51® Incandescent Factory Sealed Luminaires

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit. Medium Base.

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

| Type | Hub Size (Inches) | Catalog Number Ⓣ | |
|---|---------------------|------------------|---------|
| Pendant — One Hub, Rigid or Flexible Mounting | | | |
|  | 60-100 W (AAU-1N) | 1/2 | AP1050 |
| | A-21 | 3/4 | AP1075 |
| | | 1 | AP10100 |
| | 150-300 W (AAU-15N) | 1/2 | AP1550 |
| | A-23 PS-25 | 3/4 | AP1575 |
| | | 1 | AP15100 |
| | 200-300 W (AAU-2NS) | 1/2 | AP2050 |
| | PS-30 | 3/4 | AP2075 |
| | | 1 | AP20100 |
| Ceiling — Four Hubs, Three Close-up Plugs | | | |
|  | 60-100 W (AAU-1N) | 1/2 | AC1050 |
| | A-21 | 3/4 | AC1075 |
| | | 1 | AC10100 |
| | 150-300 W (AAU-15N) | 1/2 | AC1550 |
| | A-23 PS-25 | 3/4 | AC1575 |
| | | 1 | AC15100 |
| | 200-300 W (AAU-2NS) | 1/2 | AC2050 |
| | PS-30 | 3/4 | AC2075 |
| | | 1 | AC20100 |
| 25° Stanchion — One Hub — Not UL Listed | | | |
|  | 60-100 W (AAU-1N) | 1-1/2 Ⓣ | AN10150 |
| | A-21 | | |
| | 150-300 W (AAU-15N) | 1-1/2 Ⓣ | AN15150 |
| | A-23 PS-25 | | |
| | 200-300 W (AAU-2NS) | 1-1/2 Ⓣ | AN20150 |
| | PS-30 | | |

① See A-51® Incandescent Factory Sealed Luminaire Classified Area Suitability page for suitability of specific fixtures.






② 1-1/2" tapped hub furnished with a 1-1/2" to 1-1/4" reducer.

A-51® Incandescent Factory Sealed Luminaires

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III

| Type | | Hub Size (Inches) | Catalog Number ② |
|---|--|-------------------|------------------|
|  | 60-100 W (AAU-1N) | 1/2 | ALB1050 |
| | A-21 | 3/4 | ALB1075 |
| | | 1 | ALB10100 |
| | 150-300 W (AAU-15N) | 1/2 | ALB1550 |
| | A-23 PS-25 | 3/4 | ALB1575 |
| | | 1 | ALB15100 |
| | 200-300 W (AAU-2NS) | 1/2 | ALB2050 |
| | PS-30 | 3/4 | ALB2075 |
| | | 1 | ALB20100 |
| 15° Short Bracket — Two Hubs, One Close-up Plug | | | |
|  | 60-100 W (AAU-1N) | 1/2 | ASB1050 |
| | A-21 | 3/4 | ASB1075 |
| | 150-300 W (AAU-15N) | 1/2 | ASB1550 |
| | A-23 PS-25 | 3/4 | ASB1575 |
| | 200-300 W (AAU-2NS) | 1/2 | ASB2050 |
| | PS-30 | 3/4 | ASB2075 |
| Three-Way Exit Sign | | | |
|  | Epoxy enameled steel – 6”/152.4 mm-high red lettering 60-200 W (Mounts to AAU-1N or AAU-15N fixture units in place of guard) | | CJEXRN |
| Single-Sided Exit Sign | | | |
|  | Epoxy enameled steel – 6”/152.4 mm-high red lettering 60-200 W (Mounts to AAU-1N or AAU-15N fixture units in place of guard) | | AEXR-15R |
| Guard — Add suffix to fixture catalog number | | | |
|  | Guard | | -G |

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

Lighting









① See A-51® Incandescent Factory Sealed Luminaire Classified Area Suitability page for suitability of specific fixtures.

A-51® Incandescent Factory Sealed Luminaire Accessories

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups C, D
Class II, Division 1 and 2, Groups E, F, G
Class III










| Mounting Hoods | | |
|---|------------------------|----------------|
| Type | Hub Size (Inches) | Catalog Number |
| Pendant — One Hub, Rigid or Flexible Mounting | | |
|  | 1/2 | AAP-50 |
| | 3/4 | AAP-75 |
| | 1 | AAP-100 |
| Ceiling — Four Hubs, Three Close-up Plugs | | |
|  | 1/2 | AAC-50 |
| | 3/4 | AAC-75 |
| | 1 | AAC-100 |
| 25° Stanchion — Not UL Listed — One Hub | | |
|  | 1-1/2 | AAN-150 ① |
| Long Bracket — Four Hubs, Three Close-up Plugs | | |
|  | 1/2 | AALB-50 |
| | 3/4 | AALB-75 |
| | 1 | AALB-100 |
| 15° Short Bracket — Two Hubs, One Close-up Plug | | |
|  | 1/2 | AASB-50 |
| | 3/4 | AASB-75 |
| Type | Catalog Number | |
| Fixture Units | | |
|  | 60-100 W A-21 | AAU-1N |
| | 150-300 W A-23 & PS-25 | AAU-15N |
| | 200-300 W PS-30 | AAU-2NS |
| Prismatic Glass Globes | | |
|  | 60-100 W (AAU-1N) | AAGL-1PR |
| | 150-300 W (AAU-15N) | AAGL-1PR |
| | 200-300 W (AAU-2NS) | AAGL-2PR |
| Aluminum Guards | | |
|  | 60-100 W (AAU-1N) | AAGU-1 |
| | 150-300 W (AAU-15N) | AAGU-1 |
| | 200-300 W (AAU-2NS) | AAGU-2 |

① 1-1/2" tapped hub furnished with a 1-1/2" to 1-1/4" reducer.

A-51® Incandescent Factory Sealed Luminaire Accessories

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

| Type | Fixture Size | Catalog Number | |
|---|--|---|------------------|
| Standard Dome | | | |
|  <p>16.00"/406.4 mm Porcelain</p> |  <p>16.00"/406.4 mm Polyester</p> | (Not for use with short brackets) | |
| | | 60-100 W (AAU-1N) 150-300 W (AAU-15N) 200-300 W (AAU-2NS) | |
| | | Porcelain | Polyester |
| | | AARW-15ST | — |
| | | AARW-15ST | — |
| | | AARW-2ST | AARP-2ST |
| 30° Angle | | | |
|  <p>12.00"/304.8 mm Porcelain</p> |  <p>12.00"/304.8 mm Polyester</p> | 60-100 W (AAU-1N) | |
| | | 60-100 W (AAU-1N) | |
| | | AARW-15AN | — |
| | | AARW-15AN | — |
| | | AARW-2AN | AARP-2AN |
| Colored Glass Globes | | | |
|  | Amber | | |
| | 60-100 W (AAU-1N) | | AAGL-1A |
| | 150-300 W (AAU-15N) | | AAGL-1A |
| | 200-300 W (AAU-2NS) | | AAGL-2A |
| | Green | | |
| | 60-100 W (AAU-1N) | | AAGL-1G |
| | 150-300 W (AAU-15N) | | AAGL-1G |
| | 200-300 W (AAU-2NS) | | AAGL-2G |
| | Red | | |
| 60-100 W (AAU-1N) | | AAGL-1R | |
| 150-300 W (AAU-15N) | | AAGL-1R | |
| 200-300 W (AAU-2NS) | | AAGL-2R | |
| Replacement Socket | | | |
|  <p>AASP-22</p>  <p>AASP-44</p> | 60-100 W (AAU-1N) — Medium Base | | AASP-11 |
| | 150-300 W (AAU-15N) — Medium Base | | AASP-22 |
| | 200-300 W (AAU-2NS) — Medium Base | | AASP-22 |
| | | | |
| Connection Block | | | |
|  | Fits A-51 Mounting Hoods 60-300 W | | VPT-7 |
| Globe Gaskets — Fiber and Aluminum | | | |
|  | Requires one of each | | Fiber |
| | 60-300 W (AAU-1N and AAU-15N) | | AASP-15V |
| | 200-300 W (AAU-2NS) | | AASP-2V |
| | | | Aluminum |
| | | AASP-15A | |
| | | AASP-2A | |

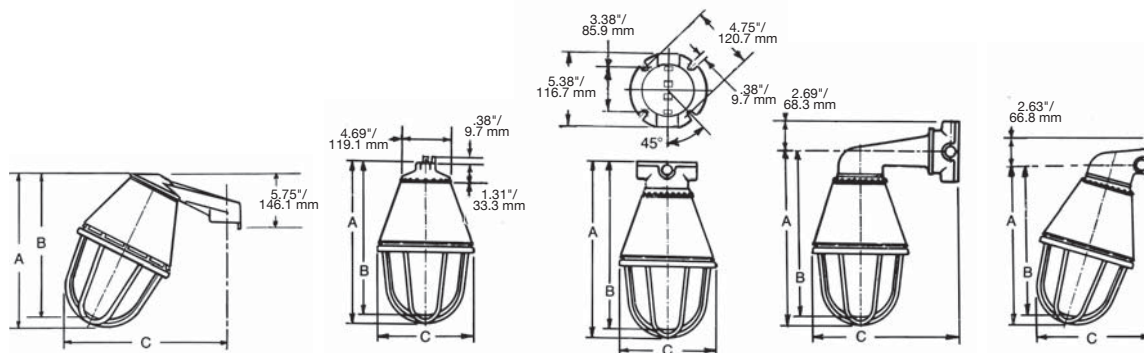
LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

Lighting

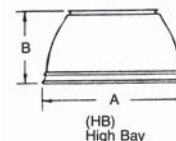
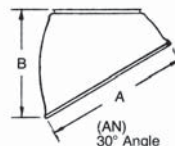
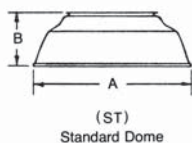
A-51® Incandescent Factory Sealed Luminaire Dimensions

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.



| Size (Watts) | Stanchion | | | Pendant Ⓢ | | | Ceiling | | | Long Bracket | | | Short Bracket | | |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | A | B | C | A | B | C | A | B | C | A | B | C | A | B | C |
| 60-100 | 11.47/ 291.3 | 10.85/ 275.6 | 11.50/ 292.1 | 12.25/ 311.2 | 11.63/ 295.4 | 7.06/ 179.3 | 13.75/ 349.3 | 13.13/ 333.5 | 7.06/ 179.3 | 13.75/ 349.3 | 13.13/ 333.5 | 12.38/ 314.5 | 13.56/ 344.4 | 12.94/ 328.7 | 9.13/ 231.9 |
| 150-300 | 11.47/ 291.3 | 10.85/ 275.6 | 11.50/ 292.1 | 12.25/ 311.2 | 11.63/ 295.4 | 7.06/ 179.3 | 13.75/ 349.3 | 13.13/ 333.5 | 7.06/ 179.3 | 13.75/ 349.3 | 13.13/ 333.5 | 12.38/ 314.5 | 13.56/ 344.4 | 12.94/ 328.7 | 9.13/ 231.9 |
| 200-300 | 13.07/ 332.0 | 12.38/ 314.5 | 12.71/ 322.8 | 13.94/ 354.1 | 13.25/ 336.6 | 8.81/ 223.8 | 15.44/ 392.2 | 14.75/ 374.7 | 8.81/ 223.8 | 15.50/ 392.2 | 14.75/ 374.7 | 13.25/ 336.6 | 15.19/ 385.8 | 14.50/ 363.8 | 10.13/ 257.3 |



| Size (Watts) | A Ⓢ | B Ⓢ | A | B | A | B |
|--------------|-------------|------------|-------------|------------|-------------|------------|
| 60-100 | 12.00/304.8 | 4.50/114.3 | 10.00/254.0 | 7.63/193.8 | - | - |
| 150-200 | 14.00/355.6 | 4.38/111.3 | 10.00/254.0 | 7.63/193.8 | - | - |
| 200-300 | 16.00/406.4 | 5.19/131.8 | 12.00/304.8 | 7.88/200.2 | 12.00/304.8 | 6.06/153.9 |

① For dimensions of fixture unit only, subtract pendant hood dimension 1.31"/3.3 cm from dimensions A and B as listed.

② Dimensions illustrated are for porcelain steel (dome and angle) and etched aluminum (high bay).

Overall dimensions for fiberglass reinforced polyester reflectors are: standard dome – 16-1/2"/419.1 mm dia., 6" high; 30° Angle – 14-3/8"/374.7 mm dia., 10"/254 mm high.

A-51® Incandescent Factory Sealed Luminaire Photometric Data

For Group C and D Locations. Explosionproof

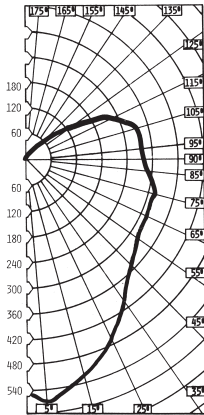
Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Photometric data shown here is based on a 200-watt type PS-30 lamp and is representative of the performance for all A-51 incandescent fixtures using 60-watt to 300-watt lamps. For candlepower values of fixtures with other lamps, use the following multipliers:

60 W A-19 – 0.23;
150 W A-21 – 0.75;
200 W A-25 – 1.02;
300 W PS-25 – 1.70;

100 W A-19 – 0.47;
200 W A-23 – 1.07;
200 W PS-25 – 1.03;
300 W PS-30 – 1.63.

To determine candlepower values of fixtures with a guard, multiply by value shown with each curve.



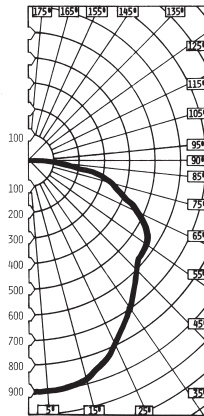
A-51 Incandescent Fixture without Reflector
Spacing to Mtg. Ht. Ratio 1.25:1
Guard .877



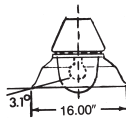
Effective Floor Cavity Reflectance (Rfc) is 20%

| | % Ceiling Rcc | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 | | |
|---------------------------|---------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | % Walls | Rw | | | | | | | | | | | | | | | | |
| ROOM CAVITY RATIOS | 1 | .735 | .690 | .651 | .695 | .655 | .618 | .622 | .590 | .561 | .554 | .530 | .506 | .493 | .473 | .454 | .422 | | |
| | 2 | .621 | .558 | .503 | .588 | .530 | .481 | .525 | .478 | .437 | .467 | .430 | .396 | .413 | .384 | .357 | .327 | | |
| | 3 | .540 | .468 | .411 | .512 | .446 | .394 | .457 | .404 | .359 | .406 | .363 | .327 | .360 | .325 | .294 | .267 | | |
| | 4 | .474 | .400 | .342 | .450 | .381 | .328 | .402 | .346 | .301 | .359 | .312 | .274 | .318 | .280 | .248 | .223 | | |
| | 5 | .415 | .341 | .284 | .394 | .325 | .272 | .354 | .295 | .251 | .316 | .266 | .229 | .280 | .240 | .207 | .184 | | |
| | 6 | .372 | .297 | .245 | .352 | .284 | .233 | .316 | .258 | .215 | .283 | .234 | .197 | .252 | .210 | .178 | .157 | | |
| | 7 | .334 | .262 | .213 | .317 | .249 | .203 | .285 | .227 | .187 | .255 | .207 | .170 | .228 | .187 | .155 | .136 | | |
| | 8 | .300 | .231 | .182 | .285 | .221 | .175 | .256 | .202 | .162 | .231 | .183 | .148 | .206 | .165 | .135 | .117 | | |
| | 9 | .271 | .204 | .157 | .258 | .195 | .152 | .233 | .178 | .140 | .209 | .162 | .128 | .187 | .146 | .117 | .100 | | |
| | 10 | .246 | .181 | .139 | .234 | .175 | .135 | .212 | .160 | .124 | .191 | .145 | .113 | .172 | .132 | .102 | .087 | | |

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT



A-51 Incandescent Fixture with Standard Dome Reflector
Spacing to Mtg. Ht. Ratio 1.25:1
Guard .890



Effective Floor Cavity Reflectance (Rfc) is 20%

| | % Ceiling Rcc | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 | | |
|---------------------------|---------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | % Walls | Rw | | | | | | | | | | | | | | | | |
| ROOM CAVITY RATIOS | 1 | .757 | .727 | .700 | .740 | .713 | .689 | .709 | .686 | .667 | .681 | .663 | .646 | .656 | .641 | .627 | .612 | | |
| | 2 | .660 | .613 | .572 | .647 | .603 | .567 | .621 | .585 | .552 | .598 | .568 | .540 | .577 | .551 | .528 | .512 | | |
| | 3 | .580 | .524 | .478 | .570 | .516 | .475 | .549 | .504 | .466 | .529 | .490 | .458 | .511 | .478 | .449 | .434 | | |
| | 4 | .514 | .452 | .403 | .504 | .446 | .400 | .486 | .436 | .395 | .469 | .425 | .390 | .454 | .415 | .384 | .368 | | |
| | 5 | .451 | .385 | .336 | .442 | .380 | .334 | .427 | .372 | .332 | .413 | .364 | .327 | .399 | .357 | .323 | .308 | | |
| | 6 | .402 | .336 | .291 | .394 | .333 | .286 | .381 | .326 | .285 | .369 | .319 | .282 | .358 | .313 | .279 | .264 | | |
| | 7 | .361 | .296 | .254 | .355 | .293 | .250 | .343 | .286 | .247 | .332 | .282 | .245 | .323 | .278 | .243 | .229 | | |
| | 8 | .323 | .261 | .216 | .318 | .258 | .216 | .308 | .254 | .215 | .299 | .249 | .213 | .290 | .245 | .211 | .197 | | |
| | 9 | .291 | .230 | .187 | .287 | .227 | .187 | .278 | .223 | .186 | .269 | .219 | .184 | .262 | .216 | .182 | .169 | | |
| | 10 | .264 | .204 | .166 | .259 | .204 | .166 | .253 | .200 | .164 | .245 | .197 | .162 | .240 | .194 | .161 | .149 | | |

A-51[®] Incandescent Factory Sealed Luminaire Photometric Data

For Group C and D Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

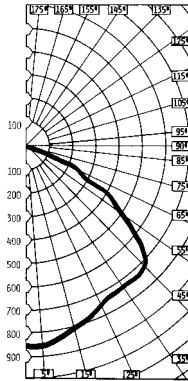
Photometric data shown here is based on a 200-watt type PS-30 lamp and is representative of the performance for all A-51 incandescent fixtures using 60-watt to 300-watt lamps. For candlepower values of fixtures with other lamps, use the following multipliers:

60 W A-19 – 0.23;
150 W A-21 – 0.75;
200 W A-25 – 1.02;
300 W PS-25 – 1.70;

100 W A-19 – 0.47;
200 W A-23 – 1.07;
200 W PS-25 – 1.03;
300 W PS-30 – 1.63.

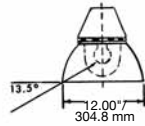
To determine candlepower values of fixtures with a guard, multiply by value shown with each curve.

Effective Floor Cavity Reflectance (Rfc) is 20%

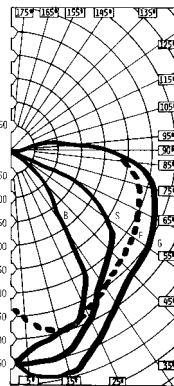


A-51 Incandescent Fixture with High Bay Reflector

Spacing to Mtg.
Ht. Ratio 1.40:1
Guard .865



| % Ceiling Rcc | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 | | | |
|--------------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|--|
| | % Walls | Rw | | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | |
| ROOM CAVITY RATIOS | 1 | .686 | .644 | .645 | .671 | .651 | .634 | .644 | .628 | .614 | .620 | .607 | .595 | .598 | .588 | .577 | .566 | | |
| | 2 | .614 | .580 | .549 | .603 | .571 | .545 | .581 | .555 | .531 | .562 | .540 | .520 | .544 | .525 | .508 | .496 | | |
| | 3 | .550 | .508 | .473 | .542 | .501 | .470 | .524 | .490 | .461 | .507 | .478 | .454 | .492 | .467 | .446 | .434 | | |
| | 4 | .493 | .445 | .408 | .486 | .441 | .404 | .470 | .431 | .400 | .456 | .422 | .395 | .443 | .413 | .389 | .377 | | |
| | 5 | .439 | .387 | .349 | .432 | .383 | .347 | .420 | .376 | .344 | .407 | .369 | .340 | .396 | .363 | .336 | .324 | | |
| | 6 | .393 | .340 | .304 | .387 | .338 | .300 | .376 | .331 | .298 | .366 | .326 | .296 | .356 | .320 | .293 | .281 | | |
| | 7 | .352 | .299 | .264 | .347 | .296 | .261 | .337 | .290 | .258 | .327 | .287 | .256 | .320 | .283 | .254 | .242 | | |
| | 8 | .313 | .261 | .224 | .309 | .259 | .223 | .300 | .255 | .222 | .293 | .251 | .220 | .285 | .247 | .219 | .207 | | |
| | 9 | .280 | .228 | .191 | .276 | .225 | .191 | .268 | .222 | .190 | .261 | .219 | .189 | .254 | .216 | .187 | .176 | | |
| | 10 | .252 | .201 | .168 | .248 | .201 | .168 | .242 | .197 | .167 | .236 | .195 | .165 | .231 | .192 | .164 | .153 | | |



A-51 Incandescent Fixture with 30° Reflector



Back
S – Side
F – Front
G – Front W. Guard

LIGHTING: EXPLOSIONPROOF – AREA – INCANDESCENT

Lighting








A-51® Incandescent Factory Sealed Luminaires

For Group A and B Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups A♦, B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

| | | Hub Size (Inches) | Catalog Number ①② |
|---|---|----------------------|--------------------------------------|
| Pendant ♦ — One Hub, Rigid or Flexible Mounting | | | |
|  | 60-200 W (AAUA-15) | 1/2 | AAPA1550 |
| | PS-25 | 3/4 | AAPA1575 |
| | 200-300 W (AAUA-2) | 1/2 | AAPA2050 |
| | PS-30 | 3/4 | AAPA2075 |
| Ceiling — Four Hubs, Three Close-up Plugs | | | |
|  | 60-200 W (AAUA-15) | 1/2 | AACA1550 |
| | PS-25 | 3/4 | AACA1575 |
| | 200-300 W (AAUA-2) | 1/2 | AACA2050 |
| | PS-30 | 3/4 | AACA2075 |
| 15° Short Bracket — Two Hubs, One Close-up Plug | | | |
|  | 60-200 W (AAUA-15) | 1/2 | AASBA1550 |
| | PS-25 | 3/4 | AASBA1575 |
| | 200-300 W (AAUA-2) | 1/2 | AASBA2050 |
| | PS-30 | 3/4 | AASBA2075 |
| Reflectors | | | |
| Porcelain | Polyester | Standard Dome | |
|  |  | | |
| 16.00"/406.4 mm | 16.00"/406.4 mm | | |
| | | 60-200 W (AAUA-15) | Porcelain AARW-15ST |
| | | 200-300 W (AAUA-2) | AARW-2ST |
| | | | Polyester AARP-2ST |
| 30° Angle | | | |
|  |  | | |
| 12.00"/304.8 mm | 12.00"/304.8 mm | | |
| | | 60-200 W (AAUA-15) | AARW-15AN |
| | | 200-300 W (AAUA-2) | AARW-2AN |
| | | | AARP-2AN |

① See A-51® Incandescent Factory Sealed Luminaire Classified Area Suitability page for suitability of specific fixtures.

② Add suffix -G to catalog number for optional guard.

♦ Shaded area indicates pendant mount is suitable for Class I, Group A in addition to other applicable area suitabilities.




A-51® Incandescent Factory Sealed Luminaires

For Group A and B Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Class I, Division 1 and 2, Groups A, B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III

Mounting Hoods

| | Type | Hub Size (Inches) | Catalog Number |
|--------------------------|---|--|--|
| Pendant |  | One Hub, Rigid or Flexible Mounting | 1/2 AAP-50 ① 3/4 AAP-75 ① |
| | | | |
| Ceiling |  | Four Hubs, Three Close-up Plugs | 1/2 AAC-50 3/4 AAC-75 |
| | | | |
| 15° Short Bracket |  | Two Hubs, One Close-up Plug | 1/2 AASB-50 3/4 AASB-75 |
| | | | |

| | Description | Catalog Number |
|--------------------------------|--|-----------------|
| Fixture Units | 60-200 W | AAUA-15 |
| | PS-25 | |
| | 200-300 W | AAUA-2 |
| | PS-30 | |
| Globe and Ring Assembly | 60-200 W (AAUA-15) | AAGLA-15 |
| | 200-300 W (AAUA-2) | AAGLA-2 |
| Aluminum Guards | 60-200 W (AAUA-15) | AAGUA-15 |
| | 200-300 W (AAUA-2) | AAGU-2 |
| Medium Base Lamp Socket | 60-200 W (AAUA-15) | AASPA-15 |
| | 200-300 W (AAUA-2) | AASPA-22 |
| Connection Block | Fits all A-51 and AA-51 mounting hoods 60-300 W | VPT-7 |

① Group A pendant mount only.

LIGHTING: EXPLOSIONPROOF – AREA – INCANDESCENT

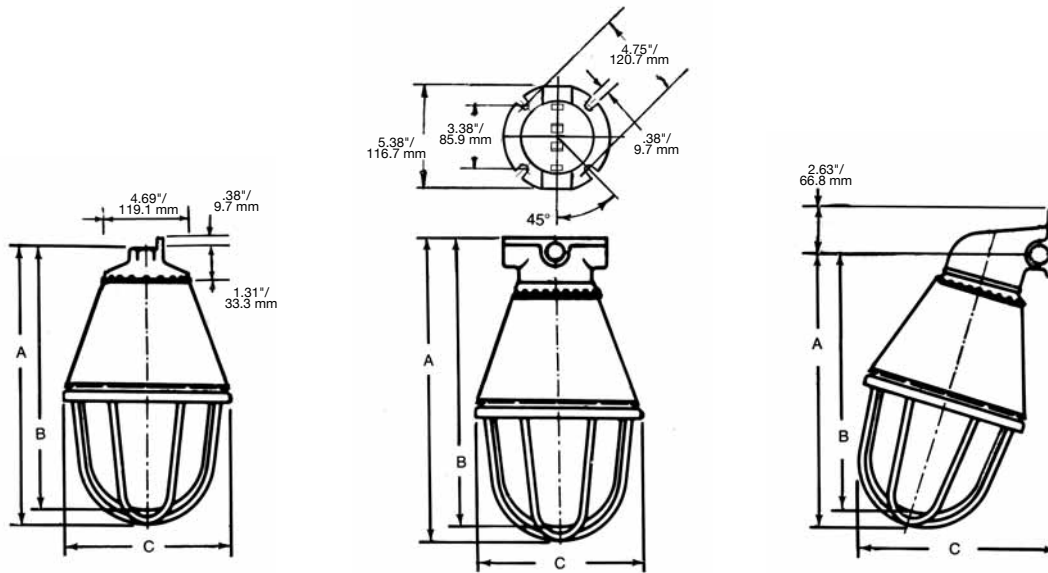
Lighting

A-51® Incandescent Factory Sealed Luminaire Dimensions

For Group A and B Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Dimensions in In/mm



| Size (Watts) | Pendant | | | Ceiling | | | Short Bracket | | |
|--------------|-------------|-------------|------------|-------------|-------------|------------|---------------|-------------|-------------|
| | A | B | C | A | B | C | A | B | C |
| 60-200 | 13.69/347.7 | 13.13/333.5 | 7.06/179.3 | 16.50/419.1 | 15.94/404.9 | 7.06/179.3 | 15.00/381.0 | 14.44/366.8 | 9.50/241.3 |
| 200-300 | 14.75/374.7 | 13.69/347.7 | 8.81/223.8 | 17.56/446.0 | 16.50/419.1 | 8.81/223.8 | 16.00/406.4 | 15.44/392.2 | 10.38/263.7 |

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

Lighting

A-51[®] Incandescent Factory Sealed Luminaire Photometric Data

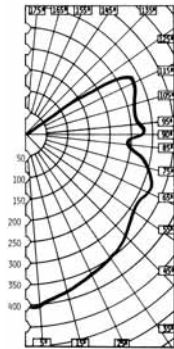
For Group A and B Locations. Explosionproof

Suitable for use in Wet Locations. UNILETS for use with Threaded Metal Conduit.

Photometric data shown here is based on a 200-watt type PS-25 lamp, and is representative of the performance for A-51 incandescent fixtures (Groups A and B). For candlepower values of fixtures with other lamps, use the following multipliers: 150 W (PS-25) – 0.70; and 300 W (PS-25) – 1.6. To determine candlepower values

of fixtures with a guard, multiply by value shown with each curve.

Effective Floor Cavity Reflectance (Rfc) is 20% (No Reflector)



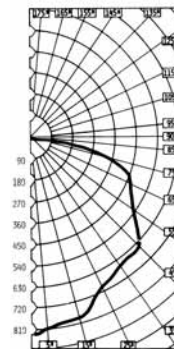
A-51 Incandescent Fixture without Reflector

Spacing to Mtg.
Ht. Ratio 1.34:1
Guard .80



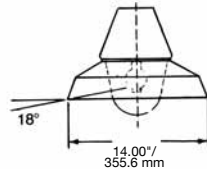
| % Ceiling Rcc | Effective Floor Cavity Reflectance (Rfc) is 20% (No Reflector) | | | | | | | | | | | | | | | | |
|--------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 80 | | 70 | | 50 | | 30 | | 10 | | 0 | | | | | | |
| % Walls | Rw | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| ROOM CAVITY RATIOS | 1 | .711 | .669 | .630 | .669 | .631 | .595 | .590 | .560 | .533 | .518 | .495 | .473 | .452 | .434 | .417 | .383 |
| | 2 | .602 | .541 | .488 | .567 | .511 | .465 | .499 | .455 | .416 | .437 | .402 | .371 | .380 | .352 | .327 | .296 |
| | 3 | .519 | .449 | .393 | .488 | .424 | .374 | .430 | .379 | .336 | .375 | .335 | .300 | .325 | .292 | .264 | .236 |
| | 4 | .456 | .384 | .328 | .430 | .364 | .312 | .379 | .325 | .282 | .332 | .288 | .252 | .288 | .252 | .223 | .197 |
| | 5 | .400 | .328 | .274 | .378 | .311 | .260 | .334 | .278 | .236 | .293 | .247 | .211 | .254 | .217 | .187 | .164 |
| | 6 | .357 | .285 | .234 | .336 | .270 | .221 | .297 | .242 | .200 | .261 | .215 | .180 | .227 | .188 | .159 | .138 |
| | 7 | .318 | .248 | .200 | .300 | .234 | .190 | .265 | .209 | .171 | .233 | .187 | .153 | .204 | .165 | .135 | .116 |
| | 8 | .287 | .219 | .172 | .270 | .208 | .164 | .240 | .187 | .149 | .212 | .167 | .134 | .184 | .147 | .119 | .101 |
| | 9 | .260 | .194 | .150 | .246 | .185 | .143 | .218 | .166 | .130 | .192 | .148 | .117 | .168 | .131 | .103 | .087 |
| | 10 | .236 | .173 | .132 | .222 | .166 | .126 | .199 | .149 | .114 | .175 | .133 | .102 | .154 | .117 | .090 | .075 |

Effective Floor Cavity Reflectance (Rfc) is 20% (No Reflector)

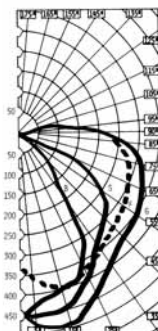


A-51 Incandescent Fixture with Standard Dome Reflector

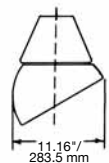
Spacing to Mtg.
Ht. Ratio 1.2:1
Guard .80



| % Ceiling Rcc | Effective Floor Cavity Reflectance (Rfc) is 20% (No Reflector) | | | | | | | | | | | | | | | | |
|--------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 80 | | 70 | | 50 | | 30 | | 10 | | 0 | | | | | | |
| % Walls | Rw | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| ROOM CAVITY RATIOS | 1 | .797 | .763 | .733 | .779 | .748 | .721 | .745 | .720 | .697 | .715 | .695 | .676 | .689 | .671 | .655 | .640 |
| | 2 | .687 | .633 | .586 | .673 | .622 | .581 | .645 | .603 | .566 | .620 | .585 | .553 | .597 | .567 | .541 | .524 |
| | 3 | .594 | .530 | .478 | .583 | .522 | .474 | .560 | .508 | .464 | .538 | .494 | .457 | .519 | .481 | .448 | .431 |
| | 4 | .527 | .458 | .404 | .517 | .452 | .400 | .497 | .440 | .395 | .479 | .430 | .390 | .462 | .419 | .384 | .366 |
| | 5 | .466 | .393 | .340 | .456 | .388 | .337 | .440 | .379 | .335 | .424 | .371 | .330 | .410 | .364 | .326 | .310 |
| | 6 | .414 | .342 | .292 | .406 | .339 | .288 | .391 | .331 | .286 | .378 | .324 | .283 | .367 | .317 | .280 | .264 |
| | 7 | .369 | .298 | .252 | .362 | .294 | .248 | .350 | .288 | .245 | .337 | .284 | .242 | .328 | .279 | .240 | .225 |
| | 8 | .333 | .265 | .217 | .327 | .262 | .216 | .316 | .257 | .215 | .307 | .252 | .213 | .297 | .248 | .211 | .196 |
| | 9 | .302 | .235 | .189 | .297 | .232 | .189 | .287 | .229 | .188 | .278 | .224 | .186 | .270 | .221 | .185 | .170 |
| | 10 | .273 | .209 | .167 | .268 | .209 | .167 | .261 | .204 | .166 | .253 | .201 | .163 | .247 | .198 | .162 | .149 |



A-51 Incandescent Fixture with 30° Angle Reflector



B—Back
S—Side
F—Front
G—Front W/Guard

LIGHTING: EXPLOSIONPROOF — AREA — INCANDESCENT

Lighting