

A-51™ Incandescent Factory Sealed Luminaires

Explosionproof. For use with threaded metal conduit.

Hazardous Location. Suitable for use in Wet Locations

NEC/CEC — 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

NEC/CEC — 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 – 100 W through 300 W incandescent lamps.
- Choice of units with or without guard, as well as choice of polyester reflectors.
- Choice of mountings: pendant, ceiling, 25° stanchion, long bracket and 15° short bracket.
- Fiberglass reinforced polyester reflectors for installations where fixture is subject to exceptionally severe corrosive atmospheres.
- 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: fiberglass reinforced polyester.

Standard Finishes

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

NEC/CEC 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

Group A and B



Polyester Reflector



Mounting Options

Group C and D



Polyester Reflector



Mounting Options

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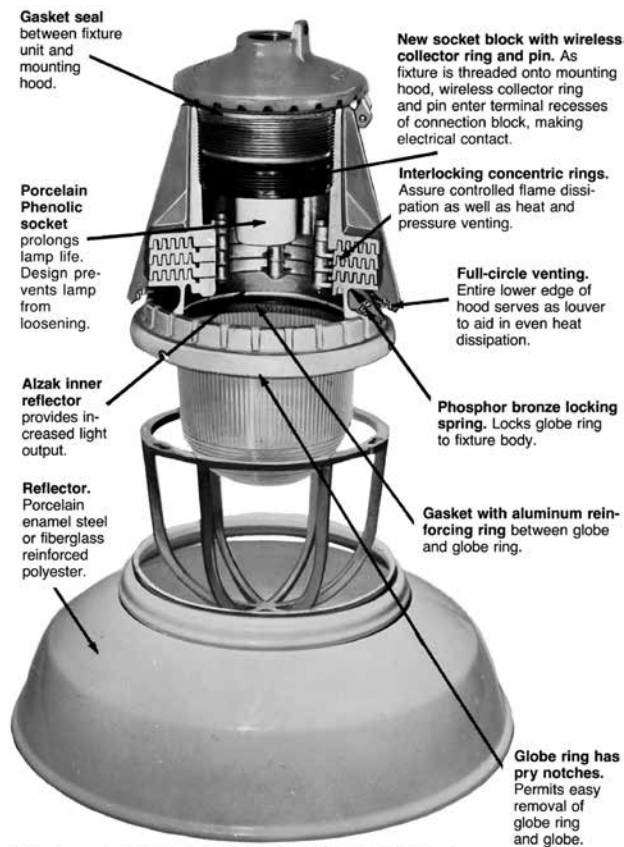
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Illustrated Features



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

Weights

Mounting Hoods	Wt. kg (lbs)
Pendant	0.6 (1.3)
Ceiling	2.2 (4.8)
Stanchion	0.7 (1.6)
Long Bracket	4.0 (8.9)
Short Bracket	2.2 (4.8)

Catalog Number	Wt. kg (lbs)
Fixture Units	
AAU-1N	3.4 (7.6)
AAU-15N	3.4 (7.6)
AAU-2NS	4.9 (10.7)
AAU-5NS	9.2 (20.3)
AAUA-15	6.8 (15.0)
AAUA-2	8.2 (18.0)

Guards	
AAGU-1	0.2 (0.4)
AAGU-2	0.4 (0.8)
AAGU-5	0.9 (1.9)
AAGUA-15	0.2 (0.5)

Standard Reflectors	
AARP-2ST	1.3 (2.8)
AARW-15ST	1.0 (2.1)
AARW-2ST	1.3 (2.9)
AARW-5ST	2.0 (4.3)
AARW-15ST	1.0 (2.1)

30° Angle Reflectors	
AARP-2AN	1.5 (3.3)
AARW-15AN	1.0 (2.1)
AARW-2AN	1.1 (2.4)
AARW-5AN	3.2 (7.0)
AARW-15AN	1.0 (2.1)

High Bay Reflectors	
AARE-2HB	1.3 (2.9)
AARE-5HB	1.8 (3.9)