

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

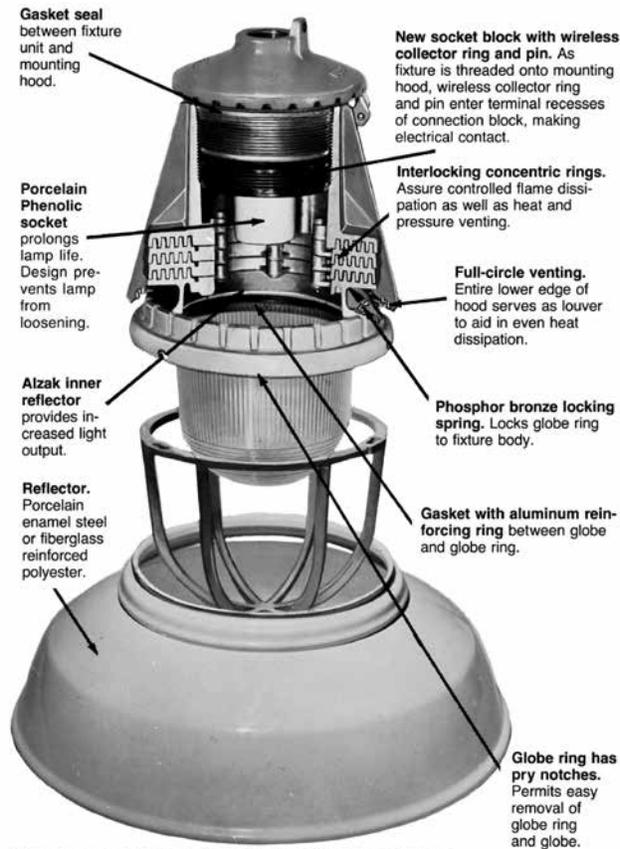
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Illustrated Features



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	Wt. kg (lbs)
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	Wt. kg (lbs)
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	Wt. kg (lbs)
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	Wt. kg (lbs)
AARE-2HB	1.3 (2.9)
AARE-5HB	1.8 (3.9)

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Incandescent Luminaires | Area / Task | Explosionproof, Hazardous Location | NEC/CEC

Type	Fixture Size	Catalog Number	
Standard Dome — Polyester — Not for use with short brackets			
	200-300 W (AAU-2NS)	AARP-2ST	
30° Angle — Polyester			
	200-300 W (AAU-2NS)	AARP-2AN	
Colored Glass Globes			
	Amber		
	100 W (AAU-1N)	AAGL-1A	
	150-300 W (AAU-15N)	AAGL-1A	
	200-300 W (AAU-2NS)	AAGL-2A	
	Green		
	100 W (AAU-1N)	AAGL-1G	
	150-300 W (AAU-15N)	AAGL-1G	
	200-300 W (AAU-2NS)	AAGL-2G	
	Red		
100 W (AAU-1N)	AAGL-1R		
150-300 W (AAU-15N)	AAGL-1R		
200-300 W (AAU-2NS)	AAGL-2R		
Replacement Socket			
	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-44	
Connection Block			
	Fits A-51 Mounting Hoods		
	100-300 W	VPT-7	
Globe Gaskets — Fiber and Aluminum			
	Requires one of each	Fiber	Aluminum
	100-300 W (AAU-1N and AAU-15N)	AASP-15V	AASP-15A
	200-300 W (AAU-2NS)	AASP-2V	AASP-2A

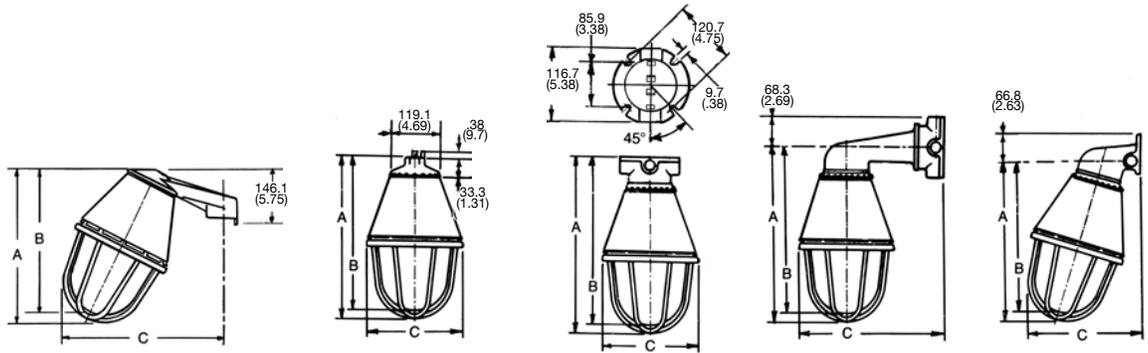
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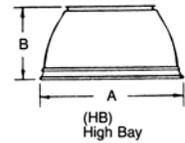
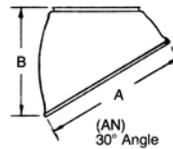
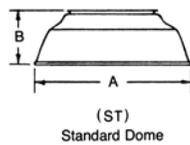
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Dimensions in Millimeters (Inches)



Size (Watts)	Stanchion mm (in)			Pendant ① mm (in)			Ceiling mm (in)			Long Bracket mm (in)			Short Bracket mm (in)		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
100	291.3 (11.47)	275.6 (10.85)	292.1 (11.50)	311.2 (12.25)	295.4 (11.63)	179.3 (7.06)	349.3 (13.75)	333.5 (13.13)	179.3 (7.06)	349.3 (13.75)	333.5 (13.13)	314.5 (12.38)	344.4 (13.56)	328.7 (12.94)	231.9 (9.13)
150-300	291.3 (11.47)	275.6 (10.85)	292.1 (11.50)	311.2 (12.25)	295.4 (11.63)	179.3 (7.06)	349.3 (13.75)	333.5 (13.13)	179.3 (7.06)	349.3 (13.75)	333.5 (13.13)	314.5 (12.38)	344.4 (13.56)	328.7 (12.94)	231.9 (9.13)
200-300	332.0 (13.07)	314.5 (12.38)	322.8 (12.71)	354.1 (13.94)	336.6 (13.25)	223.8 (8.81)	392.2 (15.44)	374.7 (14.75)	223.8 (8.81)	392.2 (15.44)	374.7 (14.75)	336.6 (13.25)	385.8 (15.19)	363.8 (14.50)	257.3 (10.13)



Size (Watts)	A ②	B ②	A	B	A	B
100	304.8 (12.00)	114.3 (4.50)	254.0 (10.00)	193.8 (7.63)	-	-
150-200	355.6 (14.00)	111.3 (4.38)	254.0 (10.00)	193.8 (7.63)	-	-
200-300	406.4 (16.00)	131.8 (5.19)	304.8 (12.00)	200.2 (7.88)	304.8 (12.00)	153.9 (6.06)

① For dimensions of fixture unit only, subtract pendant hood dimension 3.3 cm (1.31") 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 – 419.1 mm (16-1/2") dia., (6") (152.4) high; 30° Angle – 374.7 mm (14-3/8") dia., 254 mm (10") high.

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Incandescent Luminaires | Area / Task | Explosionproof, Hazardous Location | NEC/CEC

		Hub Size (Inches)	Catalog Number ①②
Pendant ◆ — One Hub, Rigid or Flexible Mounting			
	100-200 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			
	100-200 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			
	100-200 W (AAUA-15)	1/2	AASBA1550
	PS-25	3/4	AASBA1575
	200-300 W (AAUA-2)	1/2	AASBA2050
	PS-30	3/4	AASBA2075
Standard Dome — Polyester			
	200-300 W (AAUA-2)	AARP-2ST	AARP-2ST
30° Angle — Polyester			
	200-300 W (AAUA-2)	AARP-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.