A-51[®] Incandescent Factory Sealed Luminaires

Explosion proof

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*

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.

- · 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-
- 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 explosion proof 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.)
- 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 Luminaire Accessories

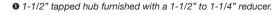
For Group C and D Locations. Explosionproof

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
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Туре		Hub Size (Inches)	Catalog Number
Pendant — One Hub, Rigid or Fle	xible Mounting		
-0		1/2	AAP-50
		3/4	AAP-75
		1	AAP-100
Ceiling — Four Hubs, Three Close	e-up Plugs		
A () ()		1/2	AAC-50
		3/4	AAC-75
		1	AAC-100
25° Stanchion - Not UL Listed -	- One Hub		
		1-1/2	AAN-150 0
DID T			
Long Bracket - Four Hubs, Thre	e Close-up Plugs		
		1/2	AALB-50
		3/4	AALB-75
		1	AALB-100
15° Short Bracket — Two Hubs, C	ne Close-up Plug		
10		1/2	AASB-50
		3/4	AASB-75
Туре			Catalog Number
Fixture Units			outulog Hullibol
Tixture office	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
HTT	150-300 W (AAU-15N)		AAGU-1
	200-300 W (AAU-2NS)		AAGU-2
	,		





A-51® Incandescent Factory Sealed Luminaires

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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

	Туре	Hub Size (Inches)	Catalog Number
Pendant			
	One Hub,	1/2	AAP-50 ⊕
	Rigid or Flexible Mounting	3/4	AAP-75 0
Ceiling			
AND THE RES	Four Hubs,	1/2	AAC-50
U	Three Close-up Plugs	3/4	AAC-75
15° Short Bracket			
	Two Hubs,	1/2	AASB-50
	One Close-up Plug	3/4	AASB-75

	Description	Catalog Numbe
Fixture Units		
	60-200 W	
	PS-25	AAUA-15
and the same	200-300 W	
	PS-30	AAUA-2
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

