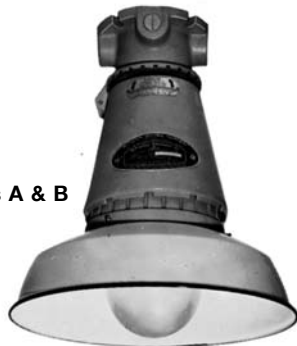


## Incandescent Lighting: Explosionproof

A-51® Groups C & D



A-51® Groups A & B



EHL Handlamp



ELS Series



Code•Master™ Strobe



Page	Description
<b>5-11</b>	<b>A-51® Series Lighting Fixtures— Class I, Groups C and D</b>
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See Section Q for Explosionproof Floodlights.

## A-51® Incandescent Explosionproof Lighting Fixtures: Factory Sealed

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

### Applications

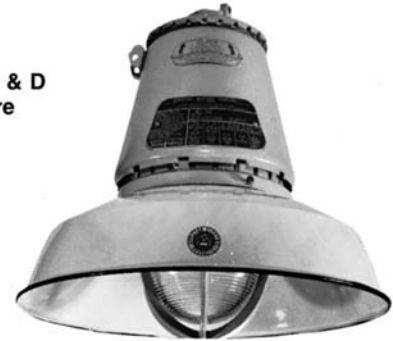
- A-51 Series Incandescent Class I, Groups A, B, C and D; Class II, E, F and G applications (see listings and area suitability chart).
- Ideal for use in chemical and petrochemical plants and in other heavy process areas where ignitable vapors, dust, moisture and corrosive atmospheres may be present.
- Suitable for use in wet locations.
- Wide range of wattages — 60 thru 500 watt incandescent lamps.
- Choice of units with or without guard as well as choice of porcelain or polyester reflectors.
- Choice of mountings — pendant, ceiling, stanchion, long bracket and 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.
- 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 are required.
- New high temp 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.

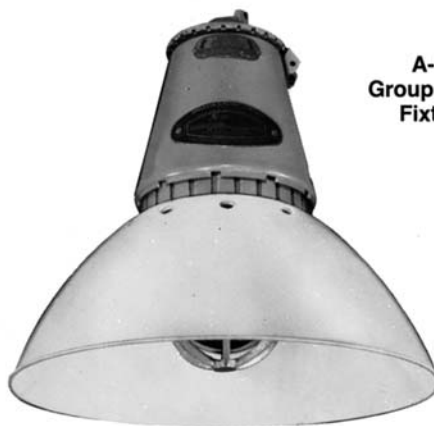


Polyester Reflector



Porcelain Reflector

A-51  
Group C & D  
Fixture



Polyester Reflector



Porcelain Reflector

A-51  
Group A & B  
Fixture



## A-51® Incandescent Explosionproof Lighting Fixtures: Factory Sealed

Suitable for use in Wet Locations.

UNILETS® for use with Threaded Metal Conduit.

- 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 which automatically makes electrical contact as fixture unit is threaded onto mounting hood.
- Globes in A-51 fixtures are explosion-proof and heat and impact resisting 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 Alzak® aluminum inner reflector for increased lumen efficiency.
- A-51 fixture guards are of rugged copper-free aluminum construction and double epoxy coated—provide protection to globe. Easily mounts to globe ring with 3 screws.

### Standard Materials

- *Fixtures and guards:* copper-free aluminum (4/10 of 1%).
- *Pendant mounting hoods:* copper-free aluminum (4/10 of 1%).
- *Ceiling and bracket mounting hoods:* malleable iron with aluminum adapters.
- *Reflectors:* porcelain enameled steel, Alzak aluminum or 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.
- *Steel reflectors:* white porcelain enamel.
- *Polyester and Alzak aluminum reflectors:* natural finish.

### Compliances

- UL Listed.
- UL 1598 and 844.

- Class I,\* Div. 1 and 2, Groups A,B,C,D. Class II,\* Div. 1 and 2, Groups E,F,G.

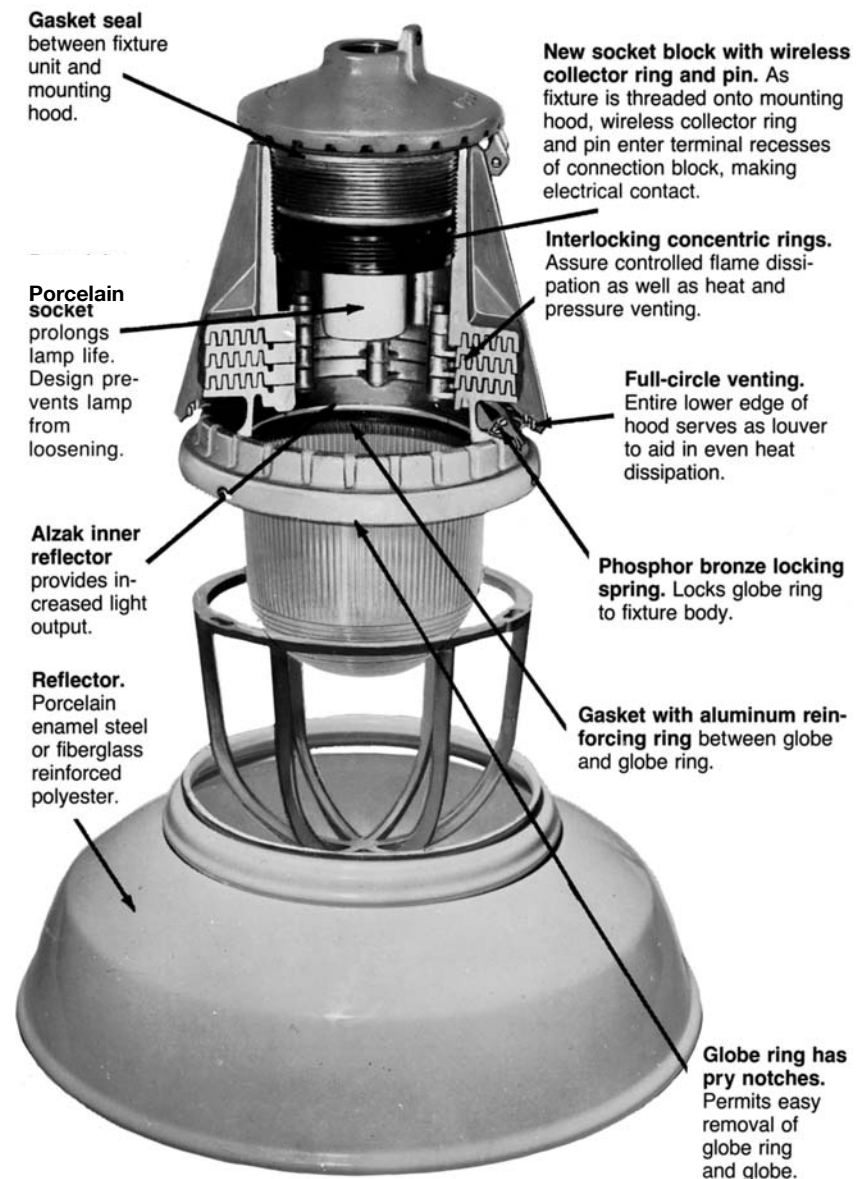
\*Some models.

- Suitable for use in wet locations.
- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.

- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

### Product Cross Reference

- See general introduction to catalog for information on fixture selection. For HID fixtures with integral ballasts, see Code•Master Series in catalog section G1. Fluorescent fixtures are in section F3 and G3.



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

## A-51® Incandescent Fixtures Classified Area Suitability and Weights

### Class I Div. 1 and Div. 2 Groups C and D

Fixture Unit	Lamp Watts	Without Reflectors				Supply Wire
		Standard Dome	30° Angle	High Bay		
AAU1N	100W A19	T5	T5	T5	—	125°C
	100W A21	T5	T5	T5	—	125°C
AAU15N	150W A23	T3C	T3C	T3C	—	125°C
	200W A25	T3C	T3C	T3C	—	125°C
	200W PS25	T3C	T3C	T3C	—	125°C
	300W PS25	T3C	T3A	T3A (D)	—	125°C
AAU2NS	200W PS25	T3C	T3C	T3C	—	110°C
	200W PS30	T3C	T3C	T3C	—	110°C
	300W PS25	T3C	T3C	T3C	—	110°C
	300W PS30	T3C	T3C	T3C	—	110°C
AAU5NS	500W PS35	T3C	T3C	T3C	—	135°C
	500W PS40	T3C	T3C	T3C	—	135°C

### Class I Div. 1 and Div. 2 Groups A, B, C and D

AAUA15	150W A23	T3C	T3C	T3C	—	110°C
	150W A25	T3C	T3C	T3C	—	110°C
	200W A25	T3C	T3C	T3C	—	110°C
	200W PS25	T3C	T3C	T3C	—	110°C
AAUA2	200W PS25	T3C	T3C	T3C	—	110°C
	200W PS30	T3C	T3C	T3C	—	110°C
	300W PS25	T3C	T3C	T3C	—	110°C
	300W PS30	T3C	T3C	T3C	—	110°C

### Class II Div. 1 and Div. 2 Groups E, F and G

AAU1N	100W A19	T3C	T3C	T3C	—	125°C
	100W A21	T3C	T3C	T3C	—	125°C
AAU15N	150W A23	T3C	T3C	T3C	—	125°C
	200W A25	T3C	T3C	T3C	—	125°C
	200W PS25	T3	T3	T3	—	125°C
	300W PS25	T3			—	125°C
AAU2NS	200W PS25	T3C	T3C	T3C	—	110°C
	200W PS30	T3C	T3C	T3C	—	110°C
	300W PS25	T3C	T3C	T3A (EF)	—	110°C
	300W PS30	T3C	T3C	T3A (EF)	—	110°C
AAU5NS	500W PS35	T3C	T3C	T3C	—	135°C
	500W PS40	T3C	T3C	T3C	—	135°C

Group A Pendant Mount only. NOTE: Ambient suitability of these incandescent fixtures: 40° C

### Weights

Fixture Units		Mounting Hoods		Guards		Standard Reflectors		30° Angle Reflectors		High Bay Reflectors	
Cat. No.	Wt., Lbs.	Cat. No.	Wt., Lbs.	Cat. No.	Wt., Lbs.	Cat. No.	Wt., Lbs.	Cat. No.	Wt., Lbs.	Cat. No.	Wt., Lbs.
AAU-1N	7.6	Pendant	1.3	AAGU-1	.4	AARP-2ST	2.8	AARP-2AN	3.3	AARE-2HB	2.9
AAU-15N	7.6	Ceiling	4.8	AAGU-2	.8	AARW-15ST	2.1	AARW-15AN	2.1	AARE-5HB	3.9
AAU-2NS	10.7	Stanchion	1.6	AAGU-5	1.9	AARW-2ST	2.9	AARW-2AN	2.4		
AAU-5NS	20.3	Long Bracket	8.9	AAGUA-15	.5	AARW-5ST	4.3	AARW-5AN	7.0		
AAUA-15	15.0	Short Bracket	4.8			AARW-15ST	2.1	AARW-15AN	2.1		
AAUA-2	18.0										

Class I, Div. 1 and 2  
Groups C,D  
Class II, Div. 1 and 2  
Groups E,F,G\*  
Class III

## A-51® Incandescent Explosionproof Lighting Fixtures: Factory Sealed

Suitable for use in Wet Locations.

UL 1598, UL 844



Type	Hub Size (Inches)	Catalog Number
<b>Pendant</b>		
One hub, rigid or flexible mounting.		
60-100 Watt (AAU-1N)	1/2	AP1050
A-21	3/4	AP1075
	1	AP10100
150-300 Watt (AAU-15N)	1/2	AP1550
A-23 PS-25	3/4	AP1575
	1	AP15100
200-300 Watt (AAU-2NS)	1/2	AP2050
PS-30	3/4	AP2075
	1	AP20100
300-500 Watt (AAU-5NS)	1/2	AP5050
PS-35	3/4	AP5075
	1	AP50100



<b>Ceiling</b>		
Four hubs and three close-up plugs.		
60-100 Watt (AAU-1N)	1/2	AC1050
A-21	3/4	AC1075
	1	AC10100
150-300 Watt (AAU-15N)	1/2	AC1550
A-23 PS-25	3/4	AC1575
	1	AC15100
200-300 Watt (AAU-2NS)	1/2	AC2050
PS-30	3/4	AC2075
	1	AC20100
300-500 Watt (AAU-5NS)	1/2	AC5050
PS-35	3/4	AC5075
	1	AC50100



<b>25° Stanchion (Not UL Listed)</b>		
One hub		
60-100 Watt (AAU-1N)		
A-21	1-1/2◆	AN10150
150-300 Watt (AAU-15N)		
A-23 PS-25	1-1/2◆	AN15150
200-300 Watt (AAU-2NS)		
PS-30	1-1/2◆	AN20150
300-500 Watt (AAU-5NS)		
PS-35	1-1/2◆	AN50150

\*For specific classified area suitability of each fixture listed, see table on page G2-4. ◆1-1/2" tapped hub furnished with a 1-1/2" to 1-1/4" reducer.







# G2-6

Class I, Div. 1 and 2  
Groups C,D  
Class II, Div. 1 and 2  
Groups E,F,G\*  
Class III

## A-51® Incandescent Explosionproof Lighting Fixtures: Factory Sealed

Suitable for use in Wet Locations.










UL 1598, UL 844

	Type	Hub Size (Inches)	Catalog Number
	<b>Long Bracket</b>		
	Four hubs and three close-up plugs		
	60-100 Watt (AAU-1N)	1/2	ALB1050
	A-21	3/4	ALB1075
		1	ALB10100
	150-300 Watt (AAU-15N)	1/2	ALB1550
	A-23 PS-25	3/4	ALB1575
		1	ALB15100
	200-300 Watt (AAU-2NS)	1/2	ALB2050
	PS-30	3/4	ALB2075
		1	ALB20100
	300-500 Watt (AAU-5NS)	1/2	ALB5050
	PS-35	3/4	ALB5075
		1	ALB50100
		<b>15° Short Bracket</b>	
Two hubs and one close-up plug			
60-100 Watt (AAU-1N)		1/2	ASB1050
A-21		3/4	ASB1075
150-300 Watt (AAU-15N)		1/2	ASB1550
A-23 PS-25		3/4	ASB1575
200-300 Watt (AAU-2NS)		1/2	ASB2050
PS-30		3/4	ASB2075
	<b>Three-Way Exit Sign</b>		CJEXRN
	Epoxy enameled steel — 6"-high red lettering		
	<b>Single Sided Exit Sign</b>		AEXR-15R
	Epoxy enameled steel — 6"-high red lettering		
	60-200W (Mounts to AAU-1N or AAU-15N fixture units in place of guard)		
	(See page G2-24 for dimensions)		
<b>Accessories</b>			
Add Suffix to Fixture Catalog Number			
<b>Guard</b>			<b>Suffix</b>
<b>Standard Dome Reflector</b>			-G
<b>30° Angle Reflector</b>			-ST
<b>High Bay Reflector</b>			-AN
			-HB

\*For specific classified area suitability of each fixture listed, see table on page G2-4.

## A-51® Incandescent Explosionproof Lighting Fixtures: Mounting Hoods, Fixture Units, Globes, Guards












Copper-Free Aluminum Fixture with Gray Epoxy Finish.  
Mounting Hoods in Aluminum and Malleable Iron.\*

	Type	Hub Size (Inches)	Catalog Number
<b>Mounting Hoods*</b>			
<b>Pendant</b>			
	One hub,	1/2	AAP-50
	rigid or flexible mounting	3/4	AAP-75
		1	AAP-100
<b>Ceiling</b>			
	Four hubs	1/2	AAC-50
	and three	3/4	AAC-75
	close-up plugs	1	AAC-100
<b>25° Stanchion (Not UL Listed)</b>			
	One hub	1-1/2	AAN-150†
<b>Long Bracket</b>			
	Four hubs	1/2	AALB-50
	and three	3/4	AALB-75
	close-up plugs	1	AALB-100
<b>15° Short Bracket</b>			
	Two hubs and one close-up plug	1/2 3/4	AASB-50 AASB-75
<b>Fixture Units</b>			
	60-100W A-21		AAU-1N
	150-300W A-23 & PS-25		AAU-15N
	200-300W PS-30		AAU-2NS
	300-500W PS-35		AAU-5NS
<b>Prismatic Glass Globes</b>			
	60-100W (AAU-1N)		AAGL-1PR
	150-300W (AAU-15N)		AAGL-1PR
	200-300W (AAU-2NS)		AAGL-2PR
	300-500W (AAU-5NS)		AAGL-5PR
<b>Aluminum Guards</b>			
	60-100W (AAU-1N)		AAGU-1
	150-300W (AAU-15N)		AAGU-1
	200-300W (AAU-2NS)		AAGU-2
	300-500W (AAU-5NS)		AAGU-5

†1-1/2" Tapped hub furnished with a 1-1/2" to 1-1/4" reducer. \* Pendant and stanchion mounting hoods are copper-free aluminum. Ceiling and bracket types are malleable iron with aluminum adapters.

## A-51® Incandescent Explosionproof Lighting Fixtures: Reflectors, Colored Globes, Parts

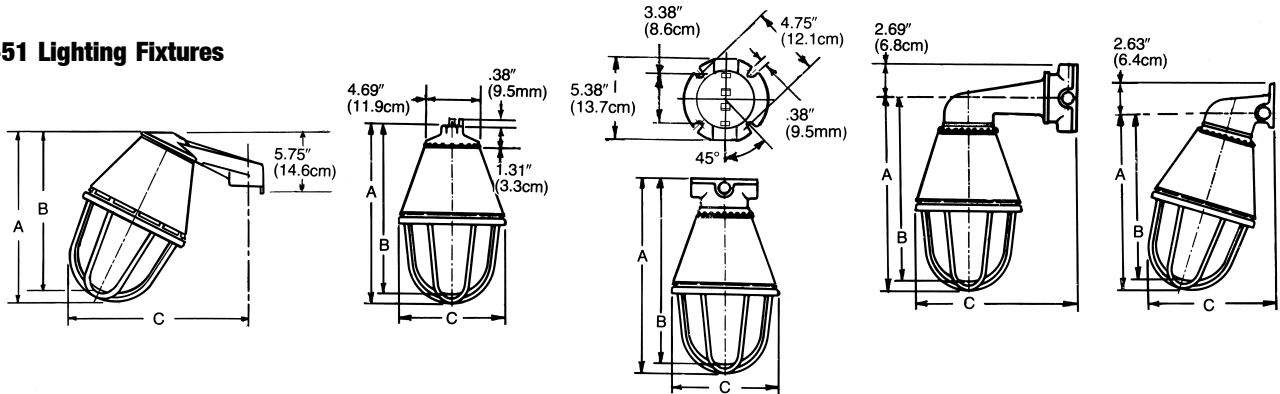
Porcelain, Alzak Aluminum or Polyester Reflectors.

		Fixture Size	Catalog Number		
<b>Porcelain and Polyester Reflectors</b>					
 16" Porcelain Standard Dome		 16" Polyester Standard Dome	<b>Standard Dome</b> <i>(Not for use with short brackets)</i> 60-100W (AAU-1N) 150-300W (AAU-15N) 200-300W (AAU-2NS) 300-500W (AAU-5NS)	<b>Porcelain</b>  AARW-15ST AARW-15ST AARW-2ST AARW-5ST	<b>Polyester</b>  AARP-2ST
 12" 30° Angle Porcelain		 12" 30° Angle Polyester	<b>30° Angle</b> 60-100W (AAU-1N) 150-300W (AAU-15N) 200-300W (AAU-2NS) 300-500W (AAU-5NS)	AARW-15AN AARW-15AN AARW-2AN AARW-5AN	AARP-2AN
<b>Alzak Aluminum Reflectors</b>					
			<b>High Bay</b> 200-300W (AAU-2NS) 300-500W (AAU-5NS)	AARE-2HB AARE-5HB	
<b>Colored Glass Globes</b>					
			<b>Amber</b> 60-100W (AAU-1N) 150-300W (AAU-15N) 200-300W (AAU-2NS)	AAGL-1A AAGL-1A AAGL-2A	
			<b>Green</b> 60-100W (AAU-1N) 150-300W (AAU-15N) 200-300W (AAU-2NS)	AAGL-1G AAGL-1G AAGL-2G	
			<b>Red</b> 60-100W (AAU-1N) 150-300W (AAU-15N) 200-300W (AAU-2NS)	AAGL-1R AAGL-1R AAGL-2R	
<b>Replacement Socket</b>					
 AASP-22		 AASP-44	60-100W (AAU-1N)—Medium Base 150-300W (AAU-15N)—Medium Base 200-300W (AAU-2NS)—Medium Base 300-500W (AAU-5NS)—Mogul Base	AASP-11 AASP-22 AASP-22 AASP-44	
<b>Connection Block</b>					
			60-500W. Fits A-51 Mounting Hoods	VPT-7	
<b>Globe Gaskets—Fiber and Aluminum</b>					
			Requires one of each  60-300W (AAU-1N and AAU-15N) 200-300W (AAU-2NS) 300-500W (AAU-NS)	<b>Fiber</b> AASP-15V AASP-2V AASP-5V	<b>Aluminum</b> AASP-15A AASP-2A AASP-5A



## Dimensions: A-51® Incandescent Lighting Fixtures

### A-51 Lighting Fixtures



Size (Watts)	Stanchion			Pendant◆			Ceiling			Long Bracket			Short Bracket		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

#### Dimensions in Inches

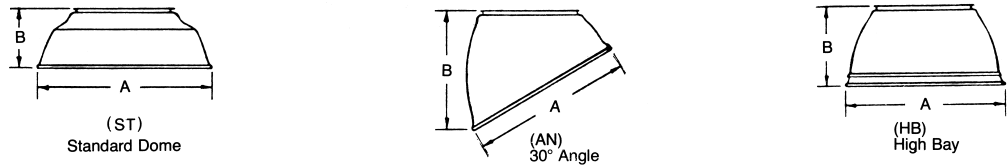
60-100	11.47	10.85	11.50	12.25	11.63	7.06	13.75	13.13	7.06	13.75	13.13	12.38	13.56	12.94	9.13
150-300	11.47	10.85	11.50	12.25	11.63	7.06	13.75	13.13	7.06	13.75	13.13	12.38	13.56	12.94	9.13
200-300	13.07	12.38	12.71	13.94	13.25	8.81	15.44	14.75	8.81	15.50	14.75	13.25	15.19	14.50	10.13
300-500	15.09	14.34	14.64	16.00	15.25	12.13	17.50	17.75	12.13	17.50	16.75	14.88	17.25	16.50	11.94

#### Dimensions in Centimeters

60-100	29.1	27.6	29.2	31.1	29.5	17.9	34.9	33.3	17.9	34.9	33.3	31.4	34.4	32.9	23.2
150-300	29.1	27.6	29.2	31.1	29.5	17.9	34.9	33.3	17.9	34.9	33.3	31.4	34.4	32.9	23.2
200-300	33.2	31.4	32.3	35.4	33.7	22.4	39.2	37.5	22.4	39.4	37.5	33.7	38.6	36.8	25.7
300-500	38.3	36.4	37.2	40.6	38.7	30.8	44.5	45.1	30.8	44.5	42.5	37.8	43.8	41.9	30.3

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

### A-51 Reflectors\*



Size (Watts)	A	B	A	B	A	B
--------------	---	---	---	---	---	---

#### Dimensions in Inches

60-100	12.00	4.50	10.00	7.63	—	—
150-200	14.00	4.38	10.00	7.63	—	—
200-300	16.00	5.19	12.00	7.88	12.00	6.06
300-500	20.00	6.84	18.00	13.13	18.00	9.13

#### Dimensions in Centimeters

60-100	30.5	11.4	25.4	19.4	—	—
150-200	35.6	11.1	25.4	19.4	—	—
200-300	40.6	13.2	30.5	20.0	30.5	15.4
300-500	50.8	17.4	45.7	33.3	45.7	23.2

\*Dimensions illustrated are for porcelain steel (dome and angle) and etched Alzak aluminum (high bay). Overall dimensions for fiberglass reinforced polyester reflectors are: standard dome—16-1/2" dia., 6" high; 30° Angle—14-3/8" dia., 10" high.

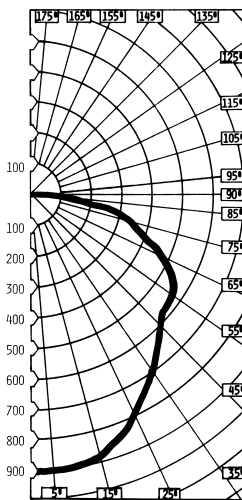
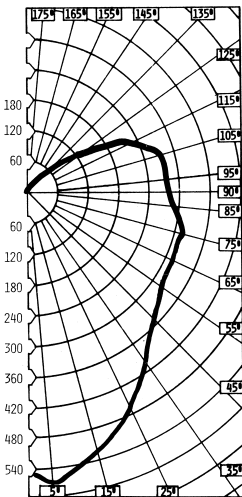
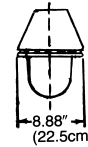
## Photometric Data: A-51® Incandescent Explosionproof Lighting Fixtures

Class I, Groups C and D Fixtures.

### Coefficients of Utilization: Zonal Cavity Method

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 500 watt lamps. For candlepower values of fixtures with other lamps, use the following multipliers: 60 watt A-19—.23; 100 watt A-19—.47; 150 watt A-21—.75; 200 watt A-23—1.07; 200 watt A-25—1.02; 200 watt PS-25—1.03; 300 watt PS-25—1.70; 300 watt PS-30—1.63; 300 watt PS-35—1.55; 500 watt PS-35—2.95; 500 watt PS-40—2.69. To determine candlepower values of fixtures with a guard, multiply by value shown with each curve.

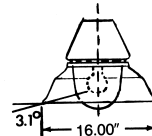
A-51 Incandescent  
Fixture without Reflector  
Spacing to Mtg.  
Ht. Ratio 1.25:1  
Guard .877



### Effective Floor Cavity Reflectance (R<sub>fc</sub>) is 20%

% Ceiling R <sub>cc</sub>		80			70			50			30			10			0
% Walls	R <sub>w</sub>	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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

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



### Effective Floor Cavity Reflectance (R<sub>fc</sub>) is 20%

% Ceiling R <sub>cc</sub>		80			70			50			30			10			0
% Walls	R <sub>w</sub>	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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

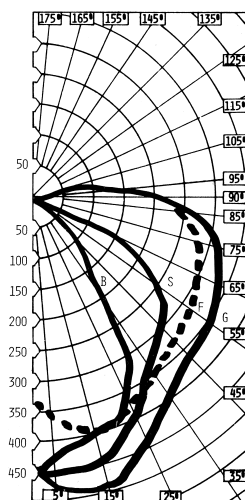
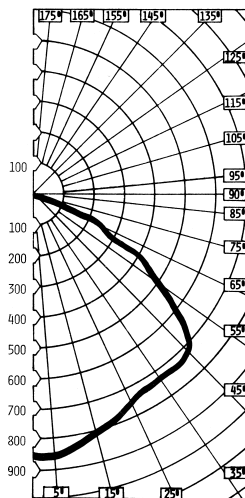
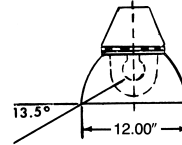
## Photometric Data: A-51® Incandescent Explosionproof Lighting Fixtures

Class I, Groups C and D Fixtures.

### Coefficients of Utilization: Zonal Cavity Method

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 500 watt lamps. For candlepower values of fixtures with other lamps, use the following multipliers: 60 watt A-19—.23; 100 watt A-19—.47; 150 watt A-21—.75; 200 watt A-23—1.07; 200 watt A-25—1.02; 200 watt PS-25—1.03; 300 watt PS-25—1.70; 300 watt PS-30—1.63; 300 watt PS-35—1.55; 500 watt PS-35—2.95; 500 watt PS-40—2.69. To determine candlepower values of fixtures with a guard, multiply by value shown with each curve.

A-51 Incandescent  
Fixture with  
High Bay Reflector  
Spacing to Mtg.  
Ht. Ratio 1.40:1  
Guard .865



**Effective Floor Cavity Reflectance (R<sub>fc</sub>) is 20%**

% Ceiling R <sub>cc</sub>		80			70			50			30			10			0
% Walls	R <sub>w</sub>	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
		<b>ROOM CAVITY RATIOS</b>	1	.686	.644	.645	.671	.651	.634	.644	.628	.614	.620	.607	.595	.598	.588
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	.383	.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






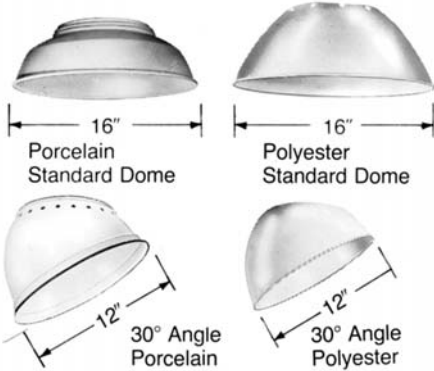
B—Back  
S—Side  
F—Front  
G—Front W.Guard

# G2-12

Class I, Div. 1 and 2  
Groups A, B, C, D  
Class II, Div. 1 and 2  
Groups E, F, G  
Class III  
UL 1598, UL 844 Listed

## A-51® Incandescent Groups A and B Explosionproof Lighting Fixtures: Factory Sealed

Suitable for use in Wet Locations.









	Fixture Type and Type	Hub Size (Inches)	Catalog Number	
	<b>Pendant</b>			
	One hub, rigid or flexible mounting.			
	60-200 Watt (AAUA-15)	1/2	AAPA1550 AAPA1575	
	PS-25	3/4		
200-300 Watt (AAUA-2)	1/2	AAPA2050 AAPA2075		
PS-30	3/4			
	<b>Ceiling</b>			
	Four hubs and three close-up plugs.			
	60-200 Watt (AAUA-15)	1/2	AACA1550 AACA1575	
	PS-25	3/4		
200-300 Watt (AAUA-2)	1/2	AACA2050 AACA2075		
PS-30	3/4			
	<b>15° Short Bracket</b>			
	Two hubs and one close-up plug.			
	60-200 Watt (AAUA-15)	1/2	AASBA1550 AASBA1575	
	PS-25	3/4		
200-300 Watt (AAUA-2)	1/2	AASBA2050 AASBA2075		
PS-30	3/4			
	<b>Accessories</b>			
	Add suffix to fixture catalog number		Suffix	
	<b>Guard</b>		-G	
	<b>Standard Dome Reflector</b>		-ST	
	<b>30° Angle Reflector</b>		-AN	
	<b>Porcelain Steel and Polyester Reflectors</b>			
			Porcelain	Polyester
	<b>Standard Dome</b>			
	60-200 Watt (AAUA-15)	AARW-15ST	_____	
200-300 Watt (AAUA-2)	AARW-2ST	_____	AARP-2ST	
<b>30° Angle</b>				
60-200 Watt (AAUA-15)	AARW-15AN	_____		
200-300 Watt (AAUA-2)	AARW-2AN	_____	AARP-2AN	

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

For specific classified area suitability of each fixture, see page G2-4.

## A-51® Incandescent Groups A† and B Explosionproof Lighting Fixtures: Mounting Hoods, Fixtures and Parts

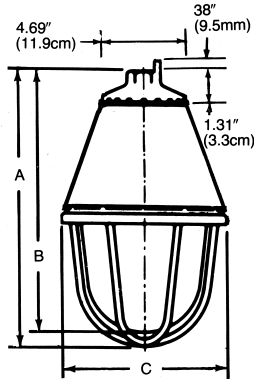
Mounting Hoods in Aluminum and Malleable Iron.\* Copper-Free Aluminum Fixture with Gray Epoxy Finish.

	Type	Hub Size (Inches)	Catalog Number
<b>Mounting Hoods</b>			
<b>Pendant</b>			
	One hub, rigid	1/2	AAU-50†
	or flexible mounting	3/4	AAU-75†
<b>Ceiling</b>			
	Four hubs and three close-up plugs	1/2	AAC-50
		3/4	AAC-75
<b>15° Short Bracket</b>			
	Two hubs and one close-up plug	1/2	AASB-50
		3/4	AASB-75
<b>Fixture Units</b>			
	60-200 Watt		AAUA-15
	PS-25		
	200-300 Watt		AAUA-2
	PS-30		
<b>Globe and Ring Assembly</b>			
	60-200 Watt (AAUA-15)		AAGLA-15
	200-300 Watt (AAUA-2)		AAGLA-2
<b>Aluminum Guards</b>			
	60-200 Watt (AAUA-15)		AAGUA-15
	200-300 Watt (AAUA-2)		AAGU-2
<b>Medium Base Lamp Socket</b>			
	60-200 Watt (AAUA-15)		AASPA-15
	200-300 Watt (AAUA-2)		AASPA-22
<b>Connection Block</b>			
	Fits all A-51 and AA-51 mounting hoods		VPT-7
	60-300 Watt		

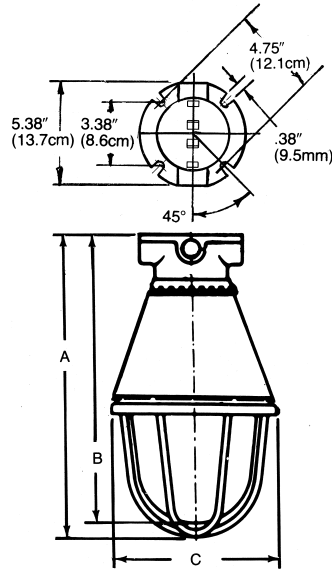
† Group A pendant mount only. \* Pendant mounting hoods are copper-free aluminum. Ceiling and bracket types are malleable iron with aluminum adapters.

# G2-14

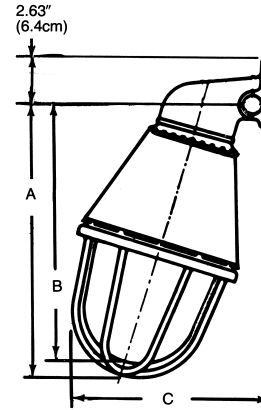
## Dimensions: A-51® Groups A and B Incandescent Lighting Fixtures



**Pendant**



**Ceiling**



**Short Bracket**

Size (Watts)	Pendant			Ceiling			Short Bracket		
	A	B	C	A	B	C	A	B	C
<b>Dimensions in Inches</b>									
60-200	13.69	13.13	7.06	16.50	15.94	7.06	15.00	14.44	9.50
200-300	14.75	13.69	8.81	17.56	16.50	8.81	16.00	15.44	10.38
<b>Dimensions in Centimeters</b>									
60-200	34.8	33.3	17.9	41.9	40.5	17.9	38.1	36.7	24.1
200-300	37.5	34.8	22.4	44.6	41.9	22.4	40.6	39.2	26.4

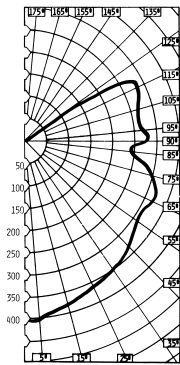


## Photometric Data: A-51® Incandescent Explosionproof Lighting Fixtures

Class I, Groups A and B Fixtures.

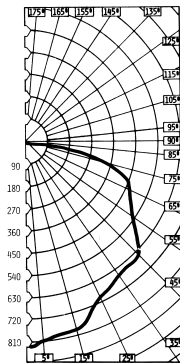
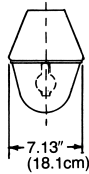
### Coefficients of Utilization: Zonal Cavity Method

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 watt (PS-25), .70; 300 watt (PS-25), 1.6. To determine candlepower values of fixtures with a guard, multiply by value shown with each curve.



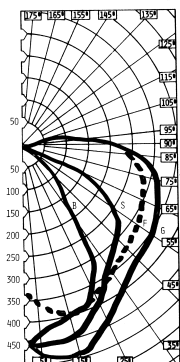
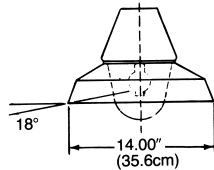
#### A-51 Incandescent Fixture without Reflector

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

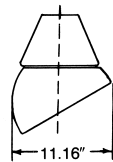


#### A-51 Incandescent Fixture with Standard Dome Reflector

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



#### A-51 Incandescent Fixture with 30° Angle Reflector



B—Back  
S—Side  
F—Front  
G—Front W/Guard

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

% 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	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% (Std. Dome Reflector)

% 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	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

## AHL and EHL Incandescent Explosionproof Lighting Fixtures and Handlamp: Factory Sealed

Suitable for use in Wet Locations.

### Applications

- AHL general purpose Explosionproof lighting fixture - an A-51 fixture with handle assembly of hook and cable clamp. CAUTION: For safe operation, the AHL fixture weight must be supported by the hanger hook, not by the flexible cord, per NEC 502-11(a)(3).

- EHL general purpose Explosionproof portable handlamp. Only 5" in diameter for ease of movement.

- The EHL handlamp may be used with AE Automatic Take-Up Reelites listed in Catalog Subsection W3 and ECC Cord Connector and Plugs and Receptacles in Catalog Section L.

### Features: AHL and EHL

- Equipped with connection block for ease of wiring and relamping.

- Cable clamp diameters: AHL— .375" to .625". EHL—.406" for 16-3 AWG.

- Heat- and impact-resistant glass globes.

### AHL Features

- Sturdy fixture with rugged hanging hook.

- Safety grounding — additional terminal furnished to connect to grounding conductor.

### EHL Features

- Portability, with phenolic handle and non-sparking guard with hook.

- Easy relamping — loosen setscrew, unscrew guard, remove globe and insert lamp.

- Safety grounding — remove cable and clamp and make connections to terminal (including one ground terminal) then tighten clamp.

### Standard Materials

- *Globes:* heat-and impact-resistant glass.

- *AHL fixture unit, hook and guard:* copper-free aluminum.

- *AHL cable clamp:* brass.

- *EHL fixture body and handle:* laminated phenolic.

- *EHL handle:* laminated phenolic.

- *EHL hook:* brass.

- *EHL guard:* copper-free aluminum.



ⓐ AHL Lighting Fixture with Mounting Hook



ⓑ EHL 100W Portable Handlamp with Hook/Guard Assembly (For Reelite applications consult factory for spring requirements)

### Standard Finishes

- *AHL fixture unit, guard, handle and hook:* two-coat epoxy enamel.

- *AHL cable clamp:* natural finish.

- *EHL fixture body:* laminated phenolic.

- *EHL handle:* phenolic.

- *EHL guard and hook:* guard — natural finish, hook — zinc electroplate and clear chromate.

- *EHL cable clamp:* laminated phenolic.

### Compliances

- UL Standard 1598 (supersedes UL 57) and 844.

- Suitable for use in wet locations.




- Appleton malleable iron products conform to ASTM A47-77, Grade 32510, which has the following properties: tensile strength, 50,000 psi; yield, 32,000 psi; and elongation, 10%.

- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.

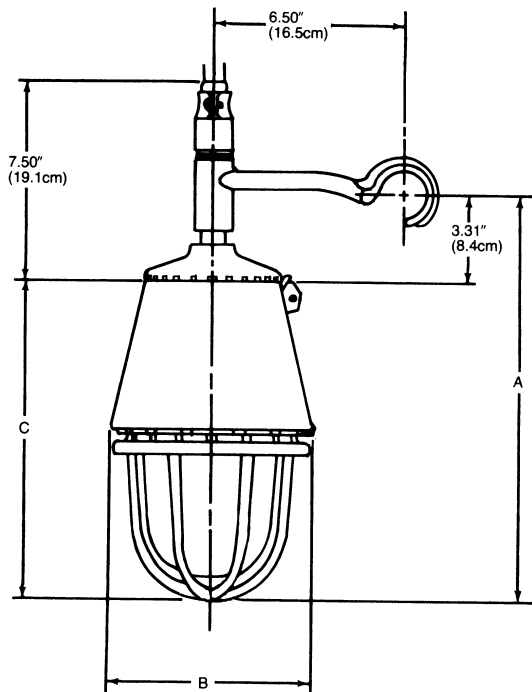
**AHL:**  
**Class I, Div. 1 and 2**  
**Groups C,D**  
**Class II, Div. 1 and 2**  
**Groups F†,G**  
**Class III**  
**EHL:**  
**Class I, Div. 1 and 2**  
**Groups C,D**

## AHL and EHL Incandescent Explosionproof Lighting Fixtures and Handlamp: Factory Sealed

Suitable for use in Wet Locations.

U.S. Pat. 3,170,750	Pat. Can. 1968	Description	Cable Dia. (Inches)	T Ratings	Catalog Number
		 <p><b>AHL—Explosionproof            60-300W Lighting Fixtures</b>            Class I, Groups C and D;            Class II, Groups F and G            CAUTION: For safe operation, weight of fixture            must be supported by hanger hook, not by            the flexible cord, per NEC 502-11(a)3.</p> <p>60-100 Watt, A-21            (AAU-1N)</p> <p>200-300 Watt, PS-30            (AAU-2NS)</p>	.375 to .625	T4	<b>AHL100</b>
		 <p><b>*EHL—Explosionproof            100W Portable Handlamp</b>            Laminated Phenolic Handle. Wiring Connection            Block takes from #16 to #14 Wire.            Class I, Groups C and D</p> <p>100 Watt, A-21</p>	.406	T3A	<b>EHL100N</b>
		 <p><b>EHL Replacement            Globe and Guard</b>            Heat-resistant glass globe            Aluminum guard with hook</p>			<b>XP419            XP163SA</b>

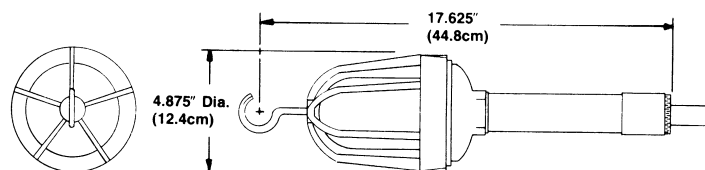
† To reduce the risk of ignition of hazardous atmospheres, do not use where electrically conductive dusts are present (most coal dusts are not electrically conductive). \*Handlamp accommodates 16-3 SO cable. Consult factory if 14-3 cable is required.



### AHL Dimensions

Cat. No.,	Dim. in Inches			Dim. in Centimeters		
	A	B	C	A	B	C
<b>AHL100</b>	14.25	7.06	10.94	36.2	17.9	27.8
<b>AHL200</b>	15.94	8.81	12.63	40.5	22.4	32.1

### EHL Dimensions




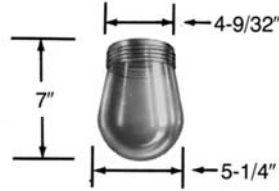
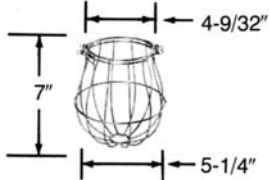

# G2-18

Class II, Div. 1 and 2  
Groups E,F,G  
Class III

UL 1598, UL 844

## EDT Incandescent Dust-Ignitionproof Lighting Fixtures and Accessories

Suitable for use in Wet Locations.

	Watts	Hub Size	Catalog Number
	<b>Pendant Lighting Fixture*</b> One tapped opening for rigid or flexible mounting, with heat resistant clear globe		
	60-200 Watt	1/2"	EDTP2050
	<b>Fixture Accessories and Parts</b> <b>Heat Resistant Clear Glass Globe</b>		
	60-200 Watt		VSGL-2HR
	<b>Globe Guard</b>		
	60-200 Watt		DPGU-2
 <p>VPLR-123</p>	<b>Replacement Porcelain Shock-Absorbing Socket</b> Medium Base		
	60-200 Watt		VPLR-123

\* T3C maximum operating temperature. Supply wire 150°C. Maximum ambient temperature 25°C. Vertical mount only (globe down).

## ELS Series Emergency Lighting System: Explosionproof, Dust-Ignitionproof

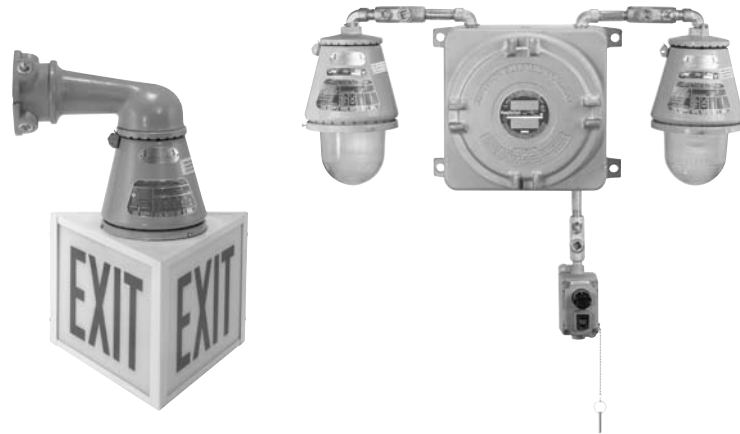
Remote and direct mounted fixtures for hazardous location applications

### Applications

- ELS Series features an emergency lighting power unit that is designed to provide safe operation in the presence of hazardous gasses, vapors, or dusts, defined by the National Electrical Code as Class I, Groups C and D, and Class II, Groups E, F, G.
- Typical applications include all means of egress (such as walkways, exit ramps, stairs and aisles) for hazardous areas which include oil refineries, petrochemical facilities, pulp and paper mills, chemical storage areas, waste water treatment facilities and grain elevators.

### Features

- The electronics consist of a solid-state charger, transfer circuit and low voltage battery disconnect circuit.
- The unit test switch and AC "On" indicator light are housed in a separate module that may be attached directly to the unit housing or mounted remotely for ease of testing.
- All ELS Series units are rated for operation in NEC Class I, Divisions 1 or 2 Groups C and D and Class II, Divisions 1 or 2 Groups E, F, and G environment.
- Housing provisions allow for the attachment of two optional Explosionproof lighting fixtures.
- Unit capacity is sufficient for the connection of up to four, 6- or 12- volt, 18-watt fixtures
- Units provide 90 minutes of emergency operation.
- The solid-state charger maintains battery at full charge.
- Upon failure of utility voltage, the DC emergency lighting load is connected to the battery.
- During emergency operation, automatic battery protection from deep discharge damage is provided by a low-voltage battery disconnect (LVD) circuit.
- Upon restoration of normal power, the charger will begin a recharge cycle. It will bring the battery to full capacity within acceptable UL time standards.
- A pilot light indicates the presence of AC line voltage, and a test switch is provided for checking transfer operation.



Lock out type guard on push button accepts locks with up to 1/4" hasp.

- A universal transformer allows operation on 120 or 277 VAC lines.
- Emergency power source is a maintenance-free, sealed, pure-lead battery suited for harsh temperature environments for 0° to 40°C.
- Expected life is 10 years
- Compact in design.
- Never necessary to add water.
- Standard illumination is provided using fixtures specially designed for emergency lighting in hazardous environments, supplied with double contact bayonet base 18 or 28-watt incandescent lamps.
- Designed for easy installation. Provided with 4 mounting holes for attachment to a wall or other suitable surface. Mounting hardware not included.
- Housing is drilled and tapped for installation of utility 1/2" NPT conduit.
- Quick access to internal wiring and components is provided by thread-on cover.
- All necessary fittings for test switch/pilot light module supplied standard.

### Standard Materials

- Battery Enclosure: Copper Free Aluminum.
- Fixtures and guards: Copper Free Aluminum.

- Ceiling and bracket mounts: Malleable Iron with aluminum adapter.
- Pendant mount: Copper Free Aluminum.
- Reflectors: Porcelain enameled steel.
- Test Switch: Copper free Aluminum with stainless steel hardware.

### Standard Finishes

- Enclosure, Fixtures and Test Station: Epoxy Powder Coat Finish Electrostatically applied for complete and uniform surface protection
- Steel Reflectors: White Porcelain Enamel.

### Options

- The fixture may be adapted to serve as an exit sign through use of an Auxiliary Exit Housing.
- Time Delay Relay (15 min.) available to permit normal lighting to re-establish brightness. Add suffix T1 for 120 VAC or T2 for 277 VAC.

### Compliances

- UL 844
- UL 924
- NFPA101 (Life Safety Code)

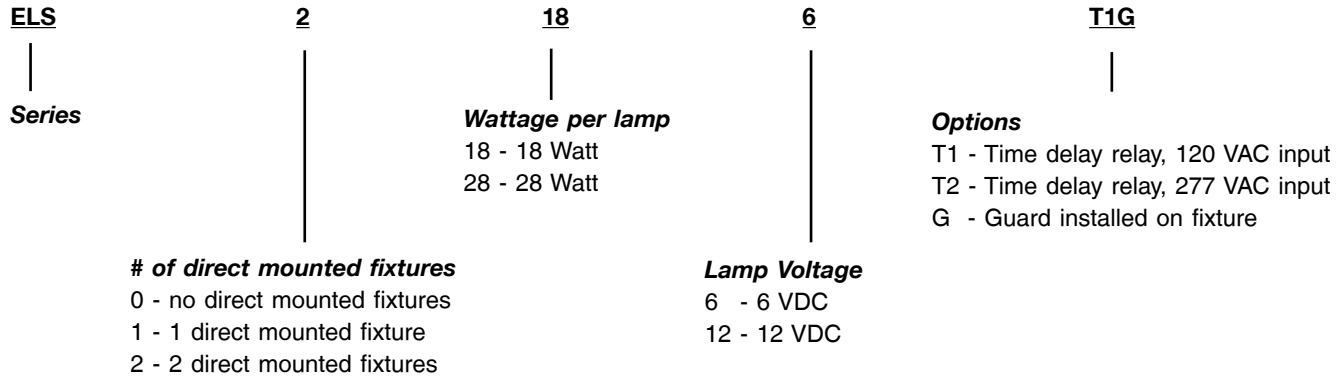
# G2-20

Class I, Div. 1 and 2  
Groups B\*,C,D  
Class II, Div. 1 and 2  
Groups E,F,G  
Class III

## ELS Series Emergency Lighting System: Explosionproof, Dust-Ignitionproof

Remote and direct mounted fixtures for hazardous location applications

### Catalog Numbering Logic for Emergency Lighting System



G

Reflectors and exit signs ordered separately. See accessories page.

### Capacity of standard ELS unit (75 Watt for 90 minutes).

Combination Number	Number of Fixtures	Wattage per Fixture	Total Wattage
1	1	18	18
2	1	28	28
3	2	18	36
4	2	28	56
5	3	18	54
6	1	28	64
	2	18	
7	4	18	72

Up to 2 fixtures may be direct mounted.  
The remainder must be remote mounted.

\* Consult factory for Class I, Group B rating.



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

## ELS Series Emergency Lighting System: Explosionproof, Dust-Ignitionproof

Remote and direct mounted fixtures for hazardous location applications

### Emergency Lighting System with Direct Mounted Fixtures



Number of Fixtures	Watts per Lamp	Lamp Voltage	Input Voltage	Catalog Number (Lamp(s) Included)
2	18	6 VDC	120/277 VAC	ELS2186 ①②③④
2	28	6 VDC	120/277 VAC	ELS2286 ①②③④
2	18	12 VDC	120/277 VAC	ELS21812 ①②③④
2	28	12 VDC	120/277 VAC	ELS22812 ①②③④
1	18	6 VDC	120/277 VAC	ELS1186 ①②③④
1	28	6 VDC	120/277 VAC	ELS1286 ①②③④
1	18	12 VDC	120/277 VAC	ELS11812 ①②③④
1	28	12 VDC	120/277 VAC	ELS12812 ①②③④

### Emergency Lighting System Enclosure with Battery and Charger



Lamp Voltage	Input Voltage	Catalog Number with Push-to-Test (Incl. Fittings)
6 VDC	120/277 VAC	ELS06 ①②③
12 VDC	120/277 VAC	ELS012 ①②③

### Emergency Lighting System Fixture for Direct Mounting to Enclosure

Includes all necessary fittings and lamp.



Watts Per Lamp	Lamp Voltage	Catalog Number Lamp Included
18	6 VDC	AP1050-186-DM ④
28	6 VDC	AP1050-286-DM ④
18	12 VDC	AP1050-1812-DM ④
28	12 VDC	AP1050-2812-DM ④

- ① 1/2" NPT provided for AC input.
- ② Add suffix T1 for time delay relay for 120 VAC input.
- ③ Add suffix T2 for time delay relay for 277 VAC input.
- ④ To order fixtures with guard installed add suffix – G. Reflectors and exit signs are ordered separately. See accessories page.

# G2-22

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

## ELS Series Emergency Lighting System: Explosionproof, Dust-Ignitionproof

Remote and direct mounted fixtures for hazardous location applications

### Emergency Lighting System Fixture for Remote Mounting

Lamp included



Pendant Mount



Ceiling Mount



Long Bracket Mount



Short Bracket Mount

Mounting Type	Watts Per Lamp	Lamp Voltage	Catalog Number Lamp Included ①
Pendant One 1/2" Hub	18	6 VDC	AP1050-186
	28	6 VDC	AP1050-286
	18	12 VDC	AP1050-1812
	28	12 VDC	AP1050-2812
Ceiling Four 1/2" Hubs, Three Close-Up Plugs	18	6 VDC	AC1050-186
	28	6 VDC	AC1050-286
	18	12 VDC	AC1050-1812
	28	12 VDC	AC1050-2812
Long Bracket Four 1/2" Hubs, Three Close-Up Plugs	18	6 VDC	ALB1050-186
	28	6 VDC	ALB1050-286
	18	12 VDC	ALB1050-1812
	28	12 VDC	ALB1050-2812
Short Bracket (15 degrees) Two 1/2" Hubs, One Close-Up Plug	18	6 VDC	ASB1050-186
	28	6 VDC	ASB1050-286
	18	12 VDC	ASB1050-1812
	28	12 VDC	ASB1050-2812

### Emergency Lighting System Replacement Fixtures







Lamp included. Fits existing mounting hood



Watts Per Lamp	Lamp Voltage	Catalog Number Lamp Included ①
18	6 VDC	AAU1N-186
28	6 VDC	AAU1N-286
18	12 VDC	AAU1N-1812
28	12 VDC	AAU1N-2812

① To order fixtures with guard installed add suffix – G. Reflectors and exit signs are ordered separately. See accessories page.

## ELS Series Emergency Lighting System: Accessories, Replacement Parts and Technical Data

	Description	Catalog Number
	Guard	AAGU1
	<b>Three-Way Exit Sign</b> Epoxy enameled steel — 6"-high red lettering Mounts to fixture units in place of guard.	CJEXRN
	<b>Single Sided Exit Sign</b> Epoxy enameled steel — 6"-high red lettering Mounts to fixture units in place of guard.	AEXR-15R
	30° Angle Reflector	AARW15AN
	Standard Dome Reflector	AARW15ST
	Push-to-Test Station Cover with Switch and Pilot Light Switch Only Pilot Light Only	EFDCB150J1U1-T-A EFKB-J1U1-TEST SPBB-U1-Q SPLNS-RE-B
	Lamp, 18 W, 6 VDC Lamp, 28 W, 6 VDC Lamp, 18 W, 12 VDC Lamp, 28 W, 12 VDC	59620527074 59620527075 59620527076 59620527078

### Technical Data: Operating Temperature

Lamp Watts	Supply Wire Temp (degrees C)	Ambient Temp (degrees C)	Class I, Div. 1 & 2 Operating Temperature	Class II, Division 1 & 2 (Groups E, F & G) Operating Temperature
18	125	40	T5	T3C
28	125	40	T5	T3C

Operating temperatures are with and without reflectors and guards

"T" numbers represent the maximum surface temperature for Class I, Div. 1 locations and the maximum surface temperature under dust blanket for Class II, Div. 1 locations.

"T" Number	T1	350	325	T2	T2A	T2B	T2C	T2D	T3	T3A	T3B	T3C	T4	T4A	T5	T6
Temp. Range (°C)	351-450	326-350	301-325	281-300	261-280	231-260	216-230	201-215	181-200	166-180	161-165	136-160	121-135	101-120	86-100	85

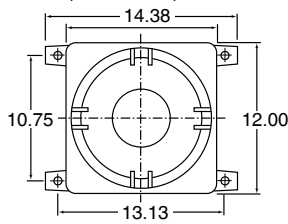
NOTE: The maximum operating temperature of the fixture must not exceed the ignition temperature of the gas, vapor or dust to be encountered per NEC 500-2(c).

## ELS Series Emergency Lighting System: Weights and Dimensions

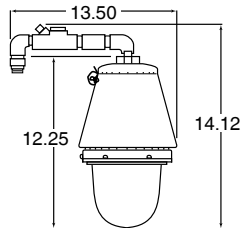
### Weights

Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number
52	ELS06, ELS012	7.6	AAU1N-186
11	AP1050-186-DM	0.4	AAGU1
9	AP1050-186	5	AEXR-15R
12.5	AC1050-186	5	CJEXRN
16.6	ALB1050-186	2.1	AARW15AN
12.5	ASB1050-186	2.1	AARW15ST
4	EFDCB150J1U1-T-A		

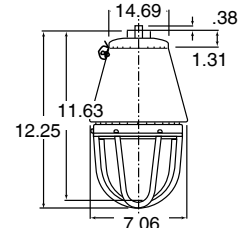
### Dimensions (In Inches)



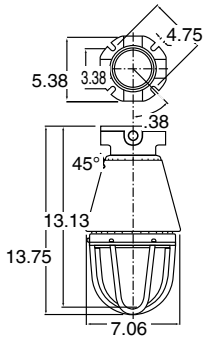
**Battery Enclosure**



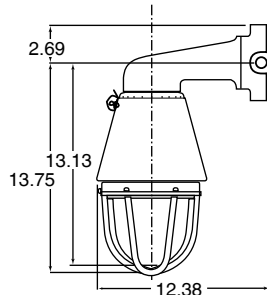
**Direct Mount fixture**



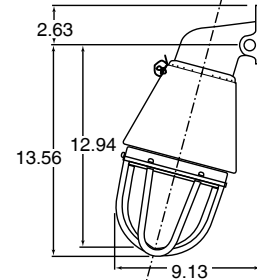
**Pendant Mount**



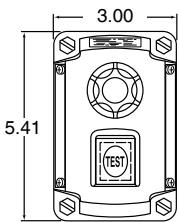
**Ceiling Mount**



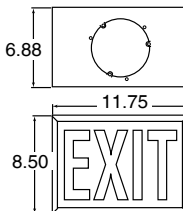
**Long Bracket Mount**



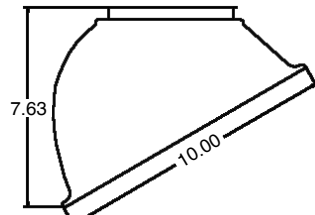
**Short Bracket Mount**



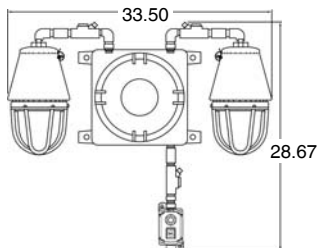
**EFDCB150J1JU1-T-A**



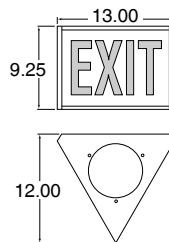
**AEXR-15R**



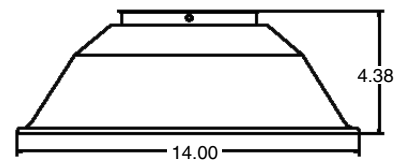
**AARW15AN**



**ELS with 2 direct mounted fixtures**



**CJEXRN**



**AARW15ST**

## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof

### Applications

- Code•Master Explosionproof Strobe and Beacon Fixtures are designed to provide safe operation in the presence of hazardous gases, vapors, or dusts, defined by the National Electrical Code as Class I, Groups C and D, and Class II, Groups E, F and G.
- For use in hazardous locations such as plants where plastics, paints, thinners and petrochemicals are manufactured.
- In areas where audible signals cannot be heard.
- To warn of unsafe conditions and other communication needs.
- -25°C minimum operating temperature.

### Features

- Fixtures operate safely in high ambient temperatures.
- Available for fire alarm hearing impaired.
- Strobe 65 flashes per minute.
- Beacon 75 rotations per minute.
- Fixtures are complete with lamp.
- Patented “wireless” design. Threading of fixture unit onto mounting hood makes electrical connection. The only wiring required is attaching two wires to connection block in mounting hood.
- Connection block is easily wired: (a) loosen two screws, (b) make wire connections, (c) re-position connection block.
- Safe, easy servicing without disconnecting any wiring. “Wireless” fixture unit threads off mounting hood for convenient servicing or for immediate replacement with a “stand-by” unit.
- Acme double-lead threads speed installation and fixture removal from mounting hood only half as many turns are required as for single-lead threads. The threads do not stick or gall, eliminating problems often encountered with single-lead threads during fixture unit removal.
- All threaded joints are flame-tight.
- Lens available in five colors: Red, Amber, Blue, Green and Clear. (Factory installed).
- Factory sealed. External seals not required.
- Heat and impact resistant globes have smooth dust-resistant exterior.



Fixtures are suitable for mounting in any position including globe up or globe down utilizing pendant, ceiling or wall bracket type mounts. Fixtures shown with optional guard.

- Superior corrosion-resistance, with epoxy powder coat finish.
- Fixture is suitable for mounting globe up or globe down utilizing pendant, ceiling or wall bracket type mounts.
- Optional guards protect globes from damage. Secured to fixture with three stainless steel screws.

### Standard Materials

- Fixture housing and guards: copper-free aluminum (less than 4/10 of 1% maximum copper content).
- Mounting hoods: copper-free aluminum (less than 4/10 of 1%).
- Globes: Prismatic Glass.

### Standard Finishes

- Fixture housing, guards and mounting hoods: Epoxy powder coat finish, electrostatically applied for complete, uniform corrosion protection.

### Compliances

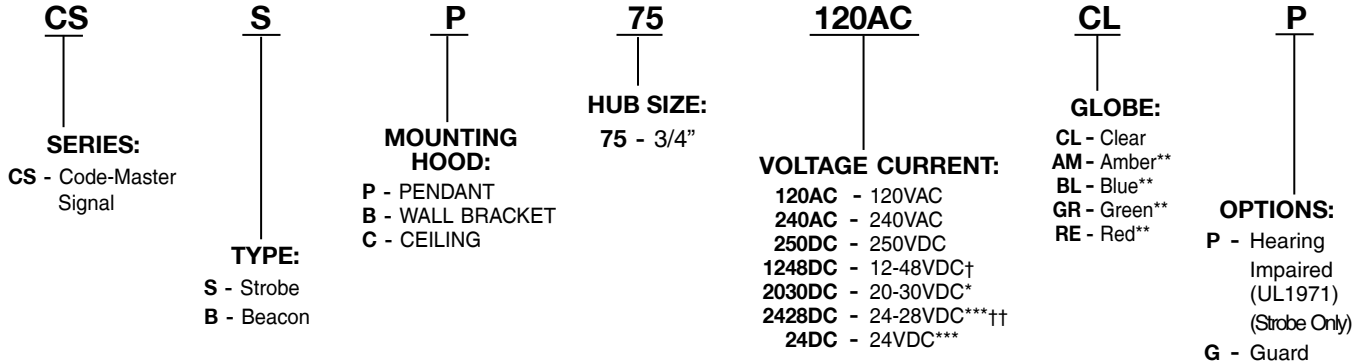
- UL and cUL Listed.
- Class I, Div. 1 and 2, Groups C and D.
- Class I, Div. 2, Groups A, B, C and D.
- Class II, Div. 1 and 2, Groups E, F, and G.
- Class III.
- Type 3R and 4X
- Marine Outside Type (Saltwater).
- UL 1203.
- UL 1638 Visual Signaling Appliances.
- UL 1971 Visual Signaling Equipment has been investigated for fire protective signaling services to alert hearing impaired persons. This signaling equipment is intended to be used in conjunction with Listed compatible units and devices. Visual signaling equipment Listed in this category is intended to be used in the “Public Operating Mode” as defined in NFPA 72.

## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof

### Ordering Information:

Order using catalog numbering guide below or select catalog number from pages G2-27 through G2-30.

### CATALOG NUMBERING GUIDE FOR CODE-MASTER STROBE AND BEACON LUMINAIRES



\* UL1971 Strobe Only

\*\* Not for use with UL1971 Strobe

\*\*\* Diode Polarized (Current limiter supplied as standard).

†Strobe Only

††Beacon Only

### Technical Data: Thermal Suitability of Code-Master Strobe and Beacon Fixture.

#### Operating Temperatures

Ambient Temp.	Class I, Div. 1 and 2 Groups C & D		Class I, Div. 2 Groups A & B		Class II, Div. 1 & 2 Class III	
	Strobe	Beacon	Strobe	Beacon	Strobe	Beacon
40°C	T6	T6	T2B	450°C	T4A	T4A
55°C	T6	T5	T2B	450°C	T4A	T4A
65°C	T6	T5	T2A	450°C	T4	T4

**Operating Temperatures:** Represent the Maximum Internal Temperature for Class I, Div. 2 Locations and Maximum Surface Temperature for Class I, Div. 1 Locations, and Maximum Surface Temperature Under Dust Blanket for Class II, Div. 1.

"T" Number	T1	350	325	T2	T2A	TB	T2C	T2D	T3	T3A	T3B	T3	T4	T4A	T5	T6
Temp Range (°C)	351-450	326-350	301-325	281-300	261-280	231-260	216-230	201-215	181-200	166-180	161-165	136-160	121-135	101-120	86-100	85

**NOTE:** The maximum operating temperature of the fixture must not exceed the ignition temperature of the gas, vapor or dust to be encountered per NEC 500-5(e, f).



Class I, Div. 1 and 2, Groups C,D  
 Class I, Div. 2, Groups A,B  
 Class II, Div. 1 and 2  
 Groups E,F,G  
 Class III  
 NEMA 3R, 4X  
 UL and cUL Listed  
 Standards UL 1638 and UL1203  
 Suitable for Wet Locations  
 Marine Outside Type (Saltwater)

## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof



		Volts	Catalog Number* †
<b>Pendant</b> One Hub 3/4" NPT Rigid Conduit.	<b>Strobe</b>	120VAC	CSSP75120ACCL
		240VAC	CSSP75240ACCL
		250VDC	CSSP75250DCCL
		12-48VDC	CSSP751248DCCL
	24VDC	CSSP7524DCCL**	
	<b>Beacon</b>	120VAC	CSBP75120ACCL
		240VAC	CSBP75240ACCL
		24-28VDC	CSBP752428DCCL**



		Volts	Catalog Number* †
<b>Ceiling</b> Rigid Conduit Four Hubs 3/4" NPT Three Close-Up Plugs	<b>Strobe</b>	120VAC	CSSC75120ACCL
		240VAC	CSSC75240ACCL
		250VDC	CSSC75250DCCL
		12-48VDC	CSSC751248DCCL
	24VDC	CSSC7524DCCL**	
	<b>Beacon</b>	120VAC	CSBC75120ACCL
		240VAC	CSBC75240ACCL
		24-28VDC	CSBC752428DCCL**



		Volts	Catalog Number* †
<b>Wall Bracket</b> Rigid Conduit Four Hubs 3/4" NPT Three Close-Up Plugs	<b>Strobe</b>	120VAC	CSSB75120ACCL
		240VAC	CSSB75240ACCL
		250VDC	CSSB75250DCCL
		12-48VDC	CSSB751248DCCL
	24VDC	CSSB7524DCCL**	
	<b>Beacon</b>	120VAC	CSBB75120ACCL
		240VAC	CSBB75240ACCL
		24-28VDC	CSBB752428DCCL**

\* Catalog numbers shown are supplied with clear lens. Add G suffix for optional Guard.




\*\* Diode Polarized (Current limiter supplied as standard).



†To order colored lens replace last digits of catalog number CL with AM for Amber, BL for Blue, GR for Green, RE for Red.

# G2-28

Class I, Div. 1 and 2, Groups C,D  
 Class I, Div. 2, Groups A,B  
 Class II, Div. 1 and 2  
 Groups E,F,G  
 Class III  
 NEMA 3R, 4X  
 UL and cUL Listed  
 Standards UL 1638 and UL1203  
 Suitable for Wet Locations  
 Marine Outside Type (Saltwater)

## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Mounting Hoods, Fixture Units, Weights

Mounting Hoods:	Type Mounting	Hub Size (In.)	Hood Weight	Catalog Number
	<b>Pendant</b> One Hub Rigid Conduit	3/4	2 lbs.	<b>CAP75</b>
	<b>Ceiling</b> Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	4 lbs.	<b>CAC75</b>
	<b>Bracket</b> Four Hubs Three Close-Up Plugs Rigid Conduit	3/4	6 lbs.	<b>CALB75</b>


Fixture Unit Only: (not including mounting hood)	Volts	Unit Weight	Catalog Number*†
	<b>Strobe</b> 120VAC	10 lbs. 3 oz.	<b>CSST120ACCL</b>
	240VAC	10 lbs. 3 oz.	<b>CSST240ACCL</b>
	250VDC	10 lbs. 3 oz.	<b>CSST250DCCL</b>
	12-48VDC	10 lbs. 3 oz.	<b>CSST1248DCCL</b>
	24VDC	10 lbs. 3 oz.	<b>CSST24PDCCL**</b>
	<b>Beacon</b> 120VAC	10 lbs. 10 oz.	<b>CSB120ACCL</b>
	240VAC	10 lbs. 10 oz.	<b>CSB240ACCL</b>
	24-28VDC	10 lbs. 10 oz.	<b>CSB2428PDCCL**</b>


† To order colored lens replace last digits of catalog number CL with AM for Amber, BL for Blue, GR for Green, RE for Red.


Class I, Div. 1 and 2, Groups C,D  
 Class I, Div. 2, Groups A,B  
 Class II, Div. 1 and 2  
 Groups E,F,G  
 Class III  
 NEMA 3R, 4X  
 UL and cUL Listed  
 Standards UL 1638 and UL1203  
 Suitable for Wet Locations  
 Marine Outside Type (Saltwater)


## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof

### Strobes For The Hearing Impaired

Strobes:	Type Mounting	Volts	Hearing Impaired Catalog Number UL1971 - Hearing Impaired*
	<b>Pendant</b> One Hub 3/4" NPT Rigid Conduit	20-30VDC	CSSP752030DCCLP
	<b>Ceiling</b> Rigid Conduit, Four Hubs 3/4" NPT, Three Close-Up Plugs	20-30VDC	CSSC752030DCCLP
	<b>Bracket</b> Rigid Conduit, Four Hubs 3/4" NPT, Three Close-Up Plugs	20-30VDC	CSSB752030DCCLP


Mounting Hoods:	Type Mounting	Hub Size (Inches)	Hearing Impaired Catalog Number
	<b>Pendant</b> One Hub Rigid Conduit	3/4	CAP75-1971
	<b>Ceiling</b> Four Hubs Three Close-up Plugs Rigid Conduit	3/4	CAC75-1971
	<b>Bracket</b> Four Hubs Three Close-up Plugs	3/4	CALB75-1971


Fixture Unit Only: (less mounting hood)	Volts	Hearing Impaired Catalog Number
	20-30VDC	CSST2030PDCCL

Connection Block: (replacement part)	Hearing Impaired Catalog Number
	For Hearing Impaired Code-Master Fixtures VPT-7P

\* Only clear globes are available for UL1971 Applications.

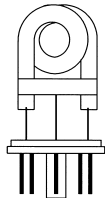
## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Accessories, Replacement Parts, Weights

	Description	Weight	Catalog Number
	<b>Optional Aluminum Guard</b> Copper-Free Aluminum.	1.0 lbs.	<b>CJGU-15</b>

	<b>Replacement Connection Block</b> For Non-Hearing Impaired Code-Master Fixtures.	0.5 lbs.	<b>VPT-7</b>
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### Replacement Lamps

For Strobe and Beacon Code-Master Fixtures.



S865



125-240AC

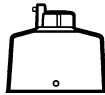


Q40A9-120AC  
Q20A-24VDC

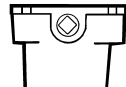
Fixture Type	Lamp Type	Voltage	Wattage	Base Type	Catalog Number
Beacon	Halogen	120VAC	40W	DBL Bayonet	<b>Q40A9-120AC</b>
Beacon	Halogen	24-28VDC	18W	DBL Bayonet	<b>Q20A-24VDC</b>
Beacon	Incand.	240VAC	25W	DBL Bayonet	<b>125-240AC</b>
Strobe	Xenon	All	—	Octal Socket	<b>S865</b>

## Code•Master™ Strobe and Beacon Factory Sealed Lighting Fixtures: Family Tree and Dimensions

**Pendant**  
One Hub  
—  
3/4" NPT  
**CAP75**  
CAP75-1971



**Ceiling**  
Four Hubs  
Three Close-Up Plugs  
3/4" NPT  
**CAC75**  
CAC75-1971



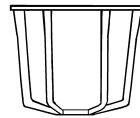
**Bracket**  
Four Hubs  
Three Close-Up Plugs  
3/4" NPT  
**CALB75**  
CALB75-1971



**Fixture Unit With Globe**

Strobe	120AC	<b>CSST120ACCL</b>
	240AC	<b>CSST240ACCL</b>
	12-48DC	<b>CSST1248DCCL</b>
	250DC	<b>CSST250DCCL</b>
	20-30DC	<b>CSST2030PDCCL*</b>
	24DC	<b>CSST24PDCCL**</b>
Beacon	120AC	<b>CSB120ACCL</b>
	240AC	<b>CSB240ACCL</b>
	24-28DC	<b>CSB2428PDCCL**</b>

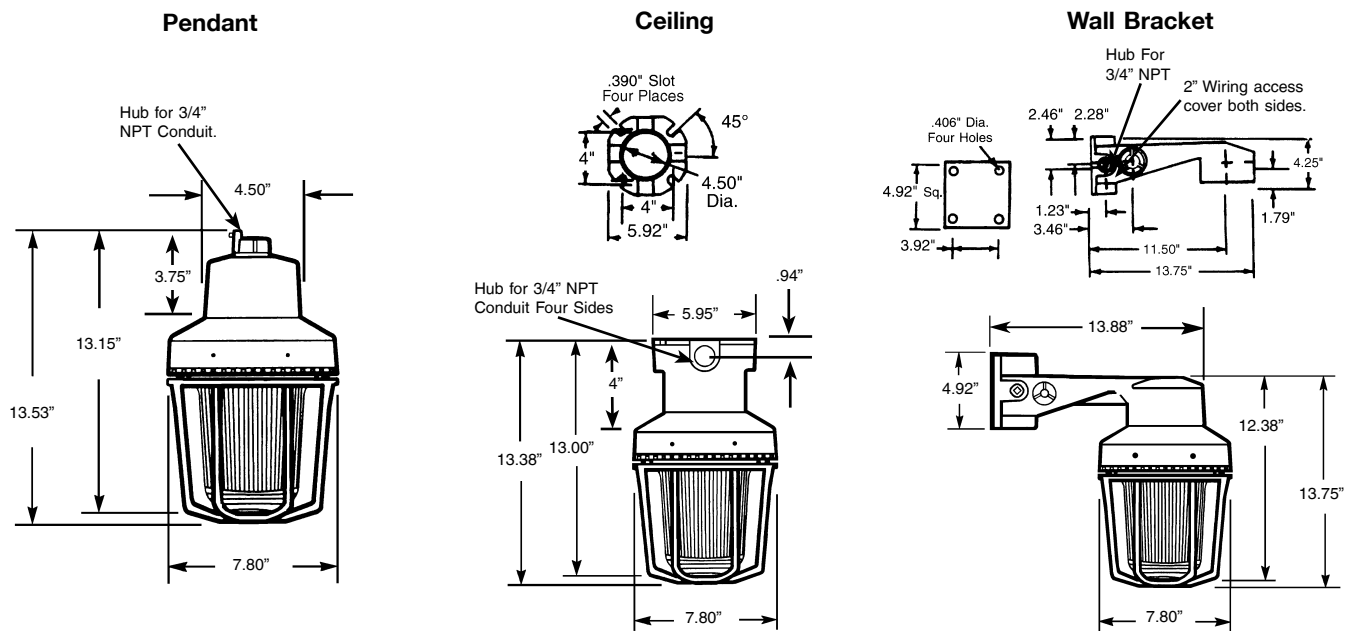
Optional Aluminum Guard  
**CJGU-15**



\* UL1971 (See page G2-25).

\*\* Diode Polarized (Current limiter supplied as standard).

### Dimensions:



# G2-32

UL and cUL Listed  
Class I, Div. 1, Groups C,D  
Class I, Zone 1, Group IIB  
Class II, Div. 1 and 2, Groups E,F,G  
Class III

UL 844  
UL 1598A  
NEMA 3R and 4X

## Applications

● Code•Master Incandescent Explosionproof Fixtures are designed to provide safe operation in the presence of hazardous gases, vapors, or dusts, defined by the National Electrical Code as Class I, Groups C and D, Class I, Zone 1, Group IIB and Class II, Groups E, F and G.

● For use in hazardous locations such as plants where plastics, paints, thinners and petrochemicals are manufactured.

● For use in chemical and petrochemical plants, such as manufacturers of plastics, paints, and thinners, in refineries, and in other areas where ignitable vapors, dust, moisture and corrosive elements may be present.

● Suitable for outdoor saltwater locations and for other wet locations.

## Features

● Fixtures operate safely in high ambient temperatures.

● Patented "wireless" design. Threading of fixture unit onto mounting hood makes electrical connection. The only wiring required is attaching two wires to connection block in mounting hood.

● Connection block is easily wired: (a) loosen two screws, (b) make wire connections, (c) re-position connection block.

● Safe, easy servicing without disconnecting any wiring. "Wireless" fixture unit threads off mounting hood for convenient servicing or for immediate replacement with a "stand-by" unit.

● Acme double-lead threads speed installation and fixture removal from mounting hood only half as many turns are required as for single-lead threads. The threads do not stick or gall, eliminating problems often encountered with single-lead threads during fixture unit removal.

● Strategic location of lamp socket, in combination with interior prism design of the glass globe, provides optimum light distribution and control.

● Heat-and impact-resistant globes have smooth dust-resistant exterior.

● Superior corrosion-resistance, with epoxy powder coat finish.

## Code•Master™ Incandescent Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof

For use with threaded metal conduit.



● Porcelain socket with nickel plated phosphor bronze screw shell. Assures long trouble-free operation in high ambient areas.

● Choice of mountings: pendant, ceiling, bracket and stanchion.

● Fiberglass reinforced polyester reflectors, in standard dome, or 30° angle styles, are ideal in installations where luminaire is subject to exceptionally severe corrosive atmospheres.

● All threaded joints are flame-tight.

● Heat and impact resistant globes have smooth dust-resistant exterior.

● Superior corrosion-resistance, with epoxy powder coat finish.

● Optional guards protect globes from damage. Secured to fixture with three stainless steel screws.

## Standard Materials

● *Fixture housing and guards:* copper-free aluminum (less than 4/10 of 1% maximum copper content).

● *Mounting hoods:* copper-free aluminum (less than 4/10 of 1%).

● *Globes:* Prismatic Glass.

● *Reflectors:* fiberglass reinforced polyester.

## Standard Finishes

● Fixture housing, guards and mounting hoods: Epoxy power coat finish, electrostatically applied for complete, uniform corrosion protection.

## Compliances

● UL and cUL Listed.

● Class I, Div. 1, Groups C and D.

● Class I, Zone 1, Group IIB.

● Class II, Div. 1 and 2, Groups E, F, and G.

● Class III.

● UL 844 Hazardous Locations

● UL 1598A Marine Type Electric Fixtures Outside Type (Salt Water) Outdoor Wet Locations

● NEMA 3R and 4X



## Code•Master™ Incandescent Factory Sealed Lighting Fixtures: Explosionproof, Dust-Ignitionproof

For use with threaded metal conduit.

### Ordering Information:

Order using catalog numbering guide below or select catalog number from pages G2-34.

### CATALOG NUMBERING GUIDE FOR CODE-MASTER INCANDESCENT LUMINAIRES

<u>CI</u>	<u>P</u>	<u>30</u>	<u>75</u>	<u>G</u>
<b>SERIES:</b>	<b>MOUNTING HOOD:</b>	<b>WATTAGE:</b>	<b>HUB SIZE:</b>	<b>OPTIONS:</b>
CI – Code•Master Incandescent	P – Pendant B – Wall Bracket C – Ceiling S – Stanchion	30 – 100W A21 200W A23 300W PS25	75 – 3/4” 100 – 1” 150 – 1-1/4” or 1-1/2”	G – Guard Blank – No Guard

### Technical Data: Thermal Suitability of Code-Master Incandescent Fixture.

Lamp Type	Lamp Watts (Max.)	Use Wire Supply	Ambient Temperature	Class I, Division 1, Groups C & D	Class II, Division 1, Groups E, F & G
Incandescent (A21)	100	75°C	40°C	T5	T3C
Incandescent (A23)	200	75°C	40°C	T4	T3C
Incandescent (PS25)	300	75°C	40°C	T3C	T3C

### “T” Numbers Represent the Maximum External Temperature for Class I, Div. 1 Locations and Maximum Surface Temperature Under Dust Blanket for Class II, Div. 1 Locations.

“T” Number	T1	350	325	T2	T2A	T2	T2C	T2D	T3	T3A	T3B	T3	T4	T4A	T5	T6
Temp Range (C°)	351-450	326-350	301-325	281-300	261-280	231-260	216-230	201-215	181-200	166-180	161-165	136-160	121-135	101-120	86-100	85

**NOTE:**

The maximum operating temperature of the fixture must not exceed the ignition temperature of the gas, vapor or dust to be encountered per NEC 500-5(e, f).





# G2-34

UL and cUL Listed  
 Class I, Div. 1, Groups C,D  
 Class I, Zone 1, Group IIB  
 Class II, Div. 1 and 2, Groups E,F,G  
 Class III





UL 844  
 UL 1598A  
 NEMA 3R and 4X

## Code•Master™ Incandescent Factory Sealed Lighting Fixtures: Fixtures, Mounting Hoods

For use with threaded metal conduit.

		Hub Size (In.)	Catalog Number *
	<b>Pendant</b>		
	One Hub	3/4	CIP3075
	Rigid Conduit.	1	CIP30100 †
	<b>Ceiling</b>		
	Rigid Conduit	3/4	CIC3075
	Four Hubs	1	CIC30100 †
	Three Close-Up Plugs		
	<b>Wall Bracket</b>		
	Rigid Conduit	3/4	CIB3075
	Four Hubs	1	CIB30100 †
	Three Close-Up Plugs		
	<b>25° Stanchion</b>		
One Hub	1-1/2 ♦	CIS30150	

\* Catalog numbers shown are supplied with clear lens. Add suffix **G** for optional Guard.

Mounting Hoods:	Type Mounting	Hub Size (In.)	Hood Weight	Catalog Number
	<b>Pendant</b>	3/4	2 lbs.	CAP75
	One Hub	1	2 lbs.	CAP100 †
	Rigid Conduit			
	<b>Ceiling</b>	3/4	4 lbs.	CAC75
	Four Hubs	1	4 lbs.	CAC100 †
	Three Close-Up Plugs			
	Rigid Conduit			
	<b>Bracket</b>	3/4	6 lbs.	CALB75
	Four Hubs	1	6 lbs.	CALB100 †
	Three Close-Up Plugs			
	Rigid Conduit			
	<b>25° Stanchion</b>			
One Hub	1-1/4 or 1-1/2 ♦	CAS-150 ♦		

♦ 1-1/2" Tapped hub furnished with 1-1/2" to 1-1/4" reducer.

† 1" Hubs are listed for Group D only.

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 www.appletonelec.com

UL and cUL Listed  
 Class I, Div. 1, Groups C,D  
 Class I, Zone 1, Group IIB  
 Class II, Div. 1 and 2, Groups E,F,G  
 Class III

UL 844  
 UL 1598A  
 NEMA 3R and 4X

## Code•Master™ Incandescent Factory Sealed Lighting Fixtures: Fixture Unit, Accessories, Replacement Parts, Weights






For use with threaded metal conduit.

Fixture Unit Only: (not including mounting hood)

Catalog Number



CJNC30I

Accessories	Description	Weight	Catalog Number
	<b>Optional White Polyester Reflector</b> Standard Dome	2.5 lbs.	KR2-ST
	<b>Optional White Polyester Reflector</b> Angled Reflector	2.5 lbs.	KR2-AN
	<b>Optional Aluminum Guard</b> Copper-Free Aluminum.	0.5 lbs.	CJGU-15
	<b>Optional Three Way Exit Sign</b>		CJEXRN
	<b>Replacement Connection Block</b>	0.5 lbs.	VPT-7

### Fixture and Accessory Weights

Fixture	Fixture Weight	Reflector Weight	Guard Weight
	11 lbs.	3 lbs.	1 lb.

Mounting Hood	Pendant	Ceiling	Bracket	Stanchion
	2 lbs.	4 lbs.	6 lbs.	2 lbs.

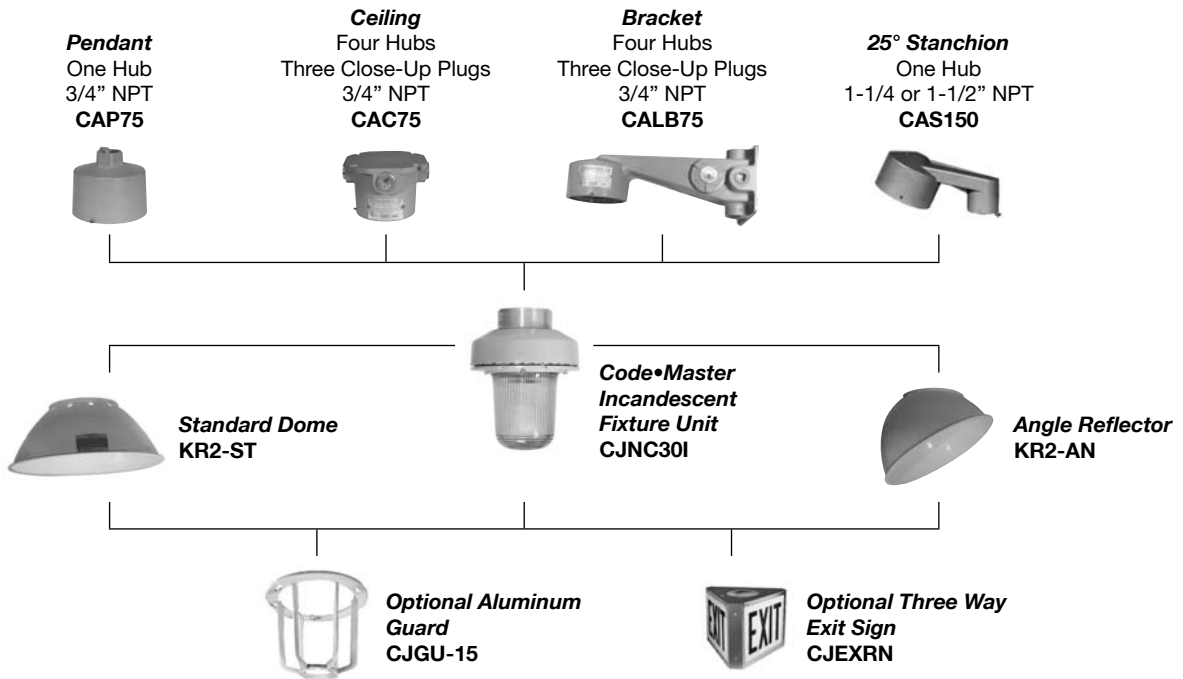
# G2-36

UL and cUL Listed  
 Class I, Div. 1, Groups C,D  
 Class I, Zone 1, Group IIB  
 Class II, Div. 1 and 2, Groups E,F,G  
 Class III

UL 844  
 UL 1598A  
 NEMA 3R and 4X

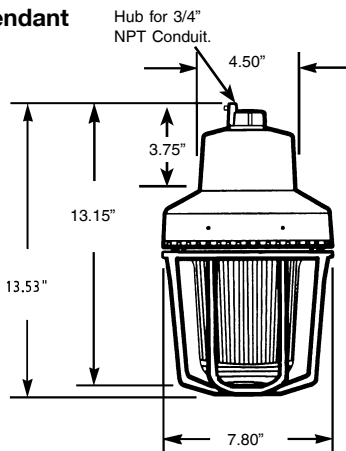
## Code•Master™ Incandescent Factory Sealed Lighting Fixtures: Family Tree, Dimensions

For use with threaded metal conduit.

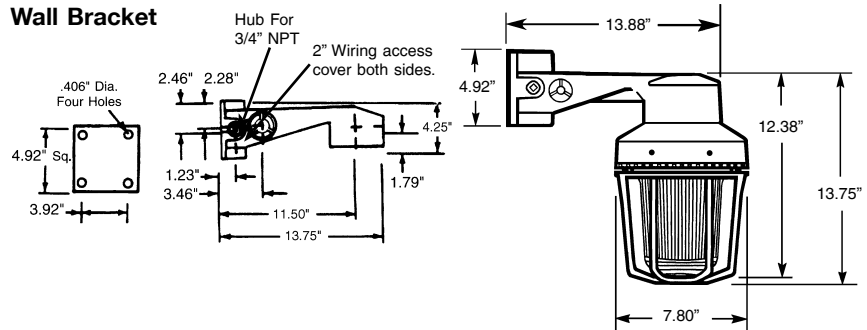


### Dimensions:

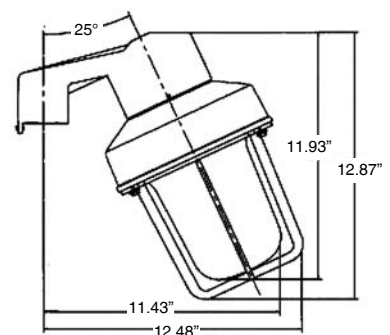
#### Pendant



#### Wall Bracket



#### 25° Stanchion



#### Ceiling

