







Incandescent Lighting: Enclosed and Gasketed

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Stylmaster™ Enclosed and Gasketed Incandescent Lighting Fixtures

Attractively Styled Fixture with Prismatic Globe.
UNILETS® for Use with Threaded Metal Conduit.

Applications

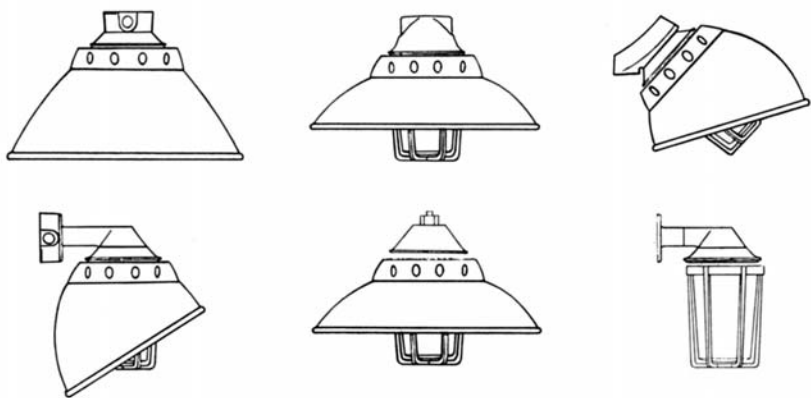
- Enclosed and gasketed lighting fixtures for use in storage areas, tunnels, subways, chemical plants and other areas where moisture, dirt or corrosive atmospheres are a problem.
- Suitable for use in wet locations.
- Standard fixtures designed for 60 to 300-watt medium base incandescent lamps.
- Pendant, feed-thru, ceiling, station and wall mount.
- Ventilated steel reflectors with white porcelain finish for standard applications and fiberglass reinforced polyester reflectors for installations where fixture is subject to severe corrosive conditions or vandalism.

Features

- Modern styling, with clean-line mounting hood and prismatic glass globe, plus optional guard.
- Prismatic globe, furnished as standard, eliminates glare and distributes light evenly. See "Options" for other globes available.
- Globe seats firmly against composition gasket in mounting hood to keep out dirt and moisture. Full threads eliminate "cross threading."
- Fixture is complete with gaskets and socket. Socket is shock-absorbing to prolong lamp life—easily removed for wiring without tools.
- Porcelain socket construction assures long trouble-free operation in high ambient installations.
- Both porcelain steel and polyester reflectors are secured to mounting hoods with screws (furnished).
- Guards have exclusive snap-on attachment feature for quick installation, fast servicing.
- Choice of reflector styles: (1) steel reflector with white porcelain enamel in standard dome and 30° angle and (2) fiberglass reinforced polyester reflector in standard dome and 30° angle.

Standard Materials

- *Mounting hoods:* copper-free aluminum.



- *Guards:* pressure-cast copper-free aluminum.
- *Reflectors:* porcelain steel or fiberglass reinforced polyester.

- *Socket:* porcelain with brass screw shell.
- *Globes:* prismatic glass. See "Operations" for other types available.

Stylmaster™ Enclosed and Gasketed Incandescent Lighting Fixtures

Attractively Styled Fixture with Prismatic Globe.
UNILETS® for Use with Threaded Metal Conduit.

Standard Finishes

- *Mounting hoods:* epoxy powder coat.
- *Aluminum guards:* epoxy powder coat.
- *Steel reflectors:* baked white porcelain enamel.
- *Fiberglass reinforced polyester reflectors:* natural finish.
- *Socket and globes:* natural finish.

Options

- To order fixture with other than standard clear glass globe, add suffix letters to catalog number as indicated in table, and adjust difference in price.

Color	Glass Globe	Plastic Globe
Amber	-AM	-PAM
Blue	-BL	-PBL
Green	-GR	-PGR
Red	-RE	-PRE
Clear Heat-Resistant	-HR	---

Compliances

- UL Standard 1598.
- UL Standard 844 for Class I, Div. 2 fixtures.

Reference Data

- For additional data on lamp and lighting fixture selection, see general introduction to catalog. For Stylmaster fixtures designed for use with HID lamps, see Cat. Sec. F1.



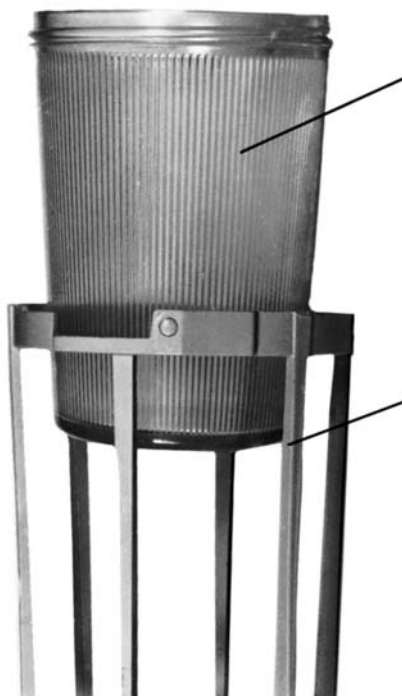
Mounting Hood

Pendant style shown has setscrew to prevent fixture stem from turning. Other styles include stanchion, ceiling and wall mounting.



Shock-Absorbing Medium Base Socket

Spring absorbs vibration to prolong lamp life. Porcelain construction for trouble-free operation in high ambient installations.



Globe

Attractive, tapered prismatic glass globes for glare elimination and uniform light distribution. Colors available—also vandal-resistant plastic globes. Globe seats firmly against gasket to exclude moisture, dirt and vapors.

Guard

Snap-on guards (and reflectors)—simply snap-in and twist. Spring action balls snap into detents of fixture body.

F2-4

Technical Data: Thermal Suitability of Stylmaster and V-51 Fixtures

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

Fixture is suitable for Class I, Div. 2 where the fixture operating temperature does not exceed the ignition temperature of the atmosphere in which fixture is installed.

"T" Numbers Represent the Maximum Lamp Temperature for Class I, Div. 2 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

Supply Wire— Stylmaster— 200°C and V51— 125°C

Stylmaster



Reflector	VPGL-1HR (60-200W)			VPGL-2HR (200-300W)				
	A-19 100W	A-21 150W	A-23 200W	A-23 200W	PS-25 200W	PS-30 200W	PS-25 300W	PS-30 300W
None	T3	T2D	T2C	T2C	T2C	T2C	325	325
Standard Dome	T2D	T2D	T2B	T2B	T2B	T2C	325	325
30° Angle	T2D	T2C	T2B	T2B	T2B	T2B	325	325

V-51



Reflector	60-150W		200-300W	
	A-21 100W	PS-25 150W	PS-30 200W	PS-30 300W
None	T3	T2D	T2C	325
Standard Dome	T2D	T2C	T2B	325
30° Angle	T2C	T2C	T2B	325

Fixture Ambient Suitability:






Non-Classified Areas
Stylmaster 200°C(392°F); V-51 75°C(167°F)

Classified Areas
Stylmaster 40°C; V-51 40°C(104°F)

Class I, Div. 2
Groups A,B,C,D
UL 1598
UL 844

Stylmaster™ Enclosed and Gasketed Incandescent Fixtures: Pendant, Feed-Thru, and Ceiling

Suitable for Use in Wet Locations.
With Aluminum Mounting Hood and Prismatic Glass Globe.†

		Size (Inches)	Catalog Number	
			With Globe and Guard	With Globe Only
		Pendant 3/4" tapped opening. Furnished with 3/4" to 1/2" reducer.		
		60-200 Watt A-23 1/2 or 3/4	VPA1075G	VPA1075
		200-300 Watt PS-30 1/2 or 3/4	VPA2075G	VPA2075
		Feed-Thru With one close-up plug		
		60-200 Watt A-23 1/2 3/4	VPC1050G VPC1075G	VPC1050 VPC1075
		200-300 Watt PS-30 1/2 3/4	VPC2050G VPC2075G	VPC2050 VPC2075
		Ceiling—Five Tapped Openings With mounting lugs and four close-up plugs.		
		60-200 Watt A-23 1/2 3/4	VPX1050G VPX1075G	VPX1050 VPX1075
		200-300 Watt PS-30 1/2 3/4	VPX2050G VPX2075G	VPX2050 VPX2075

† Order reflectors and accessories separately. See pages F2-7, F2-8 and F2-9.





F2-6

Class I, Div. 2
Groups A,B,C,D

UL 1598
UL 844

Stylmaster™ Enclosed and Gasketed Incandescent Fixtures: Stanchion, Wall and Outlet Box









Suitable for Use in Wet Locations.
With Aluminum Mounting Hood and Prismatic Glass Globe.†

		Size (Inches)	Catalog Number	
			With Globe and Guard	With Globe Only
45° Stanchion—1-1/4" Conduit				
	60-200 Watt A-23 1-1/4		VPAN10125G	VPAN10125
	200-300 Watt PS-30 1-1/4		VPAN20125G	VPAN20125
Wall—Body includes outlet box with five tapped openings With mounting lugs and four close-up plugs				
	60-200 Watt A-23 1/2 3/4		VPWB1050G VPWB1075G	VPWB1050 VPWB1075
	200-300 Watt PS-30 1/2 3/4		VPWB2050G VPWB2075G	VPWB2050 VPWB2075
Ceiling—Outlet Box Mounting (Octagonal outlet boxes for non-classified areas only) Fits SEH or VPJB cast outlet box or 4" octagonal outlet box. Furnished with screws and gasket.‡				
	60-200 Watt A-23		VPOB10G	VPOB10
	200-300 Watt PS-30		VPOB20G	VPOB20
Wall—Outlet Box Mounting (Octagonal outlet boxes for non-classified area only) Fits SEH or VPJB cast outlet box or 4" octagonal outlet box. Furnished with screws and gasket.‡				
	60-200 Watt A-23		VPOBW10G	VPOBW10
	200-300 Watt PS-30		VPOBW20G	VPOBW20

† Order reflectors and accessories separately. See pages F2-7, F2-8 and F2-9. ‡ Order SEH box from Cat. Sec. A, 4" octagonal steel boxes from Sec. OB and VPJB cast box from this catalog section.

Stylmaster™ Incandescent Fixtures: Mounting Hoods and Cast Outlet Boxes

Suitable for Use in Wet Locations.
Aluminum Mounting Hoods and Outlet Boxes.









	Size (Inches)	Catalog Number Copper-Free Aluminum
	Pendant Furnished with setscrew, 3/4" to 1/2" reducer for 1/2" stem, medium base socket.	VPA75
	Feed-Thru One close-up plug 1/2 3/4	VPC50 VPC75
	Ceiling—Five Tapped Openings Four close-up plugs 1/2 3/4	VPX50 VPX75
	45° Stanchion 1-1/4	VPAN125
	Wall—Five Tapped Openings in Outlet Box* Four close-up plugs 1/2 3/4	VPWB50 VPWB75
	Cast Outlet Box Only— Five Tapped Openings Four Close-Up Plugs. No Socket. Fits VPOB, VPOBW, and VPWB. 1/2 3/4	VPJB50 VPJB75
	Ceiling—For Outlet Box (Octagonal outlet boxes for non- classified areas only) Fits SEH or VPJB cast outlet box or 4" octagonal outlet box. With screws and gasket.	VPOB1
	Wall—For Outlet Box* (Octagonal outlet boxes for non- classified areas only) Fits SEH or VPJB cast outlet box or 4" octagonal outlet box. With screws and gasket.	VPOBW1

* Use 30° angle reflectors for wall installations—center line of fixture must be located at least 5-3/4" away from wall. Has four 3/16" Dia. mounting holes located 90° apart on a 3-1/2" Dia. center.

Globes, Guards and Parts for Stylmaster™ Incandescent Lighting Fixtures



Suitable for Use in Wet Locations.

Prismatic Glass Globes, Polycarbonate Globes and Aluminum Guards.

		Description	Color	Catalog Number	
				Glass	Polycarbonate*
 Glass Globe VPGL-1HR	 Polycarbonate Globe VPGL-2PL	Glass and Polycarbonate* Globes 60-200 Watt A-23	Clear	—	VPGL-2PL
			Clear Heat-Resistant	VPGL-1HR	—
Amber	VPGL-1AM		VPGL-2AMPL		
Blue	VPGL-1BL		VPGL-2BLPL		
Green	VPGL-1GR		VPGL-2GRPL		
Red	VPGL-1RE		VPGL-2REPL		
 Glass Globe VPGL-2HR		Glass Globes 200-300 Watt PS-30	Clear	—	—
			Clear Heat-Resistant	VPGL-2HR	—
			Amber	VPGL-2AM	—
			Blue	VPGL-2BL	—
			Green	VPGL-2GR	—
 Coated Glass Globe VPGL-2HRT		Coated Tuff-Skin®† Glass Globes Contains globe safely even if glass is broken	Heat-Resistant	VPGL-2HRT	—
 Guard VPGU-1	 Guard VPGU-2	Copper-Free Aluminum Guards 60-200 Watt A-23 200-300 Watt PS-30		VPGU-1	—
				VPGU-2	—
 Medium Base VPLR-123	 Globe Gasket VPGL-GK	Replacement Porcelain Shock-Absorbing Sockets 60-200 Watt A-23 Medium Base and 200-300 Watt PS-30 Medium Base		VPLR-123	—
		Replacement Gasket for Globes Neoprene—for all Stylmaster globes		VPGL-GK	—

*Shatter-resistant for use in food processing plants, canneries, dairies, breweries, bakeries or anywhere broken glass would prove a hazard. Ideally suited for areas where vandalism, high replacement and maintenance costs are a problem. CAUTION: Use maximum 200W lamp less reflector, 100 watt max. with reflector or colored globe. Do not use in ambients exceeding 25°C. For burning in vertical base up position only. †Registered trademark of Thomas Manufacturing Corporation, Parkton, Md.

Porcelain and Polyester Reflectors for Stylmaster™ Incandescent Lighting Fixtures and Fixture Weights

Description	Catalog Number	
	Porcelain Steel	Polyester
 <p>Porcelain Steel and Polyester Reflectors</p> <p>Standard Dome</p>	LPR-25ST	LPRP-25ST
 <p>30° Angle</p>	LPR-25AN	LPRP-25AN

Fixture and Accessory Weights of Stylmaster™ and V-51®.

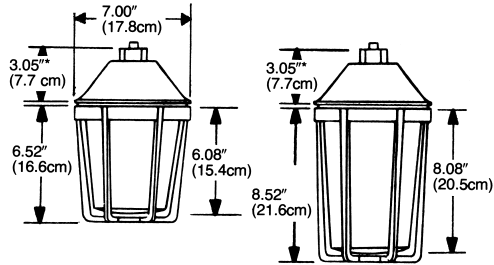
Fixture	Typical Mounting Hoods									
	Pendant	Lbs.†	Feed-Thru	Lbs.†	Ceiling	Lbs.†	Wall	Lbs.†	Stanchion	Lbs.†
Stylmaster	VPA75	2	VPC75	2	VPX75	2	VPOBW10	3	VPAN-125	3
V-51	VA75	2	VC75	3	VXHA75	4	VGA75	4	VMAN-125	2

Fixture	Type	Globes and Guards				Reflectors			
		Globe	Lbs.†	Guard	Lbs.†	Standard Dome	Lbs.†	30° Angle	Lbs.†
Stylmaster	60-200W	VPGL-1	2	VPGU-1	1	LPR-25ST	3	LPR-25AN	2
	200-300W	VPGL-2	3	VPGU-2	1	LPRP-25ST	2	LPRP-25AN	2
V-51	60-150W	VGL-1CL	1	VGU-1*	1	VRW-1ST	3	VRW-1AN	2
	150-300W	VGL-2CL	2	VGU-2*	1	VRW-2ST	3	VRW-2AN	3

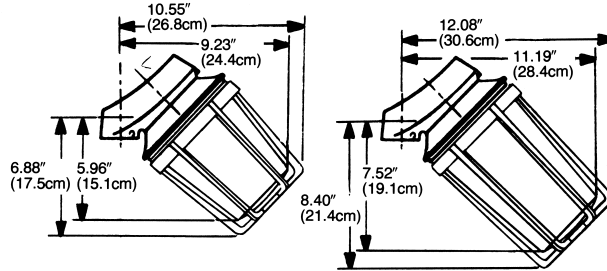
† For weights in kilograms multiply number of lbs. by .4536. *VWG-1 and VWG-2 Steel Guards weigh 1 lb.

F2-10

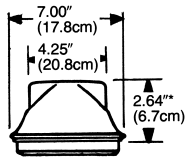
Dimensions: Stylmaster™ Incandescent Lighting Fixtures



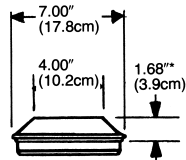
Pendant Mount



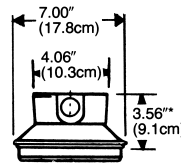
45° Stanchion Mount



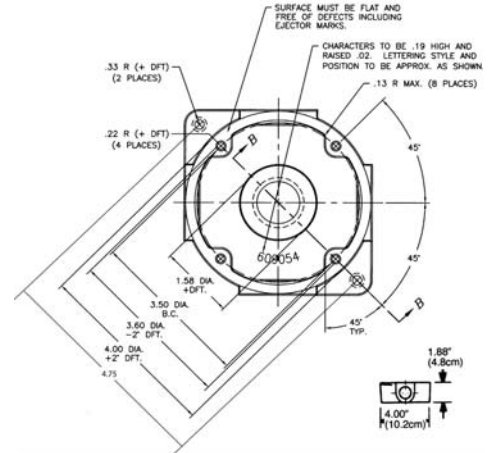
Feed-Thru Mount



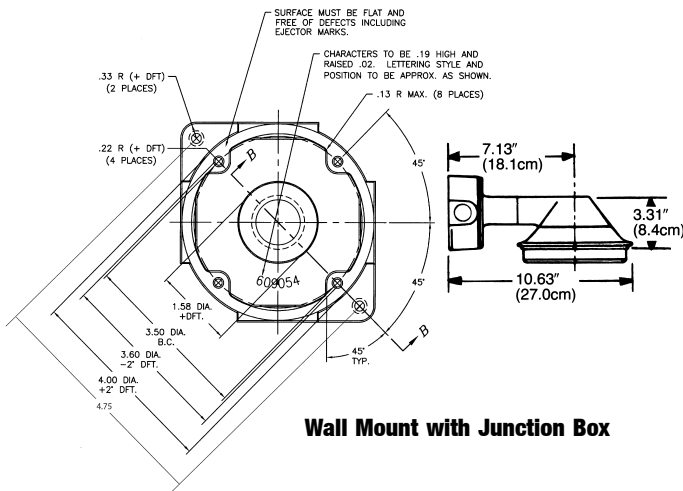
Ceiling Outlet Box Mount



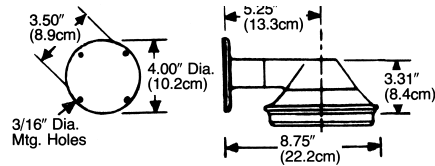
Ceiling Mount with Junction Box



Junction Box Mounting Body



Wall Mount with Junction Box



Wall Outlet Box Mount

* Height of hood is measured to bottom of flange. Height of globe and guard is from bottom of flange. ◊Dimensions of angle are from center of pipe. Height is measured from pipe stop in stanchion hood.

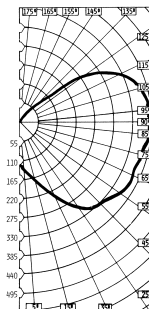
Photometric Data: Stylmaster™ Incandescent Lighting Fixtures

Coefficients of Utilization—Zonal Cavity Method

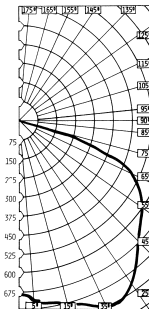
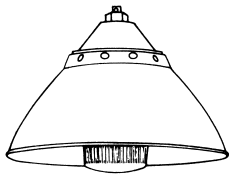
Photometric data shown on this page is based on a 200 Watt A-23 lamp and is representative of the performance for all Stylmaster incandescent fixtures. For candlepower values of fixtures with other lamps, multiply the given candlepower

values by the following multipliers: 75 Watt—A19 X .31; 100 Watt—A19 X .45; 150 Watt—A21 X .75; 300 Watt—PS25 X 1.65. For candlepower values with guard multiply by .90.

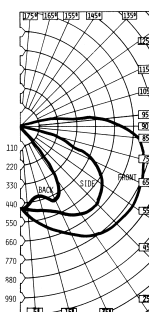
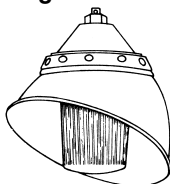
Without Reflector



Standard Dome



30° Angle



Effective Floor Cavity Reflectance (Rfc) is 20%

% Ceiling Rcc	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	.739	.689	.645	.684	.640	.598	.583	.548	.517	.489	.464	.439	.404	.384	.365	.322
	2	.618	.548	.489	.572	.509	.456	.484	.435	.391	.403	.365	.331	.329	.299	.273	.234
	3	.527	.449	.386	.487	.416	.360	.411	.355	.308	.340	.297	.259	.275	.240	.210	.176
	4	.460	.378	.316	.425	.351	.294	.358	.299	.253	.297	.250	.212	.239	.202	.172	.140
	5	.398	.319	.258	.370	.296	.240	.313	.252	.206	.258	.209	.172	.208	.169	.138	.110
	6	.353	.273	.216	.325	.253	.199	.274	.215	.170	.227	.178	.141	.183	.143	.112	.087
	7	.312	.234	.181	.288	.216	.167	.242	.183	.141	.199	.152	.116	.161	.122	.092	.069
	8	.279	.204	.152	.257	.189	.142	.217	.161	.120	.180	.133	.099	.144	.106	.077	.056
	9	.251	.179	.130	.232	.166	.121	.196	.141	.102	.162	.116	.083	.130	.092	.065	.045
	10	.226	.157	.112	.208	.146	.104	.177	.124	.087	.146	.102	.070	.118	.081	.054	.037

Effective Floor Cavity Reflectance (Rfc) is 20%

% Ceiling Rcc	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	.777	.747	.719	.759	.731	.706	.724	.701	.681	.693	.676	.658	.666	.650	.636	.620
	2	.679	.631	.589	.665	.620	.583	.636	.599	.566	.610	.580	.552	.587	.561	.537	.521
	3	.593	.534	.486	.581	.525	.481	.557	.510	.471	.535	.495	.461	.514	.480	.451	.435
	4	.523	.459	.409	.513	.453	.405	.492	.440	.398	.473	.428	.391	.456	.416	.384	.367
	5	.459	.391	.340	.449	.385	.337	.433	.376	.334	.416	.366	.328	.401	.358	.323	.307
	6	.406	.337	.289	.397	.333	.285	.382	.325	.282	.368	.317	.278	.356	.310	.274	.259
	7	.359	.291	.246	.352	.287	.242	.339	.279	.238	.326	.274	.235	.316	.269	.232	.217
	8	.323	.257	.211	.316	.254	.210	.305	.248	.208	.295	.243	.205	.284	.238	.203	.188
	9	.291	.227	.182	.286	.223	.182	.275	.219	.180	.266	.214	.178	.257	.210	.175	.161
	10	.262	.200	.159	.257	.199	.159	.249	.194	.157	.240	.190	.154	.234	.187	.152	.140

V-51® Enclosed and Gasketed Incandescent Lighting Fixtures

UNILETS® for Use with Threaded Metal Conduit.

Applications

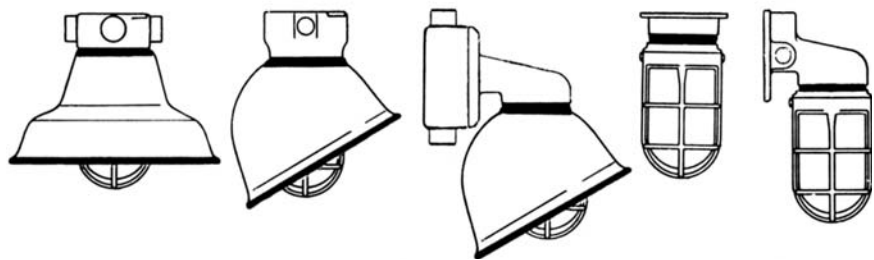
- Enclosed and gasketed lighting fixtures for use in storage areas, tunnels, subways, chemical plants and other areas where moisture, dirt or corrosive atmospheres are a problem.
- Suitable for use in wet locations.
- Standard fixtures designed for 60 to 300-watt medium base incandescent lamps.
- Available in pendant, 45° stanchion, and in a variety of ceiling and wall mountings.

Features

- Furnished with connection block for easy wiring.
- Unitized construction reduces installation and maintenance costs.
- Shock-absorbing porcelain socket for longer lamp life.
- Neoprene rubber ring in neck of reflector snaps into groove of mounting hood—protects against vibration and chipping.
- Guard snaps into two recesses of adapter—no clamps or setscrews.
- Available in three standard fixtures: (1) V-51® malleable iron mounting hood with aluminum adapter and guard; (2) all malleable iron (steel guard); (3) all aluminum.

Standard Materials

- *Standard V-51® fixtures:* malleable iron mounting hood with copper-free aluminum adapter and guard.
- *Standard all malleable fixtures:* malleable iron mounting hood and adapter with steel guard.
- *Standard all aluminum fixtures:* copper-free aluminum mounting hood, adapter and guard.
- *Mounting hoods:* malleable iron or copper-free aluminum.
- *Globe adapters:* malleable iron or pressure cast copper-free aluminum.
- *Socket:* porcelain with brass screw shell.
- *Globes:* glass. Optional globes in polycarbonate plastic.
- *Guards:* steel or pressure cast copper-free aluminum.
- *Reflectors:* porcelain enamel steel.



Standard Finishes

- *Standard V-51® fixtures:* mounting hood, triple-coat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat. Adapter and guard, epoxy powder coat.
- *Standard all malleable fixtures:* mounting hood and adapter, triple-

coat— (1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat. Steel guard, zinc electroplate.

- *Standard all aluminum fixtures:* epoxy powder coat.

V-51® Enclosed and Gasketed Incandescent Lighting Fixtures

UNILETS® for Use with Threaded Metal Conduit.

- *Malleable mounting hoods:* triple-coat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Malleable globe adapters:* triple-coat—(1) zinc electroplate, (2) dichromate, and (3) epoxy powder coat.
- *Steel guard:* zinc electroplate.
- *Aluminum mounting hoods:* epoxy powder coat.
- *Aluminum globe adapters:* epoxy powder coat.
- *Aluminum guard:* epoxy powder coat.
- *Steel reflectors:* white porcelain enamel.
- *Socket and globes:* natural finish.

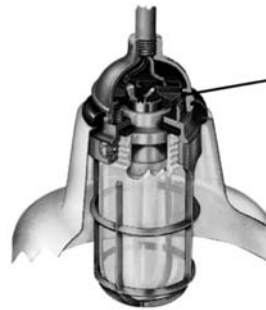
Options

- To order fixture with other than standard clear glass globe, add suffix letters to catalog number as indicated in table below, and adjust difference in price:

Color	Glass Globe Suffix	Plastic Globe Suffix
Amber	-AM	-PAM
Blue	-BL	-PBL
Green	-GR	-PGR
Opal	-OP	----
Red	-RE	-PRE
Clear		
(Heat-Resistant)	-HR	---

Compliances

- UL Standard 1598.
- UL Standard 844 for Class I, Division 2 fixtures.
- 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.



Cut-Away View

Connection block is easily removed (loosen two screws) to permit quick wiring.



Mounting Hood

Available in pendant (shown), ceiling, wall and 45° stanchion. Pendant has setscrew to prevent fixture from turning on stem.

Neoprene Ring

Neoprene attachment ring secures reflector to mounting hood—no tools needed.

Globe Adapter

When adapter is threaded onto mounting hood, the socket makes electrical contact with connection block in mounting hood. Available in malleable iron (VAD-1M and VAD-2M) or aluminum (VAD-1 and VAD-2).

Porcelain Enamel Reflectors

Standard and 30° Angle.



Guard

Two sealed ball plunger units snap quickly, easily and securely into cavities of globe adapter. Guard can be used with or without a reflector.









F2-14

Class I, Div. 2
Groups A,B,C,D

UL 1598
UL 844

V-51® Enclosed and Gasketed Incandescent Fixtures






All Fixtures Suitable for Use in Wet Locations.**

V-51	All Malleable	Size (Inches)	V-51 With Guard*	Catalog Number*			
				All Malleable With Guard*	All Aluminum With Guard*		
Pendant							
		60-150 Watt A21					
		1/2	VA1050G	VA1050G-M	VA1050G-A		
		3/4	VA1075G	VA1075G-M	VA1075G-A		
		1	VA1100G	VA1100G-M	—		
		1-1/4	VA1125G	VA1125G-M	—		
		150-300 Watt PS30					
		1/2	VA2050G	VA2050G-M	VA2050G-A		
		3/4	VA2075G	VA2075G-M	VA2075G-A		
		1	VA2100G	VA2100G-M	—		
		1-1/4	VA2125G	VA2125G-M	—		
Ceiling—Five Tapped Openings Four close-up plugs.							
		60-150 Watt A21					
		1/2	VXHA1050G	VXHA1050G-M	VXHA1050G-A		
		3/4	VXHA1075G	VXHA1075G-M	VXHA1075G-A		
		1	VXHA1100G	VXHA1100G-M	VXHA10100G-A		
		150-300 Watt PS30					
		1/2	VXHA2050G	VXHA2050G-M	VXHA2050G-A		
		3/4	VXHA2075G	VXHA2075G-M	VXHA2075G-A		
		1	VXHA2100G	VXHA2100G-M	VXHA20100G-A		
		Wall—JB Box Mounting† Fits JB cast box. Order box from Cat. Sec. A. Screws and gasket furnished with fixture.					
				60-150 Watt A21	JBW10G	JBW10G-M	JBW10G-A
150-300 Watt PS30	JBW20G			JBW20G-M	JBW20G-A		
Ceiling—JB Box Mounting Fits JB cast outlet box. Order box from Cat. Sec. A. Screws and gasket furnished with fixture.							
				60-150 Watt A21	JB10G	JB10G-M	JB10G-A
		150-300 Watt PS30	JB20G	JB20G-M	JB20G-A		

* See page F2-4 for temperature limits on individual V-51 fixtures. To order fixtures without guards, omit G suffix from catalog number. Order reflectors and accessories separately (page F2-20). † 30° Angle reflector adaptable for 100 Watt fixture only, when mounted at least 4-1/2" from wall. **With heat-resistant glass globes or plastic globes.

V-51® Enclosed and Gasketed Incandescent Fixtures

All Fixtures Suitable for Use in Wet Locations.**

	Size (Inches)	V-51 with Guard*	Catalog Number* All Aluminum With Guard*
	Feed-Thru		
	60-150 Watt A21		
	1/2	VC1050G	VC1050G-A
	3/4	VC1075G	VC1075G-A
	150-300 Watt PS30		
	1/2	VC2050G	VC2050G-A
3/4	VC2075G	VC2075G-A	
	Ceiling—Three Hubs		
	60-150 Watt A21		
	1/2	VT1050G	—
	3/4	VT1075G	—
	150-300 Watt PS30		
	1/2	VT2050G	—
3/4	VT2075G	—	
	Outlet Box Mounting		
	For SEH cast outlet box (Sec. A) or 3-1/4" or 4" octagonal outlet box (Sec. OB). Gasket and adapter plate furnished with fixture.		
	60-150 Watt A21	OBV10G	OBV10G-A
150-300 Watt PS30	OBV20G	OBV20G-A	
	Ceiling—Four Hubs		
	60-150 Watt A21		
	1/2	VX1050G	—
	3/4	VX1075G	—
	150-300 Watt PS30		
	1/2	VX2050G	—
3/4	VX2075G	—	
	Ceiling—Single Hub		
	60-150 Watt A21		
	1/2	V1050G	V1050G-A
	3/4	V1075G	V1075G-A
	150-300 Watt PS30		
	1/2	V2050G	V2050G-A
3/4	V2075G	V2075G-A	

* See page F2-4 for temperature limits on individual V-51 fixtures. To order fixtures without guards, omit G suffix from catalog number. Order reflectors and accessories separately (page F2-20). **With heat-resistant glass globes or plastic globes.





F2-16

Class I, Div. 2
Groups A,B,C,D

UL 1598
UL 844

V-51® Enclosed and Gasketed Incandescent Fixtures

All Fixtures Suitable for Use in Wet Locations.**







	Size (Inches)	V-51 with Guard*	Catalog Number All Aluminum With Guard*
	Wall—One Tapped Hub in Flange‡		
	60-150 Watt A21		
	1/2	VGA1050G	—
	3/4	VGA1075G	—
	150-300 Watt PS30		
	1/2	VGA2050G	—
3/4	VGA2075G	—	
	Wall—Vertical Feed-Thru‡		
	60-150 Watt A21		
	1/2	VD1050G	—
	3/4	VD1075G	—
	150-300 Watt PS30		
	1/2	VD2050G	—
3/4	VD2075G	—	
	Wall—Three Hubs Plus One Tapped Opening in Center of Flange‡		
	60-150 Watt A21		
	1/2	VGAT1050G	—
	3/4	VGAT1075G	VGAT1075G-A
	150-300 Watt PS30		
	1/2	VGAT2050G	—
3/4	VGAT2075G	VGAT2075G-A	
	45° Stanchion		
	Reflector not available for this fixture		
	60-150 Watt A21		
	1-1/4	—	VMAN10125G-A
	150-300 Watt PS30		
	1-1/4	—	VMAN20125G-A

* See page F2-4 for temperature limits on individual V-51 fixtures. To order fixtures without guards, omit G suffix from catalog number. Order reflectors and accessories separately (page F2-20). ‡ 30° Angle reflector adaptable for 100 Watt fixture only, when mounted at least 4-1/2" from wall. **With heat-resistant glass globes or plastic globes.

**Class I, Div. 2
Groups A,B,C,D**
UL 1598
UL 844

V-51® Enclosed and Gasketed Incandescent Fixtures











All Fixtures Suitable for Use in Wet Locations.**

	Description	Catalog Number†		
		V-51 with Guard*†	All Aluminum With Guard**†	
	Wall—Outlet Box Mounting‡ (Octagonal outlet boxes for non-classified areas only) Fits SEH cast outlet box (Cat. Sec. A), VPJB (this section) or 3-1/4" or 4" octagonal outlet box (Sec. OB). Gasket and adapter plate furnished with fixture.	60-150 Watt A-21	OBVW10G	OBVW10G-A
		150-300 Watt PS-30	OBVW20G	OBVW20G-A
	Ceiling—GS Form 20 Box Mounting Fits GS cast outlet box. Order box from Cat. Sec. A. Screws and gasket furnished with fixture.	60-150 Watt A-21	GS102G	—
		150-300 Watt PS-30	GS202G	—
	Wall—GS Box Mounting‡ Fits GSU cast outlet box. Order box from Cat. Sec. A. Screws and gasket furnished with fixture.	60-150 Watt A-21	GSW102G	—
		150-300 Watt PS-30	GSW202G	—
  	For JB, GS and SEH Cast Outlet Boxes, See Catalog Section A.			

* See page F2-4 for temperature limits on individual V-51 fixtures. To order fixtures without guards, omit G suffix from catalog number. Order reflectors and accessories separately (Page F2-20). ‡ 30° Angle reflector adaptable for 100 Watt fixture only, when mounted at least 4-1/2" from wall. **With heat-resistant glass globes or plastic globes.

V-51® Lighting Fixture Mounting Hoods: Pendant, Ceiling, Wall and Stanchion







Suitable for Use in Wet Locations. Malleable Iron or Aluminum Mounting Bodies.

	Hub Size (Inches)	Catalog Number	
		Malleable Iron	Aluminum
Mounting Hoods—Pendant and Ceiling			
Furnished with connection block, gasket and screws.			
Pendant Mounting			
	1/2	VA50	VA50-A
	3/4	VA75	VA75-A
	1	VA100	—
	1-1/4	VA125	—
Dead-End—Ceiling Mounting			
	1/2	V50	V50-A
	3/4	V75	V75-A
Feed-Thru—Ceiling Mounting			
	1/2	VC50	VC50-A
	3/4	VC75	VC75-A
Three Hubs—Ceiling Mounting			
	1/2	VT50	—
	3/4	VT75	—
Four Hubs—Ceiling Mounting			
	1/2	VX50	—
	3/4	VX75	—
Five Hubs—Ceiling Mounting†			
	1/2	VXHA50	VXHA50-A
	3/4	VXHA75	VXHA75-A
	1	VXHA100	VXHA100-A
Mounting Hoods—Wall and Stanchion			
Furnished with connection block, gasket and screws.			
One Opening—Wall Mounting.*			
	1 tapped hole in center of flange		
	1/2	VGA50	—
	3/4	VGA75	—
Feed-Thru—Wall Mounting*			
	2 tapped vertical feed-thru hubs		
	1/2	VD50	—
	3/4	VD75	—
Three Hubs and One Opening—Wall Mounting*			
	3 hubs plus 1 tapped opening in center of flange		
	1/2	VGAT50	—
	3/4	VGAT75	VGAT75-A
45° Stanchion Mounting			
	1-1/4" hub	—	VMAN-125

† Four close-up plugs furnished. *Mounting hoods for wall installations can only be used with 30° angle reflectors.








V-51® Lighting Fixture Mounting Hoods and Adapter Fixture Units

Suitable for Use in Wet Locations.
Malleable Iron or Aluminum Components.

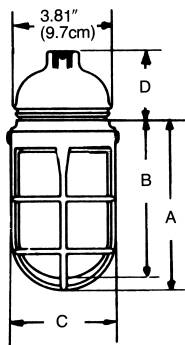
	Description	Catalog Number	
		Malleable Iron	Aluminum
	Mounting Hoods—Wall and Ceiling Outlet Box Mountings SEH and 3-1/4" or 4" Octagonal Outlet Box Mounting*	(Octagonal boxes for non-classified areas only)	
		Wall † Ceiling	OBVW1 OBV1
	GS Round Base Outlet Box Mounting—Form 20** Wall † Ceiling	GSW2	—
		GS2	—
	JB Round Base Outlet Box Mounting** Wall † Ceiling	JBW1	JBW1-A
		JB1	JB1-A
	Fixture Units Adapter/Socket, Globe and Guard 60-150 Watt A-21 150-300 Watt PS-30	VU100M	VU-100
		VU200M	VU-200
	Adapter/Socket, and Globe 60-150 Watt A-21 150-300 Watt PS-30	VU100MLG	VU-100LG
		VU200MLG	VU-200LG
	Adapter/Socket 60-150 Watt A-21 150-300 Watt PS-30	VAD-1M††	VAD-1
		VAD-2M††	VAD-2

† Mounting hoods for wall installations can only be used with 30° angle reflectors. *Order SEH from Cat. Sec. A and octagonal from Sec. OB. Screws, gasket and adapter plate furnished with fixture mounting hood. **Order outlet box and gasket from Cat. Sec. A. Screws furnished with fixture mounting hood. ††Accepts steel wire guard only.

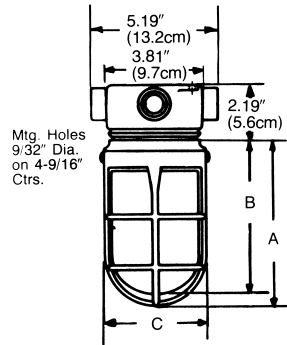
Reflectors, Globes, Guards, and Parts for V-51® Incandescent Lighting Fixtures

		Description	Catalog Number	
 60W-150W Glass	 60W-100W Polycarbonate	Glass and Polycarbonate Globes—60–150W	Glass	Polycarbonate
		Clear Amber Blue Green Opal Red Clear Heat-Resistant	60W-150W VGL-1CL VGL-1AM VGL-1BL VGL-1GR VGL-1OP VGL-1RE VGL-1HR	100W Max.* VPG-1CL VPG-1AM VPG-1BL VPG-1GR — VPG-1RE —
 150W-300W Glass		Glass Globes—150–300W	150W-300W	
		Clear Amber Blue Green Opal Red Clear Heat-Resistant	VGL-2CL VGL-2AM VGL-2BL VGL-2GR VGL-2OP VGL-2RE VGL-2HR	— — — — — —
*Do not use in ambients exceeding 25°C. For burning in base up position only.				
Aluminum Guards†				
 VGU-2	 VWG-1	60-150 Watt A-21 (Fits VAD-1 Adapter)	VGU-1	—
		150-300 Watt PS-30 (Fits VAD-2 Adapter)	VGU-2	—
Steel Wire Guards†				
		60-150 Watt A-21 (Fits VAD-1M Adapter)	VWG-1	—
		150-300 Watt PS-30 (Fits VAD-2M Adapter)	VWG-2	—
† Cannot be used with polycarbonate globes.				
Porcelain Reflectors				
Furnished with neoprene attaching ring				
 Standard Dome	 30° Angle	Standard Dome		
		60-150 Watt A-21	VRW-1ST	—
		150-300 Watt PS-30	VRW-2ST	—
		30° Angle		
		60-150 Watt A-21	VRW-1AN	—
		150-300 Watt PS-30	VRW-2AN	—
Replacement Reflector Attaching Ring (Neoprene)				
			VPT-8	
Connection Block				
			VPT-7	
Lamp Socket (Medium Base)				
			VPT-1AV	
Gasket for Lamp Socket and 60W–150W Globe				
			VPT-2	
Gasket for 150W–300W Globe				
			VPT-3	
Gasket for Mounting Hood				
			VPT-4	

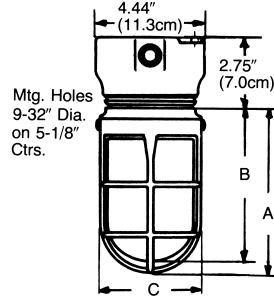
Dimensions: V-51® Incandescent Lighting Fixtures



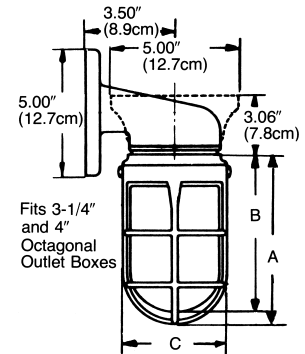
Type VA



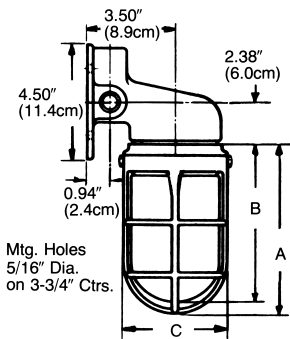
Types V, VC, VT, VX



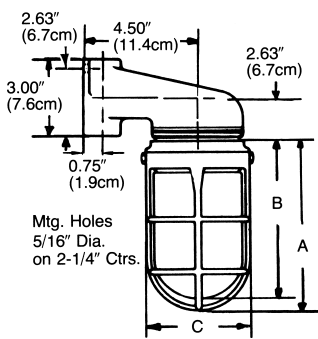
Type VXHA



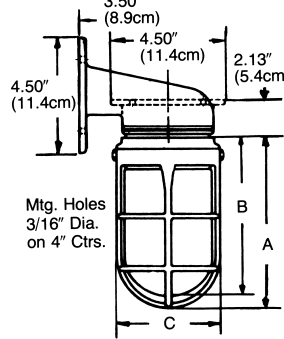
Types OBV and OBWV



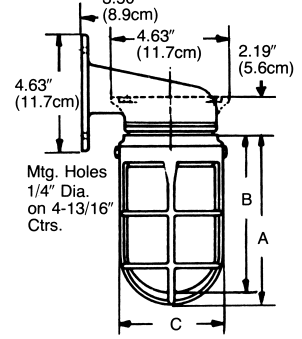
Types VGA and VGAT



Type VD



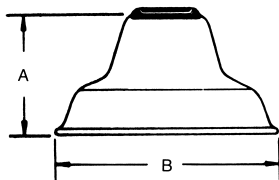
Types JB and JBW



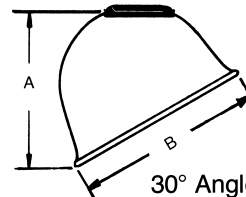
Types GS and GSW

Size	Dimensions in Inches					Dimensions in Centimeters				
	A	B	C	D	D	A	B	C	D	D
60-150W	6.38	5.75	4.19	2.63	2.89	16.2	14.6	10.6	6.7	7.3
150-300W	9.50	8.63	5.69	2.63	2.89	24.1	21.9	14.4	6.7	7.3

Reflectors



Standard Dome



30° Angle

Size	Standard Dome			30° Angle				
	Inches		cm	Inches		cm		
	A	B	A	B	A	B	A	B
60-150W	6.19	12.0	15.7	30.5	8.09	10.0	20.6	25.4
150-300W	8.88	16.0	22.5	40.6	11.59	12.0	29.4	30.5

Photometric Data: V-51® Fixtures

Suitable for Use in Wet Locations.

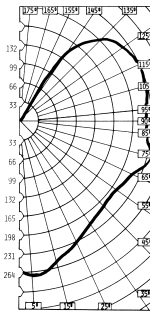
Full size photometric data available for all V-51® fixtures on request.

Coefficients of Utilization Zonal Cavity Method

Photometric data shown on this page is based on a 150 Watt PS-25 lamp and is representative of the performance for all V-51 incandescent fixtures. For candlepower values of fixtures with other lamps, multiply the given candlepower

values by the following multipliers: 60 Watt—A19 X .33; 75 Watt—A19 X .45; 100 Watt—A19 X .66; 200 Watt—PS25 X 1.44; 300 Watt—PS30 X 2.32. For candlepower values with guard multiply by .90.

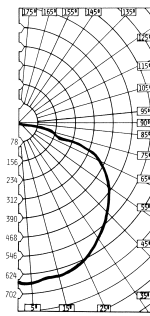
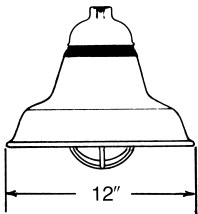
Without Reflector



Effective Floor Cavity Reflectance (Rfc) is 20%

% Ceiling Rcc	80			70			50			30			10			0	
	% Walls	Rw															
ROOM CAVITY RATIOS	1	.815	.765	.721	.755	.711	.668	.642	.608	.577	.539	.513	.489	.444	.424	.406	.360
	2	.690	.619	.558	.639	.575	.521	.542	.492	.449	.452	.414	.380	.370	.341	.315	.273
	3	.595	.515	.450	.551	.478	.421	.467	.410	.362	.388	.344	.307	.316	.282	.252	.215
	4	.523	.439	.374	.485	.409	.350	.411	.351	.303	.343	.296	.257	.279	.242	.212	.178
	5	.457	.376	.313	.426	.350	.292	.362	.300	.254	.302	.253	.215	.246	.208	.177	.147
	6	.409	.326	.266	.378	.303	.248	.322	.261	.215	.269	.220	.183	.220	.180	.150	.123
	7	.364	.283	.229	.338	.264	.213	.288	.226	.184	.240	.192	.155	.198	.158	.128	.104
	8	.329	.251	.197	.305	.234	.185	.260	.202	.160	.220	.171	.136	.179	.141	.112	.090
	9	.298	.223	.171	.277	.208	.161	.237	.180	.140	.199	.152	.119	.164	.126	.098	.078
	10	.271	.198	.152	.251	.187	.142	.216	.161	.123	.182	.137	.104	.151	.113	.086	.068

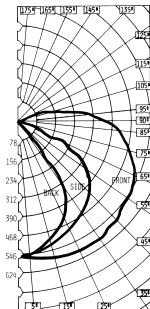
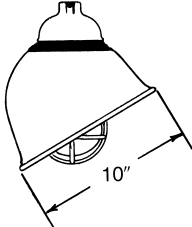
Standard Dome



Effective Floor Cavity Reflectance (Rfc) is 20%

% Ceiling Rcc	80			70			50			30			10			0	
	% Walls	Rw															
ROOM CAVITY RATIOS	1	.803	.772	.744	.784	.756	.731	.750	.726	.706	.718	.701	.683	.691	.675	.661	.645
	2	.705	.656	.614	.690	.645	.608	.661	.624	.591	.636	.605	.576	.612	.586	.562	.546
	3	.618	.558	.511	.606	.550	.506	.583	.535	.495	.560	.520	.486	.540	.506	.476	.460
	4	.549	.484	.434	.538	.478	.430	.518	.465	.423	.499	.454	.417	.482	.442	.410	.393
	5	.485	.416	.366	.475	.411	.363	.459	.401	.359	.442	.392	.354	.427	.384	.349	.333
	6	.431	.362	.314	.423	.358	.310	.408	.350	.307	.394	.343	.304	.382	.335	.299	.284
	7	.384	.316	.270	.377	.311	.267	.364	.304	.263	.351	.299	.260	.341	.294	.257	.242
	8	.347	.281	.234	.340	.278	.233	.329	.272	.231	.319	.267	.229	.309	.262	.226	.212
	9	.314	.249	.204	.309	.246	.204	.299	.242	.202	.289	.237	.200	.281	.233	.198	.184
	10	.284	.221	.181	.279	.221	.181	.271	.216	.179	.263	.212	.176	.257	.209	.174	.161

30° Angle



PVI™ Enclosed Non-Metallic Incandescent Fixtures

For use with Rigid Non-Metallic Conduit. Medium Base.

Applications

- Enclosed lighting fixtures for food processing plants, barns, garages, warehouses, workshops and other areas where moisture, dirt or corrosive atmospheres are a problem.
- Three designs suitable for use in general locations, damp locations or wet locations.
- For 60 to 150 watt A21 medium base incandescent lamps.
- For mounting directly to walls, ceilings, or structural members.
- Ambient suitability 0°C to 25°C.

Features

- Fast, easy installation.
- Low initial and maintenance costs.
- Completely moisture and corrosion-resistant construction— no exposed metal parts.
- No separate outlet box needed.
- Base has four 1/2" or 3/4" threaded openings for conduit fittings.
- Glass globe screws out for easy bulb replacement and cleaning.
- External mounting lugs are super strong and impact-resistant.
- Fixtures for use in general locations have a 15.0 cubic inch wiring compartment.
- Fixtures for use in damp or wet locations have a 12.0 cubic inch wiring compartment.
- Up to 150 watt A21 medium base incandescent lamps.

Standard Materials

- Socket: brass screw shell and center contact in high-temperature phenolic plastic base.
- Mounting hood/wiring compartment: impact-resistant reinforced polyester thermoplastic.
- *Globes*: clear heat-resistant glass.
- *Guards*: steel or vinyl-coated steel.

Compliances

- UL Standard 1598—PVI 1550, PVI 1575, PVI 1550D and PVI 1575D for use with 60°C rated wire; PVI 1550W and PVI 1575W for use with 60°C rated wire.



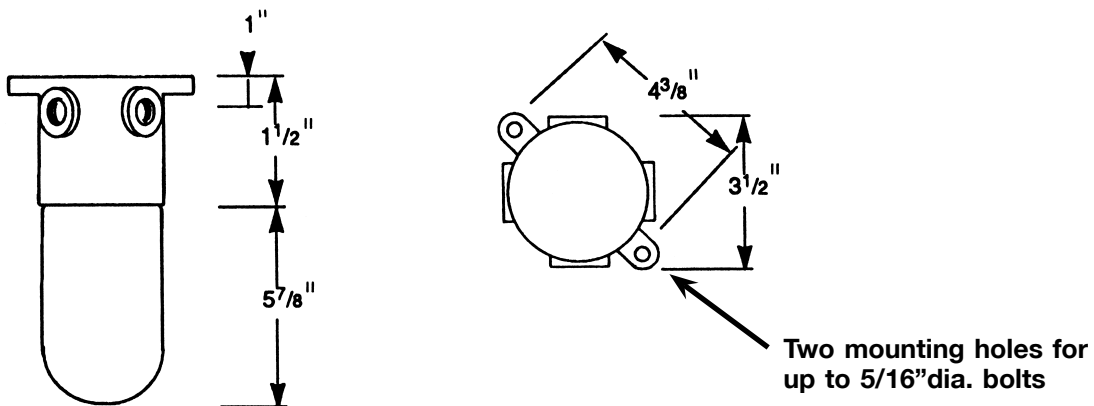
F2-24

PVI™ Enclosed Non-Metallic Incandescent Fixtures

For use with Rigid Non-Metallic Conduit. Medium Base.

	Size (Inches)	Description	Catalog Number
Ceiling/Wall Mounting—Four Hubs			
60-150 Watt A-21 Medium Base			
	1/2 3/4	General Location	PVI1550 PVI1575
	1/2 3/4	Damp Location	PVI1550D PVI1575D
	1/2 3/4	Wet Location (Enclosed and Gasketed)	PVI1550W PVI1575W
Glass Globe—60-150 Watt			
		Clear Heat-Resistant	VGL-1HR
Wire Guards			
		Steel Steel with Vinyl Coating (yellow)	PVI-SGU PVI-VCGU
	Replacement Lamp Socket		
		60-150 Watt A-21 Medium Base	PVI-IS

Dimensions



REA™ Enclosed and Gasketed Incandescent 150 Watt* Lighting Fixtures

Inexpensive, Low Wattage Fixture for use in Wet Locations.
UNILETS® for use with Threaded Metal Conduit. Medium Base.

Applications

- Vaportight enclosed and gasketed lighting fixtures, suitable for use in wet locations.
- Standard glass globes take up to 150 watt A-21 lamps. Optional polycarbonate plastic globes take up to 100 watt A-21 lamps.

Features

- Inexpensive fixture designed for use without reflector.
- Spring-mounted shock-absorbing socket prolongs lamp life.
- Guards snap on easily and securely. Spring-action balls snap into detents in fixture body.

Standard Materials










- *Mounting bodies:* pressure cast copper-free aluminum.
- *Socket:* porcelain with brass screw shell.
- *Guards:* steel or aluminum guards.

Standard Finishes

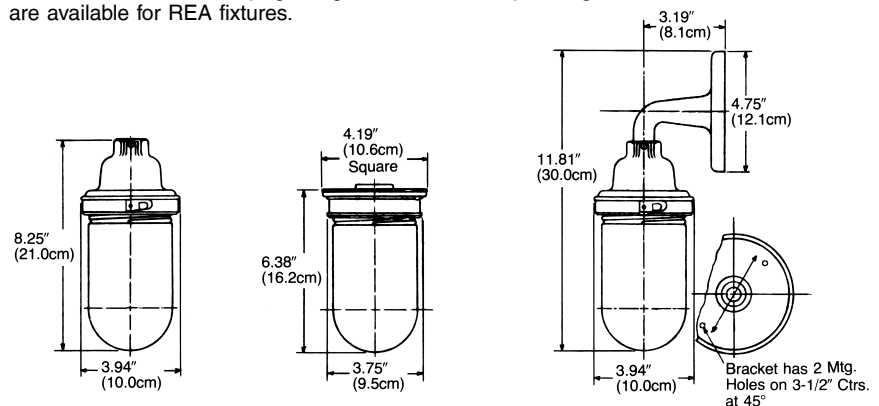
- *Mounting bodies:* burnished.
- *Steel wire guard:* zinc electroplate.
- *Aluminum guard:* aluminum polymer enamel.
- *Socket and globes:* natural finish.

Compliances

- UL Standard 1598 (Supersedes UL Standard 1571).
- 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.

	Description	Hub Size (Inches)	Catalog Number
	Pendant Fixture	1/2	REA-1050
		3/4	REA-1075
	Outlet Box Fixture	For 3-1/4" or 4" octagonal or 4" square mounting.	
			REA-10B
	Wall Fixture		
			REA-10LB
	Pendant Hood	1/2	REA-50
		3/4	REA-75
	Wall Bracket	1/2" Male Stem	
			REA-1BR
	Lamp Socket		
			VPLR-123
	Steel Guard	For Outlet Box fixture only.	
			VWG-1
	Aluminum Guard	For Pendant and Wall Mount fixtures only.	
			VGU-1
Colored Glass and Polycarbonate Globes			
		Glass*	Plastic*
	Clear	VGL-1CL	VPG-1CL
	Amber	VGL-1AM	VPG-1AM
	Blue	VGL-1BL	VPG-1BL
	Green	VGL-1GR	VPG-1GR
	Opal	VGL-1OP	—
	Red	VGL-1RE	VPG-1RE
	Heat Resistant	VGL-1HR	—

*Maximum size A-21 lamp: glass globe—150 Watts; plastic globe—100 Watts. No reflectors are available for REA fixtures.



Stylmaster™ Strobe and Beacon Lighting Fixtures: Enclosed and Gasketed

Applications

- Enclosed and gasketed fixtures suitable for use in marine and wet locations and in a wide range of industrial, chemical processing, and areas where flammable gases and vapors are present under conditions defined by NEC Class I, Div. 2 and Class II, Div. 1 and 2, and Class III.
- In areas where audible signals cannot be heard.
- To warn of unsafe conditions and other communication needs.
- Fixtures are also suited for use in non-hazardous areas where severe weather conditions, excessive moisture, dirt, dust, corrosive atmospheres or high ambient temperatures are encountered.
- Typical applications include pulp and paper mills, processing plants, chemical plants, oil refineries, foundries, manufacturing plants, storage areas and marine applications

Features

- Modern styling, with clean-line mounting hood and prismatic glass globe, plus optional guard.
- Globe seats firmly against silicone gasket in mounting hood to keep out dirt and moisture. Full threads eliminate "cross threading."
- Optional guard protects glass from damage and has exclusive snap-on attachment feature for quick installation and fast servicing.
- Fixtures operate safely in high ambient temperatures.
- Strobe 65 flashes per minute.
- Beacon 75 rotations per minute.
- Fixtures are complete with lamp.
- Lens available in five colors: Red, Amber, Blue, Green and Clear. (Factory installed).
- Heat and impact resistant globes have smooth dust-resistant exterior.
- Fixture is suitable for mounting globe up or globe down utilizing pendant, ceiling or wall bracket type mounts.
- Minimum operating temperature is -25°C.



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

Standard Materials

- Mounting hoods: copper-free aluminum.
- Guards: pressure-cast copper-free aluminum.
- Globes: prismatic glass.

Standard Finish

- Mounting hoods: Powder coat epoxy.
- Aluminum guards: Powder coat epoxy.

Compliances

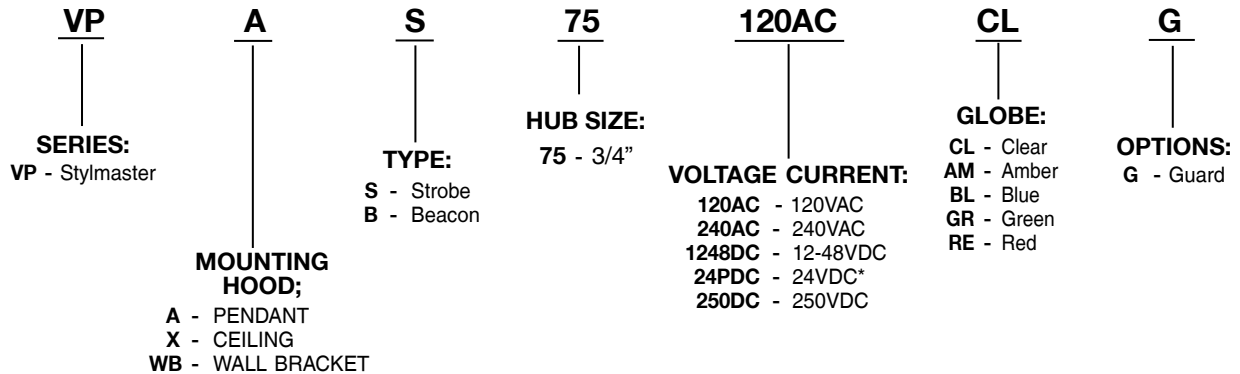
- Pendant Mount
 - Class I, Div. 2, Groups A, B, C and D
 - Class II, Div. 1 and 2, Groups E, F and G
 - Class III
 - Type 3R and 4
 - Marine Outside Type (Saltwater)
 - UL1604
 - UL1638
 - UL1203
- Ceiling and Wall Bracket Mount
 - Class I, Div. 2, Groups A, B, C and D
 - Type 3R and 4
 - UL1604
 - UL1638

Stylmaster™ Strobe and Beacon Lighting Fixtures: Enclosed and Gasketed

Ordering Information:

Order using catalog numbering guide below or select catalog number from page F2-28.

CATALOG NUMBERING GUIDE FOR STYLMASTER™ STROBE AND BEACON LUMINAIRES



* Diode Polarized (Current limiter supplied as standard).

Technical Data: Thermal Suitability of Stylmaster Strobe and Beacon Fixtures.

Operating Temperatures

Ambient Temp.	Class I, Div. 2 Groups A, B, C & D Pendant, Ceiling and Wall Bracket		Class II, Div. 1 & 2 Class III Pendant Mount	
	Strobe	Beacon	Strobe	Beacon
	40°C	T2A	T1	T4A
55°C	T2	464°C	T4A	T4A
65°C	T1	474°C	T4	T4

Operating Temperatures: Represent the Maximum Internal Temperature for Class I, Div. 2 Locations and 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 500-5(e, f).

F2-28




Pendant Mount

- Class I, Div. 2, Groups A,B,C,D
- Class II, Div. 1 and 2, Groups E,F,G
- Class III
- NEMA 3R, 4
- Marine Outside Type (Saltwater)
- UL1604, UL1638, UL1203

Ceiling and Wall Bracket Mount

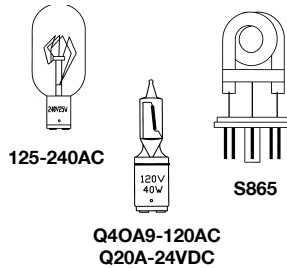
- Class I, Div. 2, Groups A,B,C,D
- NEMA 3R, 4
- UL1604, UL1638

Stylmaster™ Strobe and Beacon Lighting Fixtures and Weights

Ordering information		Volts	Weight	Catalog Number*
	Pendant Strobe One Hub 3/4" NPT Rigid Conduit.	120VAC	4.5 lbs.	VPAS75120ACCL
		240VAC		VPAS75240ACCL
		250VDC		VPAS75250DCCL
		12-48VDC		VPAS751248DCCL
		24VDC		VPAS7524PDCCL**
	Beacon	120VAC	4.0 lbs.	VPAB75120ACCL
	240VAC	VPAB75240ACCL		
	Ceiling Strobe Rigid Conduit Four Hubs 3/4" NPT Three Close-Up Plugs	120VAC	5.3 lbs.	VPXS75120ACCL
		240VAC		VPXS75240ACCL
		250VDC		VPXS75250DCCL
		12-48VDC		VPXS751248DCCL
		24VDC		VPXS7524PDCCL**
	Beacon	120VAC	4.2 lbs.	VPXB75120ACCL
	240VAC	VPXB75240ACCL		
	Wall Bracket Strobe Rigid Conduit Four Hubs 3/4" NPT Three Close-Up Plugs	120VAC	6.4 lbs.	VPWBS75120ACCL
		240VAC		VPWBS75240ACCL
		250VDC		VPWBS75250DCCL
		12-48VDC		VPWBS751248DCCL
		24VDC		VPWBS7524DCCL**
	Beacon	120VAC	5.2 lbs.	VPWBB75120ACCL
	240VAC	VPWBB75240ACCL		
Optional Aluminum Guard Strobe and Beacon			1.0 lbs.	VPGU-1

* Catalog numbers shown are supplied with clear lens. To order colored lens replace last digits of catalog number CL with AM for Amber, BL for Blue, GR for Green, RE for Red.
 ** Diode Polarized (Current limiter supplied as standard).

Stylmaster™ Strobe and Beacon Replacement Parts and Dimensions



Replacement Lamps

For Strobe and Beacon Stylmaster™ Fixtures.

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

Replacement Globes and Inserts

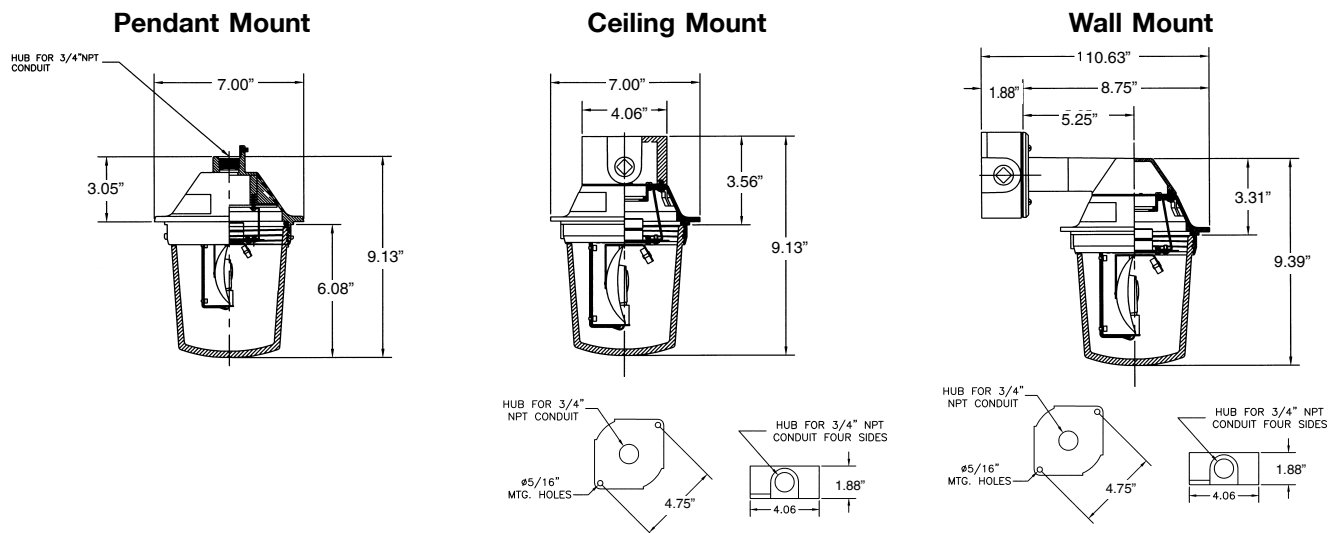
For Strobe and Beacon Stylmaster™ Fixtures



Glass Globe for Beacon	Catalog Number
Clear	VPGL-1HR
Amber	VPGL-1AM
Blue	VPGL-1BL
Green	VPGL-1GR
Red	VPGL-1RE

Glass Globe for Strobe	Catalog Number	Insert For Strobe Only (In addition to Glass Globe)
Clear	VPGL-1HR	Clear = 59606060000 Amber = 59606060001 Blue = 59606060002 Green = 59606060003 Red = 59606060004

Dimensions:



N2LS™ Series Emergency Lighting: Enclosed and Gasketed

Non-Metallic Emergency Lighting Systems with Remote or Direct Mounted Lamps.

Applications

- Enclosed and gasketed, non-metallic emergency lighting system suitable for use in areas where flammable gases or vapors may become present due to abnormal, unusual or accidental conditions defined by NEC as Class I, Div. 2, Groups B, C and D and Class I, Zone 2, Group II B + H₂.

- Typical applications include manufacturing plants, refineries, petrochemical and chemical plants, waste and sewerage treatment facilities, food processing facilities, and other industrial manufacturing or process facilities subject to wet or corrosive conditions.

- Non-hazardous areas where dirt, dust or corrosion would reduce life of ordinary emergency lighting systems.

Features

- Certified for use in Class I, Div. 2, Groups B, C, D; Class I, Zone 2, Group II B + H₂ Hazardous Locations.

- Enclosures are Type 3R (raintight) rated and suited for operation in highly corrosive and wet locations.

- The electronics consist of a solid-state charger, transfer circuit and low voltage battery disconnect circuit.

- The test switch and AC "On" indicator light are mounted on the system housing utilizing a neoprene "O-ring" gasket to seal out moisture and liquids.

- Capacity is sufficient for the connection of 36 or 72 output Watts (maximum).

- Housing provisions allow for the attachment of single or dual, 8 or 12 Watt halogen sealed beam heads (Wattage cannot exceed unit capacity.)

- Provides 90 minutes of emergency operation.

- The solid-state charger maintains battery at full charge.

- Upon failure or 35% dip of utility voltage (AC), 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.

- A universal transformer allows operation on 120, 220, 240 or 277 VAC 50/60HZ. lines.

- Emergency power source is a sealed cell, lead acid, maintenance-free battery suited for harsh temperature environments of 0° to 40° C.

- 15 amp fuse provided as standard.

- Expected life is 10 years.

- Remote lamp head assemblies (one or two) are available for mounting of lamp heads away from main power supply system.

- Time delay relay (15 min.) provided as standard; allows time for HID lighting to reach desired illumination levels.

Standard Materials

- Fixture - Compression molded, fiberglass reinforced polyester (FRP), with continuous silicone gasket and FRP mounting feet.

- Remote - Specially formulated fiberglass reinforced polyester with low surface resistivity that will not hold a static charge. Stainless steel screws hold covers to bodies, and stainless steel mounting feet.

- Gaskets under pilot light and push to test switch are neoprene.

- Gasket between remote cover and body is neoprene.

- Hubs - Glass filled polyester with zinc plated steel insert.

- Lamphead - Noryl® thermoplastic.

Compliances

- Class I, Div. 2, Groups B, C and D.

- Class I, Zone 2, Group IIB + H₂.

- UL Standard: 924.

- NFPA 101 Life Safety Code.

- NEMA 3R.

**Class I, Div. 2
Groups B,C,D
NEMA 3R**

N2LS™ Series Emergency Lighting: Enclosed and Gasketed

Non-Metallic Emergency Lighting Systems with Remote or Direct Mounted Lamps.

**UL Standard: 924
NFPA 101 Life Safety Code**

Ordering Information:

Order using catalog numbering guide below or select catalog number from pages F2-31 and F2-32.

CATALOG NUMBERING GUIDE FOR N2LS

N2LS™	2	8	36	6
SERIES: N2LS - Emergency Lighting System	No. OF DIRECT MOUNT LAMPS: 0 - None 1 - One 2 - Two	WATTAGE PER LAMP: 8 - 8 Watt 12 - 12 Watt N - No Direct Mounted Fixture	WATTAGE CAPACITY: 36 - 36 Watt 72 - 72 Watt	LAMP VOLTAGE: 6 - 6 VDC 12 - 12 VDC

Emergency Lighting System With Two Direct Mount Lamps



Number of Lamps	Watts Per Lamp	Lamp Voltage (DC)	Wattage Capacity	Hub Size	Input Voltage*	Frequency	Weight lbs.	Catalog Number
2	8	6	36	3/4"	120-277	50/60HZ.	19.5	N2LS28366
2	8	12	36	3/4"	120-277	50/60HZ.	19.5	N2LS283612
2	8	6	72	3/4"	120-277	50/60HZ.	19.5	N2LS28726
2	8	12	72	3/4"	120-277	50/60HZ.	19.5	N2LS287212
2	12	6	36	3/4"	120-277	50/60HZ.	19.5	N2LS212366
2	12	12	36	3/4"	120-277	50/60HZ.	19.5	N2LS2123612
2	12	6	72	3/4"	120-277	50/60HZ.	19.5	N2LS212726
2	12	12	72	3/4"	120-277	50/60HZ.	19.5	N2LS2127212

Emergency Lighting System With One Direct Mount Lamp



Number of Lamps	Watts Per Lamp	Lamp Voltage (DC)	Wattage Capacity	Hub Size	Input Voltage*	Frequency	Weight lbs.	Catalog Number
1	8	6	36	3/4"	120-277	50/60HZ.	18.5	N2LS18366
1	8	12	36	3/4"	120-277	50/60HZ.	18.5	N2LS183612
1	8	6	72	3/4"	120-277	50/60HZ.	18.5	N2LS18726
1	8	12	72	3/4"	120-277	50/60HZ.	18.5	N2LS187212
1	12	6	36	3/4"	120-277	50/60HZ.	18.5	N2LS112366
1	12	12	36	3/4"	120-277	50/60HZ.	18.5	N2LS1123612
1	12	6	72	3/4"	120-277	50/60HZ.	18.5	N2LS112726
1	12	12	72	3/4"	120-277	50/60HZ.	18.5	N2LS1127212

Emergency Lighting System Without Direct Mount Lamps



Output Voltage (DC)	Wattage Capacity	Hub Size	Input Voltage*	Frequency	Weight lbs.	Catalog Number
6	36	3/4"	120-277	50/60HZ.	17.5	N2LS0N366
12	36	3/4"	120-277	50/60HZ.	17.5	N2LS0N3612
6	72	3/4"	120-277	50/60HZ.	17.5	N2LS0N726
12	72	3/4"	120-277	50/60HZ.	17.5	N2LS0N7212

* Input voltage is 120, 220, 240 and 277

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Class I, Div. 2
Groups B,C,D
NEMA 3R

UL Standard: 924
NFPA 101 Life Safety Code

N2LS™ Series Emergency Lighting: Enclosed and Gasketed

Non-Metallic Emergency Lighting Systems with Remote or
Direct Mounted Lamps.

Remote Mount Lamp



Number of Lamps	Watts Per Lamp	Lamp Voltage (DC)	Hub Size	Hub Position*	Weight lbs.	Catalog Number
1	8	6	3/4"	Dead End Hub on Right	4	N2RR186
1	8	12	3/4"	Dead End Hub on Right	4	N2RR1812
1	12	6	3/4"	Dead End Hub on Right	4	N2RR1126
1	12	12	3/4"	Dead End Hub on Right	4	N2RR11212

Remote Mount Lamps



Number of Lamps	Watts Per Lamp	Lamp Voltage (DC)	Hub Size	Hub Position*	Weight lbs.	Catalog Number
2	8	6	3/4"	Dead End Hub on Right	5	N2RR286
2	8	12	3/4"	Dead End Hub on Right	5	N2RR21812
2	12	6	3/4"	Dead End Hub on Right	5	N2RR2126
2	12	12	3/4"	Dead End Hub on Right	5	N2RR21212

* Other hub configurations are available. Consult factory.

**Class I, Div. 2
Groups B,C,D
NEMA 3R**

Technical Data: N2LS™ Series

Non-Metallic Emergency Lighting Systems with Remote or Direct Mounted Lamps.

**UL Standard: 924
NFPA 101 Life Safety Code**

Thermal Performance:

Operating Temperatures

Wire Supply	Ambient Temp.	"T" Number
60°C	min. 0°C to max 40°C	T6

"T" Numbers: Represent the Maximum Lamp Temperature for Class I, Div. 2 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

Technical Data:

Wire Sizing For Remote Installations

For copper wire, maximum distance (feet) between power supply and remote unit to limit voltage drop to 5%.

Wire Size	For 6 Volt Units - Load in Watts				For 12 Volt Units - Load in Watts			
	8	16	24	32	8	16	24	32
16 AWG	26	13	6	3	52	26	12	6
14 AWG	42	21	10	5	84	42	20	10
12 AWG	66	33	16	8	132	66	32	16
10 AWG	106	53	26	13	212	106	52	26
8 AWG	168	84	42	21	336	168	84	42
6 AWG	270	135	67	33	540	270	134	66

Capacity of Standard N2LS Units

Combination Number	1	2	3	4	6	7	8	9	10	11	12	13	14	15
Number of Lamps	1	1	2	2	3	3	4	4	5	5	6	7	8	9
Watts per Lamp	8	12	8	12	8	12	8	12	8	12	12	8	8	8
Total Wattage	8	12	16	24	24	36	32	48	40	60	72	56	64	72

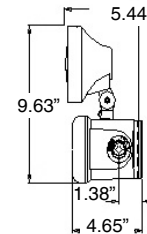
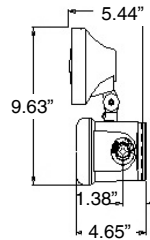
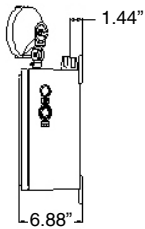
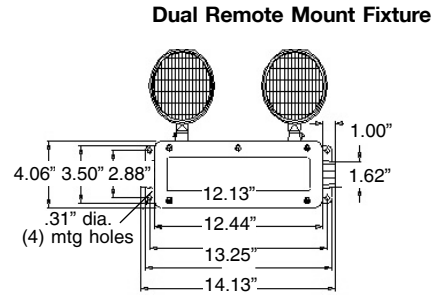
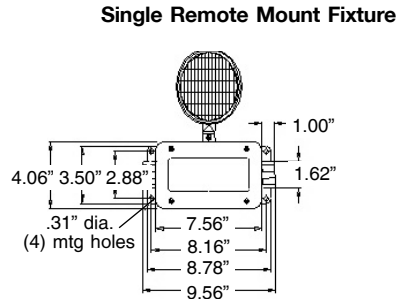
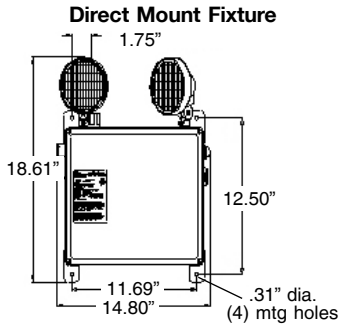
Up to two lamps may be direct mounted.
The remainder must be remote mounted.
Number of lamps accommodated is dependent on whether 36 or 72 Watt unit is used.

F2-34

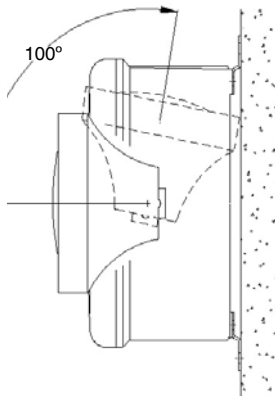
Dimensions: N2LS™ Series

Non-Metallic Emergency Lighting Systems with Remote or Direct Mounted Lamps.

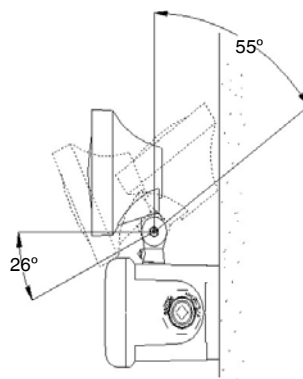
Dimensions In Inches:



Adjustment Angle Data For Remote Unit:



Top View



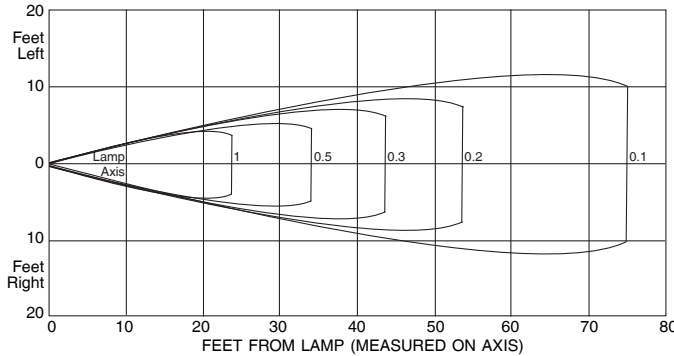
Side View

Photometric Data: N2LS™ Series

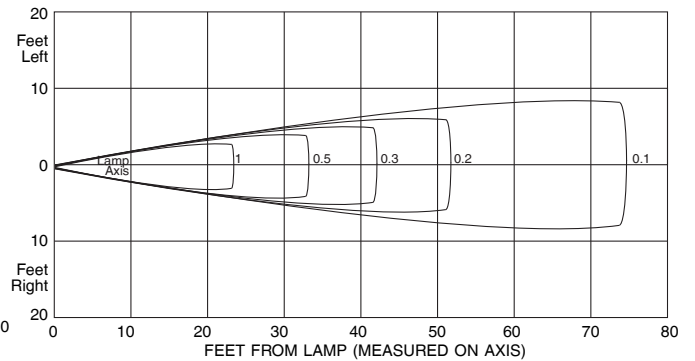
Non-Metallic Emergency Lighting Systems with Remote or Direct Mounted Lamps.

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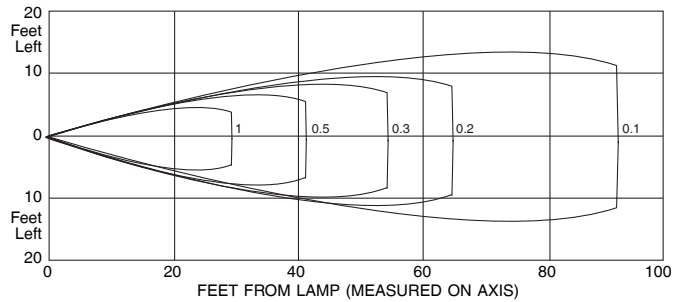
Horizontal Isofootcandle Distribution Curves for 8 Watts



Vertical Isofootcandle Distribution Curves for 8 Watts



Horizontal Isofootcandle Distribution Curves for 12 Watts



Vertical Isofootcandle Distribution Curves for 12 Watts

