

AVP Series

Aluminum lighting for hazardous and severe environments

RIG-A-LITE™
An Avail Infrastructure Solutions Company



Classifications

- Class I, Division 2, Groups A, B, C & D
- Zone 2, Group IIA, IIB, IIC
- UL 844 Hazardous Locations
- UL 1598A Marine Outside Type
- CUL
- Buy American Act (BAA) Compliant



availinfra.com/rig-a-lite

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Houston, TX 77075
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AVP Series

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Key Features

Designed to meet the rugged demands of highly corrosive industrial applications, the AVP Series is vapor-tight and rated for Class I, Division 2 hazardous areas. It's rugged construction precludes contamination by dirt, moisture and chemicals and is suitable for indoor and outdoor applications.

- 1 Choice of incandescent lamps up to 150W (A-21); or compact fluorescent lamps (13W, 18W, 26W and 32W)
- 2 Heat resistant tempered glass or polycarbonate globe available
- 3 High-temperature silicone gasket
- 4 Threads are provided for quick and easy, trouble-free maintenance
- 5 Baked on, epoxy coated die cast copper-free aluminum housing
- 6 Aluminum die cast guard
- 7 All exposed hardware and inserts are made of stainless steel
- 8 Available in three mounting styles—pendant, ceiling and wall mounts



Additional Features

- Class I, Division 2, Groups A, B, C and D
- Zone 2, Groups IIA, IIB and IIC
- NEMA 3, 4 & 4X
- UL 1598A Marine Outside Type
- UL 844 Hazardous Locations
- Copper Free Aluminum
- Enclosed and gasketed
- Glass or polycarbonate globe
- Suitable for indoor or outdoor use
- Suitable for hose-down
- Compact fluorescent or incandescent available
- Suitable for commercial and industrial uses only
- Twist Lock Lamp Holder (CFL)
- 3/4" NPT Hubs

AVP Series

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Catalog Number Logic



1

BASIC SERIES

AVP Aluminum Series

- (i) AVPH = Class I, Division 2, Groups A, B, C & D; UL 844 Hazardous Locations; UL 1598A Marine Outside Type; NEMA 3, 4 & 4X
- (ii) AVP = Marine; UL 1598A Marine Outside Type; NEMA 3, 4 & 4X

2

LAMP WATTAGE AND TYPE

- 13F = 13 Watt Comp. Fluorescent (GX23-2 Base/120V)¹
- 13F = 13 Watt Comp. Fluorescent (GX24q-1 Base/277V)¹
- 18F = 18 Watt Comp. Fluorescent (G24q-2 Base)²
- 26F = 26 Watt Comp. Fluorescent (GX24q-3 Base)³
- 32F = 32 Watt Comp. Fluorescent (GX24q-3 Base)⁶
- 15I = Up to 150 Watt (A-21 Max.) Incandescent (Medium Base)⁴

3

BALLAST VOLTAGE

- 12 = 120V 60 HZ
- 24 = 240V 50-60 HZ (Incandescent)⁴
- 27 = 277V 60 HZ
- Starting Temperature with Electronic Ballast is 0°C (32°F)

4

GLOBE

- HR = Heat Resistant Tempered Glass
- P = Polycarbonate Prismatic Globe (75 Watt Max.)⁵
- CP = Clear Polycarbonate (75 Watt Max.)⁵
- Colored Globes Available with AVP Only; Other Globes Available - Consult Factory

5

GUARD

- G = Guard⁵

6

MOUNTING STYLE

- P = Pendant
- W = Wall Mount with Box
- C = Ceiling

7

OPTIONS

- DR = Polycarbonate Prismatic Dome Reflector

¹ Philips PLC 10mm/13/USA, OSRAM/Sylvania Dulux D(CF-13CC) or equal lamps for 120V. Philips PLC 13W/4P, OSRAM CF13DD/E or equal for 277V.

² Philips PLC 18, OSRAM/Sylvania Dulux (CF-18DD) or equal lamps.

³ PLT-26. Dulux T-26 or equal lamps.

⁴ Can only be ordered as 240V but can be wired from 110-240V

⁵ Guard not available with polycarbonate globe.

⁶ Phillips PLT-32 lamp.

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

Certification Guide

Model	Ambient Temperature °C	Class 1, Division 2		Supply Wire Suitable Temperature, °C
		Globe	Refractor	
AVPH15I	40	T2C	T2B	90°C
AVPH26F	40	T3C	T3C	90°C
AVPH32F	40	T3	T3A	90°C

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Mounting

Mounting Style	Lamp Type ① ②	Lamp Watt	Catalog Number ③ ④		Shipping Weight (lbs.)
			Marine UL 1598A	Hazardous & Marine Locations UL 844 & UL1598	
Pendant Mount 	Incandescent	150	AVP15-I-24-HR-G-P	AVPH15-I-24-HR-G-P	3.2
	Compact Fluor.	13	AVP13-F-12-HR-G-P	AVPH13-F-12-HR-G-P	3.6
	Compact Fluor.	18	AVP18-F-12-HR-G-P	AVPH18-F-12-HR-G-P	3.8
	Compact Fluor.	26	AVP26-F-12-HR-G-P	AVPH26-F-12-HR-G-P	4.0
	Compact Fluor.	32	AVP32-F-12-HR-G-P	AVPH32-F-12-HR-G-P	4.2
Ceiling Mount 	Incandescent	150	AVP15-I-24-HR-G-C	AVPH15-I-24-HR-G-C	3.2
	Compact Fluor.	13	AVP13-F-12-HR-G-C	AVPH13-F-12-HR-G-C	3.6
	Compact Fluor.	18	AVP18-F-12-HR-G-C	AVPH18-F-12-HR-G-C	3.8
	Compact Fluor.	26	AVP26-F-12-HR-G-C	AVPH26-F-12-HR-G-C	4.0
	Compact Fluor.	32	AVP32-F-12-HR-G-C	AVPH26-F-12-HR-G-C	4.2
Wall Mount 	Incandescent	150	AVP15-I-24-HR-G-W	AVPH15-I-24-HR-G-W	4.1
	Compact Fluor.	13	AVP13-F-12-HR-G-W	AVPH13-F-12-HR-G-W	4.3
	Compact Fluor.	18	AVP18-F-12-HR-G-W	AVPH18-F-12-HR-G-W	4.4
	Compact Fluor.	26	AVP26-F-12-HR-G-W	AVPH26-F-12-HR-G-W	4.6
	Compact Fluor.	32	AVP32-F-12-HR-G-W	AVPH32-F-12-HR-G-W	4.8

① Incandescent lamps not furnished with the fixture.

② Compact fluorescent lamps furnished with the fixture.

③ 120V 13 Watt compact fluorescent fixture furnished with magnetic ballast.

④ 13 Watt/277V 18 & 26 Watt compact fluorescent fixture furnished with high power factor electronic ballast.

Coefficients of Utilization

AVP26FP

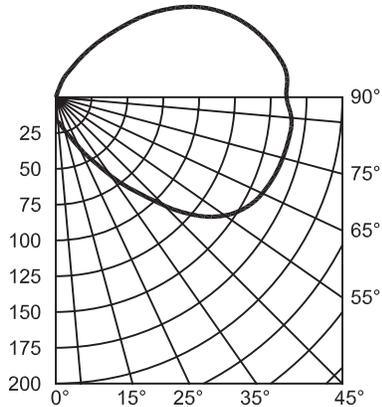
% Effective Ceiling Cavity Reflectance rcc	80			50			10		
	50	30	10	50	30	10	50	30	10
% Wall Reflectance rw	Effective Floor Cavity Reflectance 20%								
Room Cavity Ratio RCR	Effective Floor Cavity Reflectance 20%								
0	.87	.87	.87	.69	.69	.69	.49	.49	.49
1	.63	.63	.59	.53	.49	.46	.35	.33	.31
2	.57	.50	.44	.43	.38	.34	.27	.24	.22
3	.48	.40	.34	.36	.31	.26	.22	.19	.16
4	.42	.33	.27	.31	.25	.21	.19	.15	.12
5	.36	.28	.22	.27	.21	.17	.17	.13	.10
6	.32	.24	.18	.24	.18	.14	.15	.11	.8
7	.28	.21	.16	.21	.16	.12	.13	.9	.7
8	.26	.18	.13	.19	.14	.10	.12	.8	.6
9	.23	.16	.12	.18	.12	.9	.11	.7	.5
10	.21	.14	.10	.16	.11	.8	.10	.7	.4

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Candlepower Distribution & Photometric Data

Deg.	Norm.
5	17
15	24
25	39
35	67
45	107
55	144
65	159
75	164
85	165
90	161
95	162
105	152
115	135
125	110
135	75
145	41
155	18
165	1



Accessories

Globes	Type	Lamp Size	Color	Thread Diameter	Catalog Number
	Heat Resistant Tempered Glass	150W	Clear	3-5/16 in.	VGL100HR
	Polycarbonate Prismatic	75W	Clear	3-5/16 in.	VGL100PPG ¹
	Glass Prismatic	150W	Clear	3-5/16 in.	VGL100PRISM

Guard	Description	Catalog Number
	Cast Aluminum Guard	59030AMFG

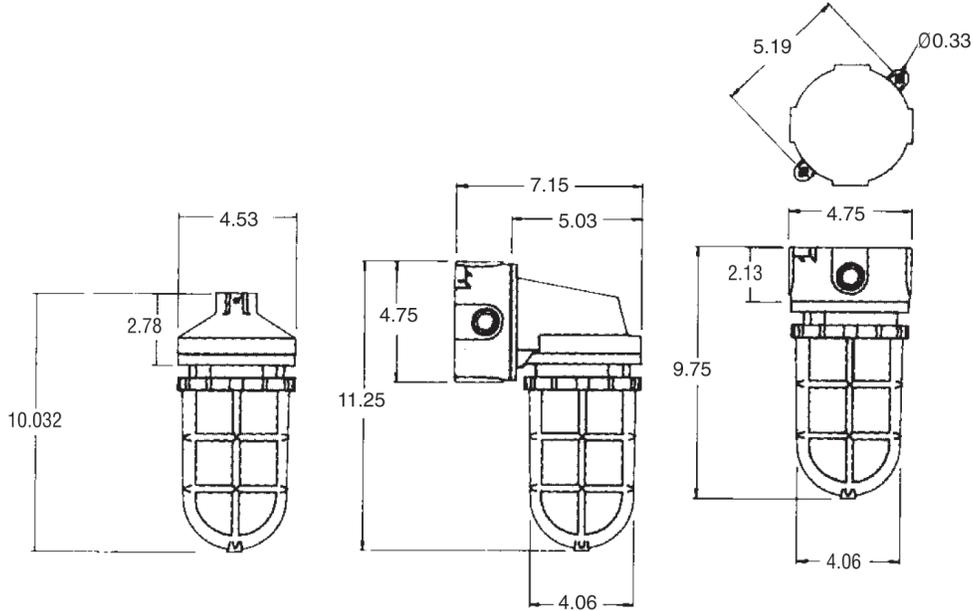
¹ To order colored globes, add suffix A (Amber), B (Blue), R (Red) or G (Green) to catalog number.

AVP Series

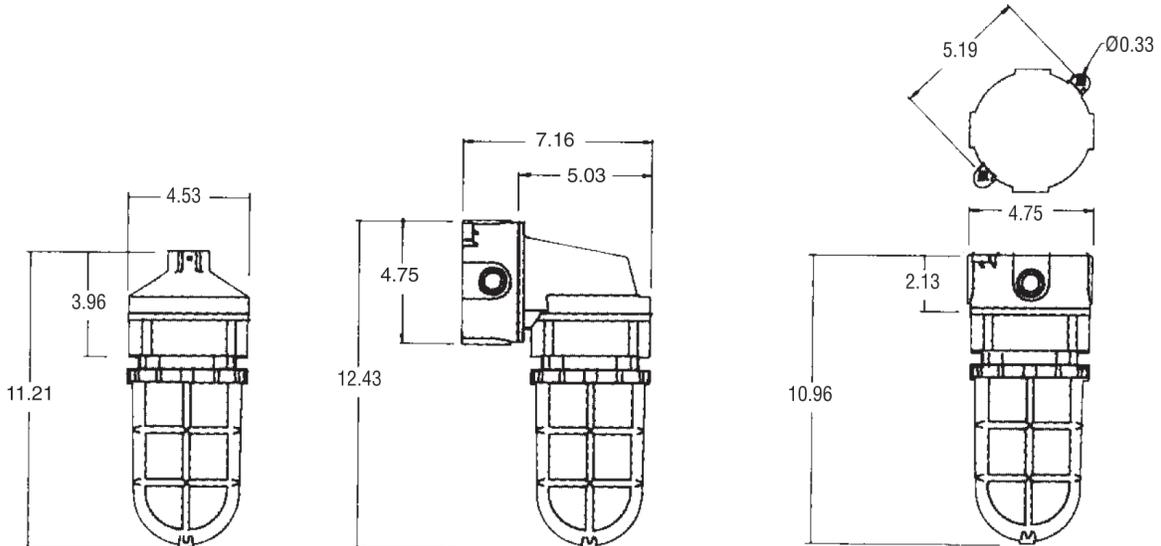
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Fixture Dimensions (inches)

150 Watt A-2 Incandescent Lamp



13, 18, 26 & 32 Watt Compact Fluorescent Lamp with Glass Globe

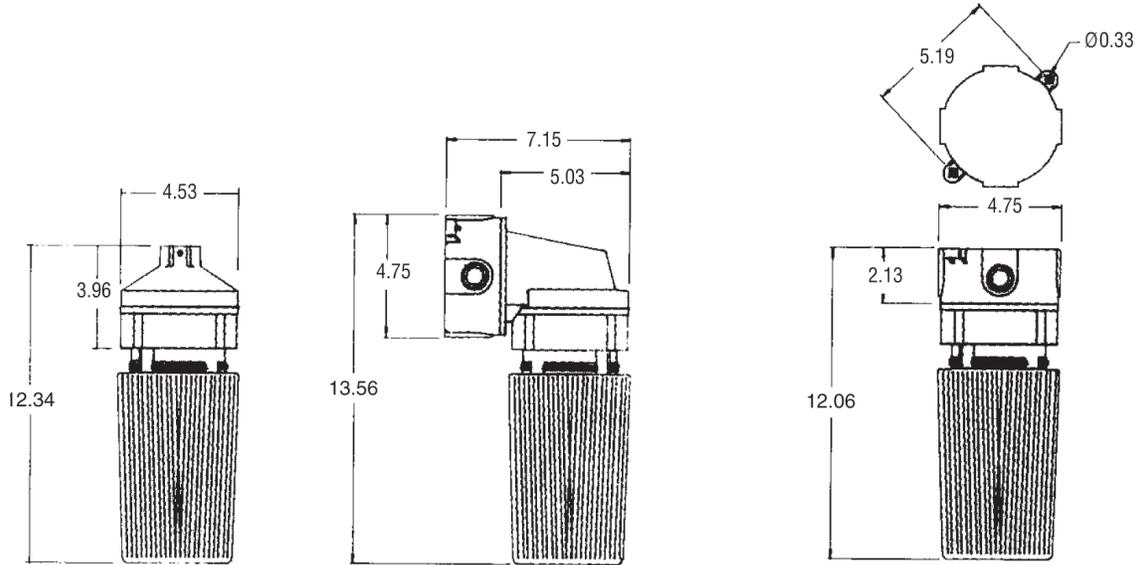


AVP Series

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Fixture Dimensions (inches)

26 Watt Compact Fluorescent Lamp with Polycarbonate Globe



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