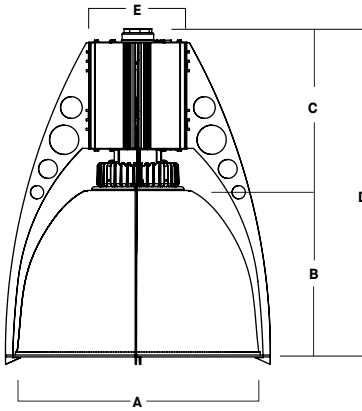




AFPF SHOWN



A	B	C	D	E
16.2	11.0	10.7	21.7	6.7
411.5 mm	279.4 mm	271.8 mm	551.2 mm	170.2 mm

Fixture Weight: 7.4 lbs

## 16" Low/Mid Bay 4600 Lm

Decorative Arms



### PRAF16GV

#### APPLICATION

16" Arc pendant evokes industrial age designs while using latest LED technology for excellent general illumination. Prismatic refractor provides horizontal and vertical distribution. Laser cut decorative arm.

#### FEATURES

Extruded Fixture Housing (EXT) features a single-stage optical system for smooth light distribution. LED module and driver designed for ease of maintenance and replacement. Optional safety cable.

#### FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. A wide variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

#### ELECTRONICS

GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80/90. Custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers.

#### CONSTRUCTION

Extruded and machined 6063-T5 aluminum housing. Graphite gasket for optimal thermal management. Die-cast aluminum heat sink. Refractor made of cast UV stabilized acrylic. ARC pendant arms and deco ring are laser cut 5052 aluminum.

#### CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
PRAF16GV15L	1213	10	121
PRAF16GV27L	2118	18	118
PRAF16GV37L	3107	26	120
PRAF16GV55L	4575	39	117

<sup>1</sup> Nominal Delivered Lumens at 35K with PR16-AFPF-MW

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	OPTIONS <sup>3</sup>	MOUNTING <sup>4</sup>	REFRACTOR	TIER OPTIONS	FINISH <sup>10</sup>	MOUNTING OPTION <sup>12</sup>	
PRAF16GV	15L 1200 Lm	80 CRI	EX Electronic Driver, 120V/277V DS10X 10% 0-10V, 120V/277V DO10X 1% 0-10V, 120V/277V	FS Fusing SC1 Safety Cable	HM <sub>1</sub> <sup>5</sup> Hang Straight	PR16 16" Clear OP16 16" Opal	AFPF <sup>6</sup> Aluminum Fins w/ Deco Perforations and 1-Metal Tier Ring AFSF <sup>7</sup> Aluminum Deco Arm with Slots and 1-Metal Tier Ring	MW <sup>8</sup> Matte White MB <sup>9</sup> Matte Black PT <sup>11</sup> Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures	
	27L 2100 Lm	27K 2700K			PM <sub>2</sub> <sup>5</sup> Rigid Pendant					
	37L 3100 Lm	30K 3000K			CD <sub>3</sub> <sup>5</sup> Cord / Cable Mount					
	55L 4600 Lm	35K 3500K			HC <sub>5/16"</sub> <sup>5</sup> Hook & Cord					
		40K 4000K			NM2 <sup>6/7/8</sup> 1/2" NPT Hub					
		50K 5000K			NM3 <sup>6/7/8</sup> 3/4" NPT Hub					
		90 CRI			EMERGENCY BATTERY OPTIONS					
		27HK 2700K			EMCR 10W Canopy Mounted EM					
		30HK 3000K			EMRM 7W Remote EM					
		35HK 3500K			EMEN 7W Remote with Enclosure					
	40HK 4000K									

EXAMPLE: PRAF16GV15L35KEX/HM36/PR16/AFPFPTRD/PT

**NOTES:**

<sup>1</sup> Nominal Delivered Lumens at 35K with PR16-AFPF-MW <sup>2</sup> Contact Factory for Additional Options <sup>3</sup> See Product Options Page for Details <sup>4</sup> See Mounting Page for Details on Components and Finishes <sup>5</sup> Specify Length in Inches: See Mounting Page for Available Lengths <sup>6</sup> Mounting Supplied by Others <sup>7</sup> Not Available with EMCR <sup>8</sup> 12" Leads Unless Specified <sup>9</sup> Fins and Tier to Match Fixture Finish <sup>10</sup> Reference Color Sheet Located on Product Webpage for Full List of Available Colors <sup>11</sup> Standard Finishes <sup>12</sup> Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_ TYPE: \_\_\_\_\_



# 16" PRISMATIC

## AF SERIES / FIXTURE OPTIONS



### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

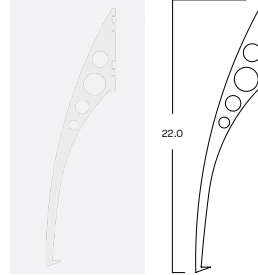


**PT**  
PLATINUM SILVER

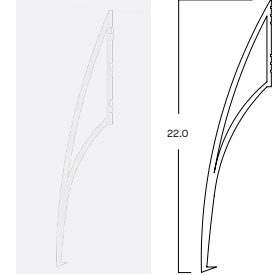


### DECORATIVE ARMS

**AFPF**  
LASER CUT DECO ARM WITH HOLES



**AFSF**  
LASER CUT DECO ARM WITH SLOTS



### MOUNTING TYPES

**HM / PM**  
HANG STRAIGHT / PENDANT



PRAF16GV SHOWN WITH PM

**CD**  
CORD / CABLE MOUNT



PRAF16GV SHOWN WITH CD

**HC**  
HOOK CORD



PRAF16GV SHOWN WITH HC

**NM**  
NO MOUNT



PRAF16GV SHOWN WITH NM



# MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



## ADDITIONS

### FS - Fusing

Slow blow type fuse protects fixture against voltage surges. Factory installed.



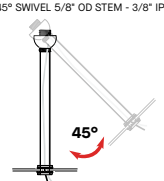
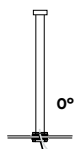
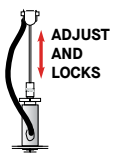
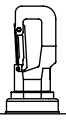


## SAFETY CABLE OPTIONS

### SC1 - Safety Cable

1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.



## MOUNTING TYPES

<p><b>HM*</b> - Hang Straight</p> <p>45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>HM</b> (Length) SPECIFY LENGTH:</p> <p><b>HM3</b> - 3"    <b>HM24</b> - 24" <b>HM6</b> - 6"    <b>HM36</b> - 36" <b>HM12</b> - 12"    <b>HM48</b> - 48" <b>HM18</b> - 18"    <b>HM72</b> - 72" <b>HMLC(XX)</b> Custom Length (Specify in Inches)</p> <p>TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.</p>	<p><b>PM*</b> - Rigid Pendant Mount</p> <p>RIGID 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>PM</b> (Length) SPECIFY LENGTH:</p> <p><b>PM3</b> - 3"    <b>PM24</b> - 24" <b>PM6</b> - 6"    <b>PM36</b> - 36" <b>PM12</b> - 12"    <b>PM48</b> - 48" <b>PM18</b> - 18"    <b>PM72</b> - 72" <b>PMLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>CD</b> - Cord / Cable Mount</p> <p>SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: <b>CD</b> (Length) SPECIFY LENGTH:</p> <p><b>CD36</b> - 36" <b>CD72</b> - 72" <b>CD144</b> - 144" <b>CDLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>HC</b> - Hook &amp; Cord</p> <p>FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>HC</b> (Length) SPECIFY LENGTH:</p> <p><b>HC36</b> - 36" <b>HC72</b> - 72" <b>HC144</b> - 144" <b>HCLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>NM2</b> - 1/2" NPT Hub <b>NM3</b> - 3/4" NPT Hub FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>NMX</b> (Length) SPECIFY LENGTH:</p> <p><b>NM2(12)</b> - 12" Leads are Standard <b>NM3(12)</b> - 12" Leads are Standard <b>NMXLC(XX)</b> Custom Length (Specify in Inches)</p>
<p>*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.</p> 				

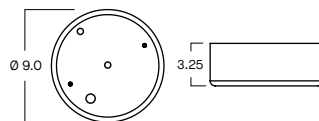
## MOUNTING OPTION

### FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



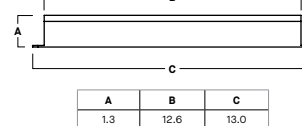
## EMERGENCY BATTERY OPTIONS

### EMCR - Large Driver Canopy For 10W Emergency Battery

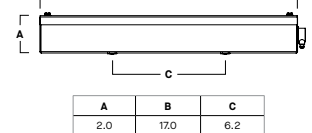


## REMOTE EMERGENCY BATTERY OPTIONS

### EMRM\* - 7W Remote Emergency Battery (50' Max)



### EMEN\* - 7W Remote Emergency Battery with Enclosure (50' Max)



\*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY



# 16" PRISMATIC

## AF SERIES / PHOTOMETRIC DATA



### PRAF16GV-55L-35K-EX-PR16-AFPF (or AFSF)-MW

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT							
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3			
	0.00°	0° - 10°	397	9%										
	0.00°	4,210												
	5.00°	4,071	0° - 20°	1,330	29%									
	10.00°	3,782	0° - 30°	2,549	56%									
	15.00°	3,360												
	20.00°	2,925	0° - 40°	3,383	74%									
	30.00°	2,279												
	40.00°	629	0° - 60°	4,023	88%									
	50.00°	360												
	60.00°	253	0° - 80°	4,368	95%									
	70.00°	165												
	80.00°	98	0° - 90°	4,450	97%									
90.00°	59	Total	4,584	100%										

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
8.0'	66 fc	9.7'	32 fc
10.0'	42 fc	12.1'	21 fc
12.0'	29 fc	14.5'	14 fc
14.0'	21 fc	16.9'	11 fc
16.0'	16 fc	19.3'	8 fc
20.0'	11 fc	24.1'	5 fc
24.0'	7 fc	29.0'	4 fc
28.0'	5 fc	33.8'	3 fc

Ceiling Height	Fixture Spacing	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
17'	12" *	36	0.29	24	0.24
21'	14" **	24	0.20	24	0.23
25'	16" ***	18	0.15	15	0.15

Delivered Illuminance Rating: (DIR)	RCR 1	RCR 3
	122 FC per W/Sq. Ft.	102 FC per W/Sq. Ft.

CP at 0deg (Nadir):	CR1:	Beam Angle:	Spacing Ratio:	Lamp Multiplier:	CCT Multiplier:
4,210	80	62.21	0.88	15L x 0.27, 27L x 0.46, 37L x 0.68	50K x 1.06, 40K x 1.03, 30K x 0.985, 27K x 0.971

Delivered Lumens: 4,584  
Luminaire Watts: 39  
LER: 117.54

### HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = <math>\frac{1}{2}</math> Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> <li>- CP Candela at 0° (Nadir)</li> <li>- Cos θ Cosine of θ Angle</li> <li>- D Distance (Mounting Height AFF)</li> <li>- FC<sub>H</sub> Footcandles, Horizontal</li> <li>- Beam Angle Cone of light to 50% max. CP</li> <li>- Beam Diam. Pattern of light at Beam Angle</li> </ul>	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> <li>- To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): <math>FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}</math></li> <li>- To estimate FC, Ft. per fixture for a specific target FC: <math>\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}</math></li> </ul>