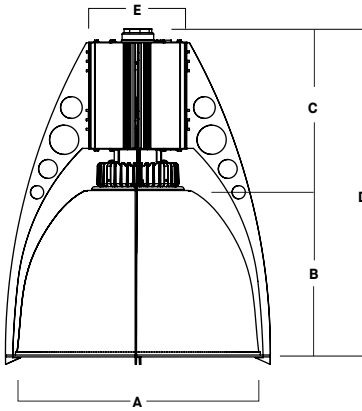




AFPF SHOWN



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 ¹	SYSTEM WATTS	LPW
PRAF16GV15L	1213	10	121
PRAF16GV27L	2118	18	118
PRAF16GV37L	3107	26	120
PRAF16GV55L	4575	39	117

¹ Nominal Delivered Lumens at 35K with PR16-AFPF-MW

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

EXAMPLE: PRAF16GV15L35KEX/HM36/PR16/AFPFPT

NOTES:

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

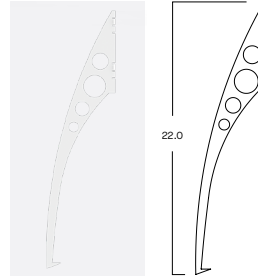


PT
PLATINUM SILVER

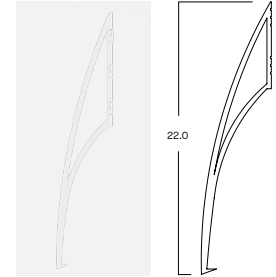


DECORATIVE ARMS

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.



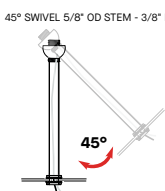
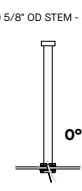

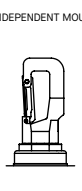


SAFETY CABLE OPTIONS

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

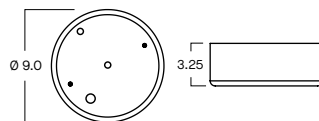
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



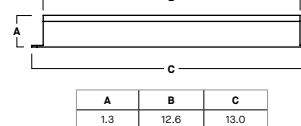
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery

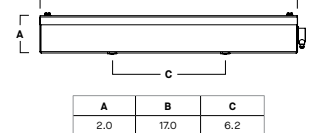


REMOTE EMERGENCY BATTERY OPTIONS

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%										

Delivered Lumens: 4,584	CP at 0deg (Nadir): 4,210	Beam Angle: 62.21	Lamp Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
Luminaire Watts: 39	CRI: 80	Spacing Ratio: 0.88	CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.985, 27K x 0.971
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. = $\frac{1}{2}$ Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> - CP Candela at 0° (Nadir) - Cos θ Cosine of θ Angle - D Distance (Mounting Height AFF) - FC_H Footcandles, Horizontal - Beam Angle Cone of light to 50% max. CP - Beam Diam. Pattern of light at Beam Angle 	<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"> - To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ - To estimate FC, Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> - To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ - To estimate Watts/Sq. Ft.: $W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

