



1MR SHOWN

16" Low/Mid Bay 4850 Lm

Decorative Arms & Tier



PRX16GV & ATXAL16GV

APPLICATION

Lumen Max GV series performance pendant for low and mid-bay applications. Prismatic refractor provides horizontal and vertical distribution. Aluminum reflector designed for maximum downlight. Decorative support arms and lower parts add visual appeal.

FEATURES

Extruded Fixture Housing (EXT) features a clean and modern design. Single-stage optical system for smooth light distribution. LED module and driver designed for ease of maintenance and replacement. Optional safety cable. Variety of optical lenses and mounting methods.

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

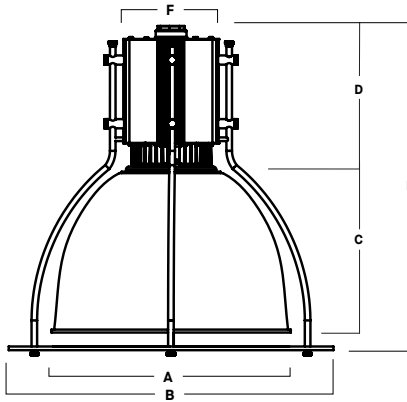
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80/90. Custom LED configurations are available, consult factory. Variety of electronic 120V/277V and dimming drivers.

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. Reflector made of spun .060" aluminum. Arms are chrome plated, formed steel tubing. 1MR option is spun 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.



Dimensioned with PRISMATIC

SHADES	A	B	C	D	E	F
PRISMATIC	16.2 411.5 mm	22.0 558.8 mm	12.4 315.0 mm	9.5 241.3 mm	22.0 558.8 mm	6.5 165.1 mm
ALUMINUM	16.0 406.4 mm	22.0 558.8 mm	11.2 284.5 mm	10.7 271.8 mm	21.9 556.3 mm	6.5 165.1 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PRX16GV15L	1283	10	128.0
PRX16GV27L	2240	18	124.0
PRX16GV37L	3285	26	126.0
PRX16GV55L	4839	39	124.0

¹ Nominal Delivered Lumens at 35K with PR16-FGR

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	TIER OPTIONS	FINISH ¹¹	MOUNTING OPTION ¹³
PRISMATIC PRX16GV	15L 1300 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 ^{8/9/10} Hook & Cord NM2 ^{6/7/8} 1/2" NPT Hub NM3 ^{6/7/8} 3/4" NPT Hub	PRISMATIC DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	ACCESSORIES CFG Center Frosted Glass Tier FGR Frosted Glass Ring 1MR ¹⁰ Single Metal Ring	MW ⁹ Matte White MB ⁹ Matte Black PT ⁹ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	27L 2250 Lm	27K 2700K							
	37L 3300 Lm	30K 3000K							
	55L 4850 Lm	35K 3500K							
		40K 4000K 50K 5000K							
ALUMINUM ATXAL16GV		90 CRI			EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	ALUMINUM AL16/MW ⁹ Matte White Inside AL16/FCI ¹⁰ Fixture Color Inside			

EXAMPLE: PRX16GV15L27KEX/HM36/PR16/FGR/MW

NOTES:
 1 Nominal Delivered Lumens at 35K with PR16-FGR 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 Reflector Finished Matte White with Finish Color Out 10 Same Finish as Housing 11 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 12 Standard Finishes 13 Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



16" PRISMATIC & ALUMINUM

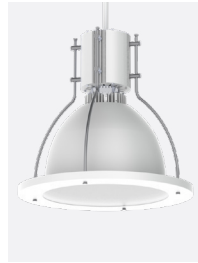
TECH SERIES / FIXTURE OPTIONS



SERIES TYPE



PRISMATIC



STANDARD FINISHES

MW
MATTE WHITE



PRX16GV HM MATTE WHITE

MB
MATTE BLACK



PRX16GV HM MATTE BLACK

PT
PLATINUM SILVER



PRX16GV HM PLATINUM SILVER

DECO-TIER OPTIONS

1MR
SINGLE METAL RING



CFG
CENTERED FROSTED GLASS



FGR
FROSTED GLASS RING



MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



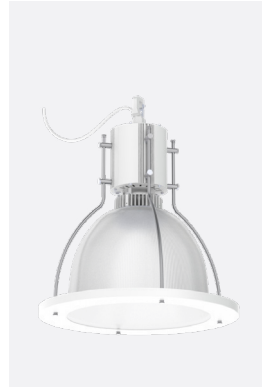
PRX16GV SHOWN WITH PM

CD
CORD / CABLE MOUNT



PRX16GV SHOWN WITH CD

HC
HOOK CORD



PRX16GV SHOWN WITH HC

NM
NO MOUNT



PRX16GV 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.



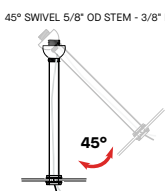
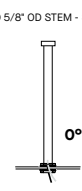
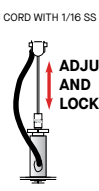
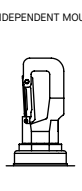


SAFETY CABLE OPTIONS

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* - Rigid 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> 				

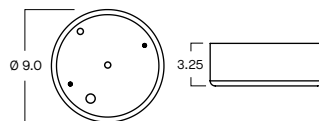
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



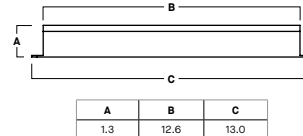
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery

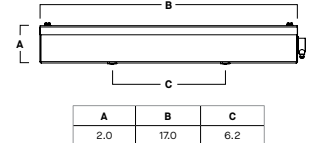


REMOTE EMERGENCY BATTERY OPTIONS

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

TECH SERIES / PHOTOMETRIC DATA



PRX16GV-55L-35K-EX-PR16-CFG

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°	301	8%	8.0'	42 fc	10.5'	21 fc	17'	12"	31	0.29	21	0.24
	5.00°	0° - 20°	960	24%	10.0'	27 fc	13.2'	13 fc	21'	14"	21	0.20	20	0.23
	10.00°	0° - 30°	1,814	46%	12.0'	19 fc	15.8'	9 fc	25'	16"	16	0.15	13	0.15
	15.00°	0° - 40°	2,591	65%	14.0'	14 fc	18.4'	7 fc	Delivered Illuminance Rating: (DIR)		105 FC per W/Sq. Ft.		86 FC per W/Sq. Ft.	
	20.00°	0° - 60°	3,484	88%	16.0'	11 fc	21.1'	5 fc	3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 * Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 11% ** Exceeds spacing criteria by -4% *** Exceeds spacing criteria by -13%					
	30.00°	0° - 80°	3,813	96%	20.0'	7 fc	26.3'	3 fc						
	40.00°	0° - 90°	3,871	98%	24.0'	5 fc	31.6'	2 fc						
	50.00°	Total	3,966	100%	28.0'	3 fc	36.9'	2 fc						
	60.00°													
	70.00°													
	80.00°													
	90.00°													
	Delivered Lumens: 3,966 Luminaire Watts: 39 LER: 101.69	CP at 0deg (Nadir): 2,714 CRI: 80+		Beam Angle: 66.43 Spacing Ratio: 0.94	Lamp Multiplier: 15L x 0.28, 27L x 0.48, 37L x 0.71 CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971									

PRX16GV-55L-35K-EX-PR16-FGR

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°	460	9%	8.0'	68 fc	9.8'	33 fc	17'	12"	39	0.29	26	0.24
	5.00°	0° - 20°	1,424	29%	10.0'	43 fc	12.2'	21 fc	21'	14"	26	0.20	26	0.23
	10.00°	0° - 30°	2,708	56%	12.0'	30 fc	14.7'	15 fc	25'	16"	19	0.15	16	0.15
	15.00°	0° - 40°	3,670	75%	14.0'	22 fc	17.1'	11 fc	Delivered Illuminance Rating: (DIR)		131 FC per W/Sq. Ft.		110 FC per W/Sq. Ft.	
	20.00°	0° - 60°	4,402	90%	16.0'	17 fc	19.6'	8 fc	3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 * Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 15% ** Exceeds spacing criteria by -1% *** Exceeds spacing criteria by -10%					
	30.00°	0° - 80°	4,748	97%	20.0'	11 fc	24.5'	5 fc						
	40.00°	0° - 90°	4,812	99%	24.0'	8 fc	29.4'	4 fc						
	50.00°	Total	4,874	100%	28.0'	6 fc	34.3'	3 fc						
	60.00°													
	70.00°													
	80.00°													
	90.00°													
	Delivered Lumens: 4,874 Luminaire Watts: 39 LER: 124.97	CP at 0deg (Nadir): 4,324 CRI: 80+		Beam Angle: 63.04 Spacing Ratio: 0.91	Lamp Multiplier: 15L x 0.28, 27L x 0.48, 37L x 0.71 CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971									

PRX16GV-55L-35K-EX-PR16-1MR

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°	459	10%	8.0'	67 fc	9.8'	33 fc	17'	12"	38	0.29	26	0.24
	5.00°	0° - 20°	1,421	29%	10.0'	43 fc	12.2'	21 fc	21'	14"	25	0.20	25	0.23
	10.00°	0° - 30°	2,696	56%	12.0'	30 fc	14.7'	15 fc	25'	16"	19	0.15	16	0.15
	15.00°	0° - 40°	3,643	75%	14.0'	22 fc	17.1'	11 fc	Delivered Illuminance Rating: (DIR)		130 FC per W/Sq. Ft.		109 FC per W/Sq. Ft.	
	20.00°	0° - 60°	4,341	90%	16.0'	17 fc	19.5'	8 fc	3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 * Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 16% ** Exceeds spacing criteria by 0% *** Exceeds spacing criteria by -9%					
	30.00°	0° - 80°	4,675	97%	20.0'	11 fc	24.4'	5 fc						
	40.00°	0° - 90°	4,718	98%	24.0'	7 fc	29.3'	4 fc						
	50.00°	Total	4,832	100%	28.0'	6 fc	34.2'	3 fc						
	60.00°													
	70.00°													
	80.00°													
	90.00°													
	Delivered Lumens: 4,832 Luminaire Watts: 39 LER: 123.90	CP at 0deg (Nadir): 4,312 CRI: 80+		Beam Angle: 62.92 Spacing Ratio: 0.9	Lamp Multiplier: 15L x 0.28, 27L x 0.48, 37L x 0.71 CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971									



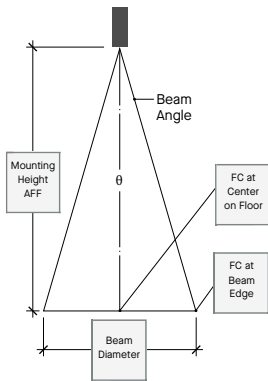
16" PRISMATIC

TECH SERIES / PHOTOMETRIC DATA



HOW TO USE PERFORMANCE DATA

SINGLE UNIT



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.

$$FC_H = CP \times (\cos \theta) \div D^2$$

$$\text{Beam Diam.} = \frac{1}{2} \text{ Beam Angle (Tan)} \times 2D$$

- 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

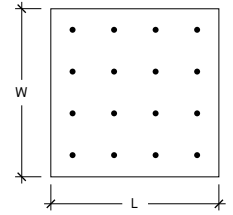
MULTIPLE UNITS

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.

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.

- 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 Sq. Ft. per fixture for a specific target FC:
 $\text{Sq. Ft. / Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$



- 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.:
 $W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

