

22" Mid/High Bay 4350 Lm

Surface Mounted



PRSUR22GV

APPLICATION

Lumen Max GV series surface mount low ceiling application for mid and high-bay applications. Prismatic refractor provides horizontal and vertical distribution.

FEATURES

Shallow surface low bay (SUR) series for store fronts and lower ceiling high-bays. 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

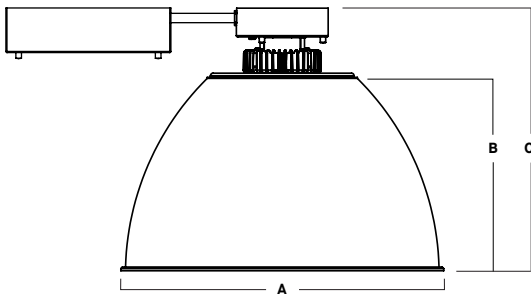
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80/90. Custom LED configurations are available, consult factory. Variety of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Extruded and machined 6063-T5 aluminum housing. Die-cast aluminum heat sink. Refractor made of cast UV stabilized acrylic.

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.



A	B	C
22.4 569.0 mm	13.7 348.0 mm	18.2 462.3 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PRSUR22GV15L	1139	10	114
PRSUR22GV27L	2002	18	111
PRSUR22GV37L	2945	26	113
PRSUR22GV55L	4329	39	111

¹ Nominal Delivered Lumens at 35K with PR22, No Lens

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	REFRACTOR	DIFFUSER OPTIONS	OPTIONS	FINISH ⁷
PRSUR22GV	15L 1150 Lm	80 CRI	EX Electronic Driver, 120V/277V	FS Fusing	SM Surface Mount	DF22 22" Diffuse	ACCESSORIES	SC2 Safety Cable Reflector to door	MW ⁸ Matte White
	27L 2000 Lm	27K 2700K							
	37L 2950 Lm	30K 3000K	DO10X 1% 0-10V, 120V/277V	DR22A ⁶ 22" Spun Door	CNFR Conical Frosted Lens	PT ⁸ Platinum Silver			
	55L 4350 Lm	35K 3500K					90 CRI	BC22 22" Band Clamp	DL Drop Lens
		40K 4000K	DR22AWAG ⁶ 22" Door with Wire Guard	FO White Optical Acrylic					
		50K 5000K			WAG2 ⁶ 22" Wire Guard	PP Prismatic Polycarbonate			
		27HK 2700K	None	PC Clear Polycarbonate					
		30HK 3000K							
		35HK 3500K							
		40HK 4000K							

EXAMPLE: PRSUR22GV55L35KEX/SM/PR22/MW

NOTES:
 1 Nominal Delivered Lumens at 35K with PR22, No Lens 2 Contact Factory for Additional Options 3 See Product Options Page for Details 4 See Mounting Page for Details on Components and Finishes 5 Same Finish as Housing
 6 No Color 7 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 8 Standard Finishes



PROJECT: _____
 QUANTITY: _____ TYPE: _____



22" PRISMATIC

SUR SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

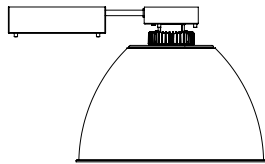


PT
PLATINUM SILVER



MOUNTING TYPES

SM
SURFACE MOUNT



ADDITIONS

FS - FUSING

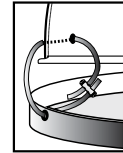
Slow blow type fuse protects fixture against voltage surges. Factory installed.



SAFETY CABLE OPTIONS

SC2 - SAFETY CABLE

1/16" Stainless steel cable holds door to fixture



OPTIONS

DOOR

- DR22A** - 22" SPUN DOOR
- BC22** - 22" BAND CLAMP
- RS22** - 22" REFRACTOR SHROUD

LENSES

- CNFR** - CONICAL FROSTED LENS
- CN** - CONICAL LENS
- DL** - DROP LENS
- FO** - WHITE OPTICAL ACRYLIC
- PP** - PRISMATIC POLYCARBONATE
- PC** - CLEAR POLYCARBONATE



DR22A SHOWN WITH CN

DOOR & GUARD

- DR22AWAG** - 22" DOOR WITH WIRE GUARD

LENSES

- FO** - WHITE OPTICAL ACRYLIC
- PP** - PRISMATIC POLYCARBONATE
- PC** - CLEAR POLYCARBONATE



DR22AWAG SHOWN

GUARD OPTION

- WAG22** - 16" WIRE GUARD



22" PRISMATIC

SUR SERIES / PHOTOMETRIC DATA



PRDDH22LEDGV-55L-35K-Ex/xx/xx/PR22/CNFR/XX

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																																															
<p>Delivered Lumens: 4,326 Luminaire Watts: 39 LER: 110.92</p>	0.00°	0° - 10°	193	4%	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 1</th> <th colspan="2">RCR 3</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>17'</td> <td>16'*</td> <td>16</td> <td>0.14</td> <td>10</td> <td>0.11</td> </tr> <tr> <td>21'</td> <td>18'**</td> <td>15</td> <td>0.13</td> <td>12</td> <td>0.13</td> </tr> <tr> <td>25'</td> <td>20''''</td> <td>12</td> <td>0.10</td> <td>8</td> <td>0.08</td> </tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">113 FC per W/Sq. Ft.</td> <td colspan="2">93 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> 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 3% *** Exceeds spacing criteria by -14% **** Exceeds spacing criteria by -24% </td> </tr> <tr> <td colspan="2">Lamp Multiplier: 15L x 0.26, 27L x 0.45, 37L x 0.67</td> <td colspan="4">CCT Multiplier: 50K x 1.07, 40K x 1.03, 30K x 0.983, 27K x 0.967</td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	17'	16'*	16	0.14	10	0.11	21'	18'**	15	0.13	12	0.13	25'	20''''	12	0.10	8	0.08	Delivered Illuminance Rating: (DIR)		113 FC per W/Sq. Ft.		93 FC per W/Sq. Ft.		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 3% *** Exceeds spacing criteria by -14% **** Exceeds spacing criteria by -24%						Lamp Multiplier: 15L x 0.26, 27L x 0.45, 37L x 0.67		CCT Multiplier: 50K x 1.07, 40K x 1.03, 30K x 0.983, 27K x 0.967			
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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. = 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 Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft. / Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <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.: $\text{W/ Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

