



A	B	C	D	S1	S2
4.7	.625	13.3	7.9	5.8	7.5
119.4 mm	15.9 mm	337.8 mm	200.7 mm	147.3 mm	190.5 mm

SGE6LEDGV - TRIM FLANGE / NON-IC RATED

APPLICATION

6" Round aperture shallow plenum recessed LED downlight for general illumination.

FEATURES

Two-stage optical system with medium depth reflector design delivers smooth glare-free general illumination. Tool-less LED module, driver, and J-Box access. Multi-Bar mounting brackets. BH27 Standard mounting bars included. Posi-lock trim retention springs. Integral 0.625" collar, with Deep Ceiling Extension (PR), consult factory.

TRIM FINISH

A variety of architectural powdercoat and anodized finishes are available.

Matte White flange is standard.

ELECTRONICS

GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 82. Higher CRI. A variety of electronic 120V/277V and dimming drivers available.

CONSTRUCTION

Housing/frame constructed of #20 ga. galvanized steel to resist corrosion. Self-flanged one piece trim spun from 0.063" thick high purity aluminum and finished to specification. Passive machined aluminum heatsink.

CODE COMPLIANCE

BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

WATTAGE TO LUMENS UPDATE					
CURRENT PART NUMBER EXAMPLE	PREVIOUS PART NUMBER EXAMPLE	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SGE6LEDGV15LJ/AR6222	SGE6LEDGV14W/AR6454	1500	1016	12	85
SGE6LEDGV27LJ/AR6222	SGE6LEDGV26W/AR6454	2700	1807	20	90
SGE6LEDGV37LJ/AR6222	SGE6LEDGV37W/AR6454	3700	2564	28	92
SGE6LEDGV55LJ/AR6222	N/A	5500	3767	41	92
SGE6LEDGV60LJ/AR6222	SGE6LEDGV55W/AR6454	6000	3751	41	91

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE ³	OPTIONS ⁴	TRIM	FINISH ⁷	TRIM OPTIONS	
SGE6LEDGV	15L 1500 Lm	27K 2700K	E_ Electronic Driver DS10_ 10% 0-10V DO10_ 1% 0-10V DS2W1 1% ELV/MLV, 120V DLTE1 1% Lutron® ELV/MLV, 120V DL3E_ 1% Lutron® EcoSystem® Face EL10_ 1% eldoLED ED01_ 0.1% eldoLED DALI_ DALI Control	1 120V 2 277V	BH27 ⁵ 27" Solid Bars H12 12" - 24" Expandable Bars H06 6" - 12" Expandable Bars CB24 24" C-Channel Bars EM Integral Emergency Battery FS Fusing EB Black Housing CR Corrosion Resistant PR ⁶ Deep Ceiling Extension GR Goof Ring AMB Anti Microbial Finish	AR6222GV ⁶	SG ⁹ Semi-Diffuse HZ Haze Full Diffuse MW Matte White MB Matte Black AC Anodic Champagne AS Anodic Sapphire PT Platinum Silver OB Oil Rubbed Bronze CH Charcoal AS Anodic Sapphire AM Anodic Malachite SN Sun Gold CO Copper Metallic GH Graphite AMB Anti Microbial Finish CC Custom Color	PF ¹⁰ Polished Flange SO ¹¹ Micro Prism Solite™ Lens FG Frosted Glass Lens GS Gasket for Flange WL Wet Location
	27L 2700 Lm	30K 3000K						
	37L 3700 Lm	35K 3500K						
	55L 5500 Lm	40K 4000K						
	60L 6000 Lm	50K 5000K						

EXAMPLE: SGE6LEDGV37L30KE1BH27/AR6222GVMW

NOTES:
1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with SG-SO 3 Contact Factory for Additional Options 4 See Product Options Page For Details 5 Standard Bar Hangers 6 Contact Factory
7 Contact Factory for Special Finishes 8 Matte White Flange Standard 9 Standard Finish 10 Flange Same Finish as Reflector 11 Standard Lens



PROJECT: _____
TYPE: _____



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PHOTOMETRIC DATA - 6" ROUND

SGE6LEDGV 60L 35K E1 AR6222GV SG SO

CANDLEPOWER CURVE TEST SP-00905	INTENSITY CANDELA 0° AZIMUTH	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 2		RCR 4				
	0.00°	0.00°	0° - 10°	438	12%	5.5'	160 fc	5.2'	80 fc	9'	4'	233	2.48	203	2.48
	0.00°	4,828	0° - 20°	1,460	39%	6.5'	114 fc	6.2'	57 fc	12'	6'	109	1.16	95	1.16
	5.00°	4,677	0° - 30°	2,582	69%	7.5'	86 fc	7.1'	43 fc	16'	8'	54	0.58	47	0.58
	10.00°	4,262	0° - 40°	3,377	90%	8.5'	67 fc	8.1'	33 fc	Delivered Illuminance Rating: (DIR)		94 FC per W/Sq. Ft.		82 FC per W/Sq. Ft.	
	15.00°	3,696	0° - 60°	3,744	100%	10.0'	48 fc	9.5'	24 fc	Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 + Average Footcandles at 2.5' Above Floor					
	20.00°	3,083	0° - 80°	3,749	100%	12.0'	34 fc	11.4'	17 fc						
	30.00°	1,859	0° - 90°	3,751	100%	14.0'	25 fc	13.3'	12 fc						
	40.00°	764	Total	3,751	100%	16.0'	19 fc	15.2'	9 fc						
	50.00°	162													
	60.00°	11													
	70.00°	2													
	80.00°	2													
90.00°	2														

Delivered Lumens: 3,751
Luminaire Watts: 41
LER: 91.49

CP at 0deg (Nadir): 4,828
CRI: 80+

Beam Angle: 50.83
Spacing Ratio: 0.76

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68, 55L x 0.98
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03

SGE6LEDGV 60L 35K E1 AR6222GV SG

CANDLEPOWER CURVE TEST SP-00906	INTENSITY CANDELA 0° AZIMUTH	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 2		RCR 4				
	0.00°	0.00°	0° - 10°	461	11%	5.5'	166 fc	5.4'	83 fc	9'	4'	249	2.48	217	2.48
	0.00°	5,016	0° - 20°	1,557	39%	6.5'	119 fc	6.4'	59 fc	12'	6'	116	1.16	102	1.16
	5.00°	4,892	0° - 30°	2,772	69%	7.5'	89 fc	7.4'	44 fc	16'	8'	58	0.58	50	0.58
	10.00°	4,514	0° - 40°	3,634	91%	8.5'	69 fc	8.3'	35 fc	Delivered Illuminance Rating: (DIR)		100 FC per W/Sq. Ft.		87 FC per W/Sq. Ft.	
	15.00°	3,936	0° - 60°	4,006	100%	10.0'	50 fc	9.8'	25 fc	Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 + Average Footcandles at 2.5' Above Floor					
	20.00°	3,295	0° - 80°	4,011	100%	12.0'	35 fc	11.8'	17 fc						
	30.00°	2,012	0° - 90°	4,012	100%	14.0'	26 fc	13.7'	13 fc						
	40.00°	804	Total	4,012	100%	16.0'	20 fc	15.7'	10 fc						
	50.00°	155													
	60.00°	13													
	70.00°	1													
	80.00°	1													
90.00°	1														

Delivered Lumens: 4,012
Luminaire Watts: 41
LER: 97.85

CP at 0deg (Nadir): 5,016
CRI: 80+

Beam Angle: 52.5
Spacing Ratio: 0.78

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68, 55L x 0.98
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03

