

SHALLOW RECESSED GRID CEILING SERIES



GC2208LEDGV

APPLICATIONS

2' x 2' grid ceiling fixture with choice of lenses. Designed to replace Metal Halide and Fluorescent high bay fixtures.

FEATURES

Design Lights Consortium qualified product. Single-stage optical system for smooth light distribution. 30K, 35K, and 40K available. 80 CRI minimum. Consult factory for high CRI, 27K, or special applications. LED module and driver designed for ease of maintenance and replacement.

FINISH

Multi-stage polyester powdercoat 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

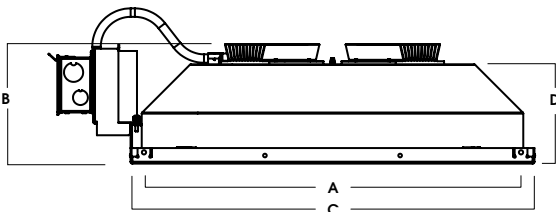
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+.

CONSTRUCTION

Housing constructed of fabricated galvanized steel to resist corrosion and absorb impacts. Extruded and machined 6063-T5 aluminum heat sink. Graphite gasket for optimal thermal management.

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	D
21.8	7.0	23.7	5.8
553.7 mm	177.8 mm	601.9 mm	147.3 mm

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
GC2208LEDGV110L	11000	8380	77	109
GC2208LEDGV150L	15000	11179	102	110
GC2208LEDGV220L	22000	16425	158	104

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE ³	OPTIONS	LENSES	FINISH ⁴	
GC2208LEDGV	110L 11000 Lm	30K 3000K	E_ Electronic Driver DS10_ 10% 0-10V DO10_ 1% 0-10V	1 120V 2 277V	FS Fusing EM1 Emergency Back Up (1500 Lm) 120V EM2 Emergency Back Up (1500 Lm) 277V GS Gasket	FO90 White Optical Lens PC Polycarbonate CN Conical Lens CNFR Conical Lens Frosted TJL Deep Conical Lens	
	150L 15000 Lm	35K 3500K					GW Gloss White MW Matte White MB Matte Black PT Platinum Silver CC Custom Color
	220L 22000 Lm	40K 4000K					
See Page 4 for Full Range of Color Options (83-90102)							

EXAMPLE: GC2208LEDGV150L35KE1/FO90GW

NOTES:
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K, 80 CRI with FO90 Lens 3 Contact Factory for Additional Options 4 See Color Page for More Options/Consult Factory for Special Finish



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.

SHALLOW RECESSED

GRID CEILING SERIES / PHOTOMETRIC DATA



GC2208LEDGV-220L-35K-EX-FO90

CANDLEPOWER CURVE TEST (SP-00405_8) CRT1707311037-011_004_M-GEN3-240L35K-220L	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° - 10°	586	4%	6.0'	170 fc	16.4'	17 fc	14'	10'	162	1.72	127	1.72
	0.00° 6,108	0° - 20°	2,226	14%	8.0'	95 fc	21.9'	10 fc	18'	12'	89	0.94	70	0.94
	5.00° 6,073	0° - 30°	4,679	28%	10.0'	61 fc	27.4'	6 fc	22'	16'	56	0.60	44	0.60
	10.00° 5,975	0° - 40°	7,587	46%	12.0'	42 fc	32.9'	4 fc	Delivered Illuminance Rating: (DIR) 94 FC per W/Sq. Ft. 74 FC per W/Sq. Ft.					
	15.00° 5,827	0° - 60°	13,179	80%	14.0'	31 fc	38.4'	3 fc						
	20.00° 5,598	0° - 80°	16,193	99%	16.0'	24 fc	43.8'	2 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					
	25.00° 5,015	0° - 90°	16,420	100%	20.0'	15 fc	54.8'	2 fc						
	30.00° 5,015	Total	16,420	100%	24.0'	11 fc	65.8'	1 fc						
	40.00° 4,261					Beam Angle: 107.74 Spacing Ratio: 1.21								
	45.00° 3,402					Lumen Multiplier: 110L x 0.51, 150L x 0.68 CCT Multiplier: 30K x 0.96, 40K x 1.03								
	50.00° 3,402													
	55.00° 2,471													
	60.00° 2,471													
65.00° 1,487														
70.00° 546														
80.00° 546														
90.00° 0														

Delivered Lumens: 16,420
 Luminaire Watts: 157.6
 LER: 104.19

CP at 0deg (Nadir): 6,108
 CRI: 83

GC2208LEDGV-220L-35K-EX-PC

CANDLEPOWER CURVE TEST (SP_00405_9) CRT1707311037-011_005_M-GEN3-240L35K-220L	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° - 10°	701	4%	6.0'	201 fc	14.4'	26 fc	14'	10'	128	1.19	147	1.72
	0.00° 7,253	0° - 20°	2,711	15%	8.0'	113 fc	19.2'	15 fc	18'	12'	101	0.94	81	0.94
	5.00° 7,217	0° - 30°	5,810	32%	10.0'	73 fc	24.0'	10 fc	22'	16'	64	0.60	51	0.60
	10.00° 7,185	0° - 40°	9,624	54%	12.0'	50 fc	28.8'	7 fc	Delivered Illuminance Rating: (DIR) 107 FC per W/Sq. Ft. 85 FC per W/Sq. Ft.					
	15.00° 7,123	0° - 60°	16,026	89%	14.0'	37 fc	33.6'	5 fc						
	20.00° 6,918	0° - 80°	17,867	100%	16.0'	28 fc	38.3'	4 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					
	25.00° 6,423	0° - 90°	17,935	100%	20.0'	18 fc	47.9'	2 fc						
	30.00° 6,423	Total	17,935	100%	24.0'	13 fc	57.5'	2 fc						
	40.00° 5,704					Beam Angle: 100.31 Spacing Ratio: 1.31								
	45.00° 3,683					Lumen Multiplier: 110L x 0.51, 150L x 0.68 CCT Multiplier: 30K x 0.96, 40K x 1.03								
	50.00° 3,683													
	55.00° 2,175													
	60.00° 2,175													
65.00° 564														
70.00° 564														
80.00° 189														
90.00° 0														

Delivered Lumens: 17,935
 Luminaire Watts: 157.6
 LER: 113.80

CP at 0deg (Nadir): 7,253
 CRI: 83

GC2208LEDGV-220L-35K-EX-CN

CANDLEPOWER CURVE TEST (SP-00405_6) 103172650CRT-003_M-27K-220L	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° - 10°	618	4%	6.0'	181 fc	16.0'	19 fc	14'	10'	172	1.72	135	1.72
	0.00° 6,506	0° - 20°	2,346	13%	8.0'	102 fc	21.4'	11 fc	18'	12'	95	0.94	74	0.94
	5.00° 6,392	0° - 30°	4,973	29%	10.0'	65 fc	26.7'	7 fc	22'	16'	60	0.60	47	0.60
	10.00° 6,265	0° - 40°	8,172	47%	12.0'	45 fc	32.0'	5 fc	Delivered Illuminance Rating: (DIR) 100 FC per W/Sq. Ft. 79 FC per W/Sq. Ft.					
	15.00° 6,055	0° - 60°	14,153	81%	14.0'	33 fc	37.4'	4 fc						
	20.00° 5,875	0° - 80°	17,080	98%	16.0'	25 fc	42.7'	3 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					
	25.00° 5,875	0° - 90°	17,414	100%	20.0'	16 fc	53.4'	2 fc						
	30.00° 5,513	Total	17,428	100%	24.0'	11 fc	64.1'	1 fc						
	40.00° 4,885					Beam Angle: 106.33 Spacing Ratio: 1.26								
	45.00° 3,713					Lumen Multiplier: 110L x 0.51, 150L x 0.68 CCT Multiplier: 30K x 0.96, 40K x 1.03								
	50.00° 3,713													
	55.00° 2,450													
	60.00° 2,450													
65.00° 1,412														
70.00° 1,412														
80.00° 581														
90.00° 84														

Delivered Lumens: 17,428
 Luminaire Watts: 157.6
 LER: 110.58

CP at 0deg (Nadir): 6,506
 CRI: 83

SHALLOW RECESSED

GRID CEILING SERIES / PHOTOMETRIC DATA



GC2208LEDGV-220L-35K-EX-CNFR

CANDLEPOWER CURVE TEST (SP-00405_7) CRT1707311037-011_003_M-GEN3-240L35K-220L	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°	624	4%	6.0'	185 fc	15.8'	20 fc	14'	10'	176	1.72	138	1.72
	5.00°	2,356	13%	8.0'	104 fc	21.1'	11 fc	18'	12'	97	0.94	76	0.94
	10.00°	4,997	28%	10.0'	67 fc	26.4'	7 fc	22'	16'	61	0.60	48	0.60
	15.00°	8,291	47%	12.0'	46 fc	31.7'	5 fc	Delivered Illuminance Rating: (DIR)					
	20.00°	14,569	82%	14.0'	34 fc	37.0'	4 fc						
	30.00°	17,499	98%	16.0'	26 fc	42.2'	3 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					
	40.00°	17,814	100%	20.0'	17 fc	52.8'	2 fc						
	50.00°	17,827	100%	24.0'	12 fc	63.4'	1 fc	103 FC per W/Sq. Ft. 81 FC per W/Sq. Ft.					
	60.00°												
	70.00°												
	80.00°												
	90.00°												

Delivered Lumens: 17,827
Luminaire Watts: 157.6
LER: 113.12

CP at 0deg (Nadir): 6,666
CRI: 83

Beam Angle: 105.7
Spacing Ratio: 1.27

Lumen Multiplier: 110L x 0.51, 150L x 0.68
CCT Multiplier: 30K x 0.96, 40K x 1.03

GC2208LEDGV-220L-35K-EX-TJL

CANDLEPOWER CURVE TEST (SP-00405_10) CRT1707311037-005_001_M-GEN3-240L35K-220L	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°	479	3%	6.0'	138 fc	16.9'	13 fc	14'	10'	145	1.72	113	1.72
	5.00°	1,841	12%	8.0'	78 fc	22.6'	8 fc	18'	12'	80	0.94	62	0.94
	10.00°	3,925	26%	10.0'	50 fc	28.2'	5 fc	22'	16'	50	0.60	39	0.60
	15.00°	6,428	42%	12.0'	35 fc	33.8'	3 fc	Delivered Illuminance Rating: (DIR)					
	20.00°	11,159	73%	14.0'	25 fc	39.5'	2 fc						
	30.00°	14,102	93%	16.0'	19 fc	45.1'	2 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					
	40.00°	14,867	98%	20.0'	12 fc	56.4'	1 fc						
	50.00°	15,245	100%	24.0'	9 fc	67.7'	1 fc	85 FC per W/Sq. Ft. 66 FC per W/Sq. Ft.					
	60.00°												
	70.00°												
	80.00°												
	90.00°												

Delivered Lumens: 15,245
Luminaire Watts: 157.6
LER: 96.73

CP at 0deg (Nadir): 4,975
CRI: 83

Beam Angle: 109.3
Spacing Ratio: 1.27

Lumen Multiplier: 110L x 0.51, 150L x 0.68
CCT Multiplier: 30K x 0.96, 40K x 1.03

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES / TRACK ADAPTER

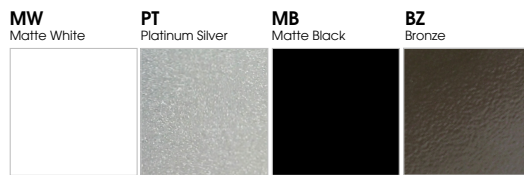
FIXTURE COLOR	STANDARD CORD COLOR / TRACK ADAPTER	STANDARD CANOPY / STEM COLOR
Matte White	Matte White	Matte White
Matte Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

