16" PRISMATIC
EXT SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

PREXT16GV

APPLICATION
16" Lumen Max GV series performance pendant for low, mid-bay and high-bay applications. Prismatic refractor provides horizontal and vertical distribution.

FEATURES
Extruded Fixture Housing (EXT) features a clean and modern design. Single-stage optical system for smooth light distribution. 80 CRI minimum. Consult factory for high CRI or special applications. LED module and driver designed for ease of maintenance and replacement. Posi-lock refractor retention ring will absorb shocks and impact. Optional safety cable. Variety of optical lenses and mounting methods.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.
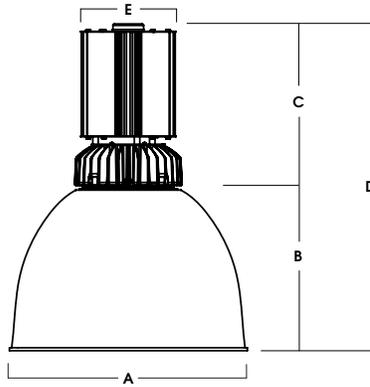
ELECTRONICS
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available, consult factory.

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.

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	E
16.2 411.5 mm	11.2 284.5 mm	10.7 271.8 mm	21.9 556.3 mm	6.5 165.1 mm

Fixture Weight: 7.8 lbs

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
PREXT16GV15L	1500	1281	10	128
PREXT16GV27L	2700	2237	18	124
PREXT16GV37L	3700	3281	26	126
PREXT16GV55L	5500	4832	39	124

SERIES	LUMENS[1]		CCT		DRIVER / DIMMING[3]		OPTIONS[4]		MOUNTING[5]		REFRACTOR		DIFFUSER OPTIONS				FINISH[11]	
PREXT16GV	15L	1500 Lm	27K	2700K	EX	Electronic Driver, 120V/277V	FS	Fusing	HM[6]	Hang Straight	DF16	16" Diffuse	DOOR		LENS		MW[12]	Matte White
	27L	2700 Lm	30K	3000K			E347	347V Driver	AT[6]	Hang Straight All Thread	PR16	16" Clear	DR16D[10]	16" Spun Door	CNFR	Conical Frosted Lens	MB[12]	Matte Black
	37L	3700 Lm	35K	3500K	DS10X	10% 0-10V, 120V/277V			PM[6]	Rigid Pendant	OP16	16" Opal	BC16	16" Band Clamp	CN	Conical Lens	PT[12]	Platinum Silver
	55L	5500 Lm	40K	4000K	DO10X	1% 0-10V, 120V/277V	SC1	Safety Cable	CD[6]	Cord / Cable Mount			RS16	16" Refractor Shroud	DL	Drop Lens	CC	Custom Color
			50K	5000K			SC2	Safety Cable, Refractor to Door	HC[6/7/8]	Hook & Cord					FO	White Optical Acrylic		
									NM2[7/8/9]	½" NPT Hub					PP	Prismatic Polycarbonate		See Page 5 for Full Range of Color Options (83-90081)
									NM3[7/8/9]	¾" NPT Hub					PC	Clear Polycarbonate		
							EMERGENCY BATTERY OPTIONS								WAG16	16" Wire Guard		
							EMCR	10W Canopy Mounted EM										
							EMRM	7W Remote EM										
							EMEN	7W Remote with Enclosure										

EXAMPLE: PREXT16GV15L27KEX/HM36/PR16/DR16DCN/MW

NOTES:
1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with PR16, No Lens 3 Contact Factory for Additional Options 4 See Product Options Page For Details 5 See Mounting Page for Details on Components and Finishes 6 Specify Length in Inches: See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 Not Available with EMCR 9 12" Leads Unless Specified 10 Same Finish as Housing 11 See Color Page for More Options/Consult Factory for Special Finishes 12 Standard Finishes

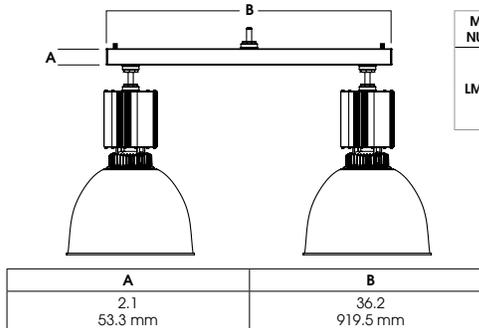## Spectrum Lighting

PROJECT:

QUANTITY:

TYPE:

ILLUMINATING WHAT'S POSSIBLE.

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.   83-20022_RE

16" PRISMATIC
EXT SERIES / FIXTURE OPTIONS

SERIES OPTIONS

SHOWN WITH PREXT16GV SERIES[1]

MODEL NUMBER	DESCRIPTION	OPTIONS		FINISH
LMX2BKT	Lumen Max Twin High bay Mounting Bar	NM2	1/2" Stem	MW
		NM3	3/4" Stem	MB
		NM1	1" Stem	BZ
		SC2X	2x Cable Balancers	PT

A	B
2.1 53.3 mm	36.2 919.5 mm

NOTES:
[1] Will Work With Any Spectrum Lumenmax Hi-bay From 12" to 22"

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER

MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT

CD
CORD / CABLE MOUNT

HC
HOOK CORD

NM / SM
NO MOUNT

Spectrum Lighting

16" PRISMATIC
EXT SERIES / PHOTOMETRIC DATA

PRxxx16LEDGV-55L-35K-EX-PR16

CANDLEPOWER CURVE

Delivered Lumens: 4,827
Luminaire Watts: 39
LER: 123.77

INTENSITY

0.00°	4,236
5.00°	4,044
10.00°	3,694
15.00°	3,361
20.00°	3,023
30.00°	2,461
40.00°	741
50.00°	399
60.00°	275
70.00°	181
80.00°	105
90.00°	62

CP at 0deg (Nadir): 4,236
CRI: 80+

ZONAL LUMENS

0° - 10°	380	8%
0° - 20°	1,325	27%
0° - 30°	2,602	54%
0° - 40°	3,555	74%
0° - 60°	4,252	88%
0° - 80°	4,622	96%
0° - 90°	4,709	98%
Total	4,827	100%

Beam Angle: 64.1
Spacing Ratio: 0.91

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
8.0 '	66 fc	10.1 '	33 fc
10.0 '	42 fc	12.6 '	21 fc
12.0 '	29 fc	15.1 '	14 fc
14.0 '	22 fc	17.6 '	11 fc
16.0 '	17 fc	20.2 '	8 fc
20.0 '	11 fc	25.2 '	5 fc
24.0 '	7 fc	30.2 '	4 fc
28.0 '	5 fc	35.3 '	3 fc

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 1		RCR 3	
		FC [+]	W/Sq. Ft.	FC [+]	W/Sq. Ft.
17'	12' [*]	38	0.29	26	0.24
21'	14' [**]	25	0.20	25	0.23
25'	16' [***]	19	0.15	16	0.15
Delivered Illuminance Rating: (DIR)		128 FC per W/Sq. Ft.		107 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 15%
[**] Exceeds spacing criteria by -1%
[***] Exceeds spacing criteria by -10%

Lamp Multiplier: 15L x x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971

Spectrum Lighting

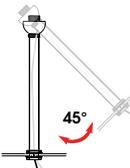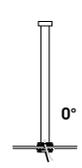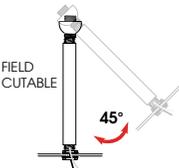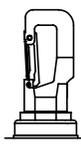ILLUMINATING WHAT'S POSSIBLE.

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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 LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.
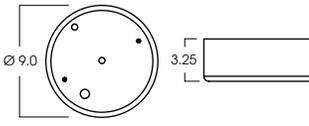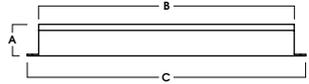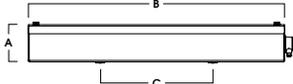
LUMEN MAX
HIGH BAY LUMINAIRES

MOUNTING TYPES

HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP

45°

ORDER: **HM** (Length)
SPECIFY LENGTH:

HM3 - 3"	**HM24 -** 24"
HM6 - 6"	**HM36 -** 36"
HM12 - 12"	**HM48 -** 48"
HM18 - 18"	**HM72 -** 72"

HMLC(XX)
Custom Length
(Specify in Inches)

PM*
RIDGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP

0°

ORDER: **PM** (Length)
SPECIFY LENGTH:

PM3 - 3"	**PM24 -** 24"
PM6 - 6"	**PM36 -** 36"
PM12 - 12"	**PM48 -** 48"
PM18 - 18"	**PM72 -** 72"

PMLC(XX)
Custom Length
(Specify in Inches)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP

FIELD
CUTABLE

45°

ORDER: **AT** (Length)
SPECIFY LENGTH:

AT12 - 12"
AT24 - 24"
AT36 - 36"

FIELD CUT THREADED PIPE
TO LENGTH NEEDED

CUT "PIPE COVER 3/4" SHORTER
THAN THREADED PIPE

SLIP "PIPE COVER" OVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

ADJUST AND LOCKS

ORDER: **CD** (Length)
SPECIFY LENGTH:

CD36 - 36"
CD72 - 72"
CD144 - 144"

CDLC(XX)
Custom Length
(Specify in Inches)

HC
HOOK & CORD
FOR INDEPENDENT MOUNTING

ORDER: **HC**

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

Ø 9.0   3.25

REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)

B
A
C

A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)

B
A
C

A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

ADDITIONS

FS - FUSING

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

LSP10 - SM - SURGE PROTECTOR

Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.

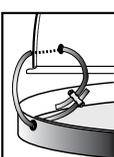surge protector

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.

SC2 - SAFETY CABLE

1/16" Stainless steel cable holds door to fixture

Spectrum Lighting

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.

SPECTRUM
POWDER COAT COLORS

STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured 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	$	🕐
Tier 2 - Typical Finishes	$$	🕐🕐
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW	GW	PT	MB	GB	BZ
Matte White	Gloss White	Platinum Silver	Matte Black	Gloss Black	Bronze

TIER 2 - TYPICAL FINISHES

TW	TB	MT*	OB*	SN	CO	BR	GH	CH	AL	VE
Textured White	Textured Black	Textured Silver	Oil Rubbed Bronze	Sun Gold	Copper Metallic	Brecchia	Graphite	Charcoal	Almond	Verde Green

BL	RD	OR	CM	PL	PG	TQ	SF	PK	AY	EG
Blue Streak	Red Baron	Orange	Camel	Purple	Pub Green	Turquoise	Sea Foam	Pink	Aero Yellow	Evergreen

LG	LB	BY	AK	AM	AZ	AS	AN	AC
Lime Green	Light Blue	Burgundy	Anodic Black	Anodic Malachite	Anodic Bronze	Anodic Sapphire	Anodic Natural	Anodic Champagne

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

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ILLUMINATING WHAT'S POSSIBLE.

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