



12" Low/Mid/High Bay 4900 Lm

Extruded Industrial Housing



PREXT12GV & ALEXT12GV

APPLICATION

12" Lumen Max GV series performance pendant for low, mid-bay and high-bay applications. Prismatic refractor provides horizontal and vertical distribution. Aluminum reflector designed for maximum downlight.

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. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion. Standard Matte White interior finish on reflectors.

ELECTRONICS

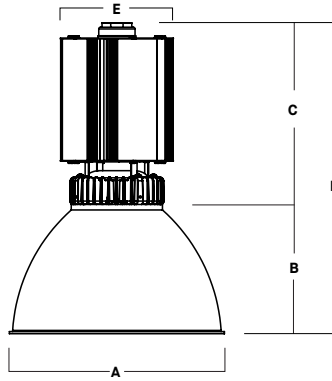
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80/90. Custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers.

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.

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
PRISMATIC	12.4 315.0 mm	7.4 188.0 mm	10.5 266.7 mm	17.9 454.7 mm	6.5 165.1 mm
ALUMINUM	12.5 317.5 mm	8.1 205.7 mm	10.5 266.7 mm	18.5 469.9 mm	6.5 165.1 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PREXT12GV15L	1323	10	132
PREXT12GV27L	2303	18	128
PREXT12GV37L	3381	26	130
PREXT12GV55L	4899	39	126

¹ Nominal Delivered Lumens at 35K with DF12/DR12A/CNFR

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH ⁵	MOUNTING OPTION ⁵	
PRISMATIC PREXT12GV	15L 1300 Lm 27L 2300 Lm 37L 3400 Lm 55L 4900 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 ₁ Hang Straight PM ₂ Rigid Pendant CD ₃ Cord / Cable Mount HC _{5/6/7} Hook & Cord NM2 _{8/7/8} ½" NPT Hub NM3 _{8/7/8} ¾" NPT Hub	PRISMATIC PR12 12" Clear DF12 12" Diffuse OP12 12" Opal	ACCESSORIES DR12A ⁹ 12" Spun Door BC12 12" Band Clamp RS12 12" Refractor Shroud	LENS CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate	SC2 Safety Cable Reflector to door	MW ¹¹ Matte White MB ¹¹ Matte Black PT ¹¹ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
ALUMINUM ALEXT12GV		90 CRI	27HK 2700K 30HK 3000K 35HK 3500K 40HK 4000K		EM. BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	ALUMINUM AL12/MW ¹² Matte White Inside AL12/FCI ¹² Fixture Color Inside	DR12AWAG ^{10/12} 12" Door with Wire Guard WAG12 ¹² 12" Wire Guard	FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate None			

EXAMPLE: PREXT12GV15L27KEX/HM36/PR12/DR12ACN/MW

NOTES:
¹ Nominal Delivered Lumens at 35K with DF12/DR12A/CNFR 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 Same Finish as Housing / For Use with Prismatic Shades Only ¹² No Color ¹³ Reference Color Sheet Located on Product Webpage for Full List of Available Colors ¹⁴ Standard Finishes ¹⁵ Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



12" PRISMATIC & ALUMINUM

EXT SERIES / FIXTURE OPTIONS



SERIES TYPE



PRISMATIC



STANDARD FINISHES

MW
MATTE WHITE



PREXT12GV HM MATTE WHITE

MB
MATTE BLACK



PREXT12GV HM MATTE BLACK

PT
PLATINUM SILVER



PREXT12GV HM PLATINUM SILVER

MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



PREXT12GV SHOWN WITH PM

CD
CORD / CABLE MOUNT



PREXT12GV SHOWN WITH CD

HC
HOOK CORD



PREXT12GV SHOWN WITH HC

NM
NO MOUNT



PREXT12GV 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

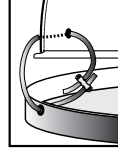
SC1 - Safety Cable

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.



SC2 - Safety Cable, Refractor to Door

1/16" Stainless steel cable holds door to fixture



OPTIONS

DOOR

DR12A-12" Spun Door
BC12-12" Band Clamp
RS12-12" Refractor Shroud

LENSES

CNFR-Conical Frosted Lens
CN-Conical Lens
DL-Drop Lens
FO-White Optical Acrylic
PP-Prismatic Polycarbonate
PC-Clear Polycarbonate



DR12A SHOWN WITH CN

DOOR & GUARD

DR12AWAG-12" Door with Wire Guard

LENSES

FO-White Optical Acrylic
PP-Prismatic Polycarbonate
PC-Clear Polycarbonate



DR12AWAG SHOWN WITH FO

GUARD OPTION

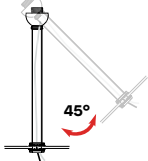
WAG12-12" Wire Guard



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

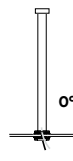


ORDER: **HM** (Length)
SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
Custom Length
(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM* - Ridgid Pendant Mount

RIGID 5/8" OD STEM - 3/8" IP



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)

CD - Cord / Cable Mount

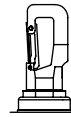
SJ CORD WITH 1/16 SS CABLE



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** (Length)
SPECIFY LENGTH:
HC36 - 36"
HC72 - 72"
HC144 - 144"
HCLC(XX)
Custom Length
(Specify in Inches)

NM2 - 1/2" NPT Hub

NM3 - 3/4" NPT Hub
FOR INDEPENDENT MOUNTING



ORDER: **NMX** (Length)
SPECIFY LENGTH:
NM2(12) - 12" Leads are Standard
NM3(12) - 12" Leads are Standard
NMXLC(XX)
Custom Length
(Specify in Inches)

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

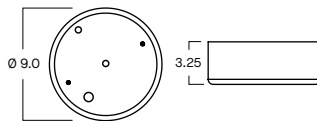
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



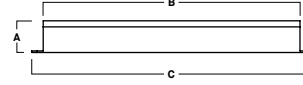
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W Remote Emergency Battery (50' Max)



A	B	C
1.3	12.6	13.0

EMEN* - 7W Remote Emergency Battery with Enclosure (50' Max)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY



12" PRISMATIC

EXT SERIES / PHOTOMETRIC DATA



PRxxx12GV 55L 35K XX PR12 MW

CANDLEPOWER CURVE TEST SP-00456_34	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT											
	0°	0° - 10°	577	11%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	6397	0° - 30°	3291							65%	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	20°	3603	0° - 60°	4828	95%	8'	100 fc	7.1'	38 fc	18'	9'	68	0.49	67	0.56
	40°	691	90° - 120°	37	1%	10'	64 fc	8.9'	24 fc	22'	11'	45	0.32	39	0.32
	60°	127	0° - 90°	5006	99%	12'	44 fc	10.7'	17 fc	26'	13'	33	0.24	25	0.21
	80°	31	90° - 150°	68	1%	14'	33 fc	12.5'	12 fc	Delivered Illuminance Rating: (DIR)					
	90°	17	90° - 180°	72	1%	16'	25 fc	14.3'	10 fc	139 FC per W/Sq. Ft. 119 FC per W/Sq. Ft.					
	100°	11	Total	5079	100%	20'	16 fc	17.8'	6 fc	3' Suspension Length to luminous aperture					
	120°	14				24'	11 fc	21.4'	4 fc	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					
	140°	11				28'	8 fc	25.0'	3 fc	* Average Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 6%					
	160°	5													
	180°	2													

Delivered Lumens: 5079
Luminaire Watts: 39
LER: 130.23

CP at 0° (Nadir): 6397
CRI: 83

Beam Angle: 50°
Spacing Ratio: 0.68

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

PRxxx12GV 55L 35K XX PR12 DR12A CNFR MW

CANDLEPOWER CURVE TEST SP-00456_29	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT											
	0°	0° - 10°	268	5%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	2760	0° - 30°	2150							44%	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	20°	2623	0° - 60°	4111	84%	8'	43 fc	6.1'	11 fc	18'	9'	63	0.49	38	0.36
	40°	1132	90° - 120°	267	5%	10'	28 fc	7.7'	7 fc	22'	11'	41	0.32	34	0.32
	60°	267	0° - 90°	4459	91%	12'	19 fc	9.2'	5 fc	26'	13'	27	0.21	22	0.21
	80°	63	90° - 150°	437	9%	14'	14 fc	10.8'	4 fc	Delivered Illuminance Rating: (DIR)					
	90°	38	90° - 180°	439	9%	16'	11 fc	12.3'	3 fc	128 FC per W/Sq. Ft. 105 FC per W/Sq. Ft.					
	100°	75	Total	4899	100%	20'	7 fc	15.4'	2 fc	3' Suspension Length to luminous aperture					
	120°	118				24'	5 fc	18.4'	1 fc	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					
	140°	39				28'	4 fc	21.5'	1 fc	* Average Footcandles at 2.5' Above Floor					
	160°	3													
	180°	2													

Delivered Lumens: 4899
Luminaire Watts: 39
LER: 125.62

CP at 0° (Nadir): 2760
CRI: 83

Beam Angle: 75°
Spacing Ratio: 1.15

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

PRxxx12GV 55L 35K XX PR12 DR12A CN MW

CANDLEPOWER CURVE TEST SP-00456_28	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT											
	0°	0° - 10°	279	6%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	2838	0° - 30°	2390							49%	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	20°	2921	0° - 60°	4267	88%	8'	44 fc	6.2'	11 fc	18'	9'	63	0.49	39	0.36
	40°	1166	90° - 120°	216	4%	10'	28 fc	7.8'	7 fc	22'	11'	41	0.32	35	0.32
	60°	167	0° - 90°	4493	93%	12'	20 fc	9.3'	5 fc	26'	13'	27	0.21	22	0.21
	80°	44	90° - 150°	357	7%	14'	14 fc	10.9'	4 fc	Delivered Illuminance Rating: (DIR)					
	90°	27	90° - 180°	359	7%	16'	11 fc	12.4'	3 fc	128 FC per W/Sq. Ft. 107 FC per W/Sq. Ft.					
	100°	62	Total	4852	100%	20'	7 fc	15.6'	2 fc	3' Suspension Length to luminous aperture					
	120°	97				24'	5 fc	18.7'	1 fc	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					
	140°	35				28'	4 fc	21.8'	1 fc	* Average Footcandles at 2.5' Above Floor					
	160°	3													
	180°	3													

Delivered Lumens: 4852
Luminaire Watts: 39
LER: 124.41

CP at 0° (Nadir): 2838
CRI: 83

Beam Angle: 76°
Spacing Ratio: 1.25

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06



12" PRISMATIC

EXT SERIES / PHOTOMETRIC DATA



PRxxx12GV 55L 35K XX PR12 DR12A DL MW

CANDLEPOWER CURVE TEST SP-00456_30	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				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°	2352	0° - 10°	228	5%	8'	37 fc	6.7'	8 fc	18'	9'	51	0.42	36	0.36
	20°	2428	0° - 30°	2009	44%	10'	24 fc	8.4'	5 fc	22'	11'	39	0.32	32	0.32
	40°	1212	0° - 60°	3951	87%	12'	16 fc	10.1'	4 fc	26'	13'	25	0.21	21	0.21
	60°	180	90° - 120°	223	5%	14'	12 fc	11.7'	3 fc	Delivered Illuminance Rating: (DIR)					
	80°	44	90° - 150°	368	8%	16'	9 fc	13.4'	2 fc	120 FC per W/Sq. Ft.					
	90°	27	0° - 90°	4192	92%	20'	6 fc	16.8'	1 fc	99 FC per W/Sq. Ft.					
	100°	65	90° - 180°	370	8%	24'	4 fc	20.1'	1 fc	3' Suspension Length to luminous aperture 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					
	120°	103	Total	4542	100%	28'	3 fc	23.5'	1 fc						
	140°	31													
	160°	3													
	180°	2													

Delivered Lumens: 4562
Luminaire Watts: 39
LER: 116.97

CP at 0° (Nadir): 2352
CRI: 83

Beam Angle: 80°
Spacing Ratio: 1.32

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

PRxxx12GV 55L 35K XX PR12 DR12A FO MW

CANDLEPOWER CURVE TEST SP-00456_31	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				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°	1242	0° - 10°	119	3%	8'	19 fc	13.1'	1 fc	18'	9'	53	0.49	30	0.36
	20°	1124	0° - 30°	941	21%	10'	12 fc	16.3'	1 fc	22'	11'	35	0.32	27	0.32
	40°	892	0° - 60°	2827	63%	12'	9 fc	19.6'	1 fc	26'	13'	23	0.21	17	0.21
	60°	587	90° - 120°	438	10%	14'	6 fc	22.9'	0 fc	Delivered Illuminance Rating: (DIR)					
	80°	175	90° - 150°	805	18%	16'	5 fc	26.1'	0 fc	109 FC per W/Sq. Ft.					
	90°	68	0° - 90°	3691	82%	20'	3 fc	32.7'	0 fc	83 FC per W/Sq. Ft.					
	100°	114	90° - 180°	807	18%	24'	2 fc	39.2'	0 fc	3' Suspension Length to luminous aperture 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					
	120°	220	Total	4498	100%	28'	2 fc	45.7'	0 fc						
	140°	80													
	160°	2													
	180°	2													

Delivered Lumens: 4498
Luminaire Watts: 39
LER: 115.33

CP at 0° (Nadir): 1242
CRI: 83

Beam Angle: 117°
Spacing Ratio: 1.20

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

PRxxx12GV 55L 35K XX PR12 DR12A PP MW

CANDLEPOWER CURVE TEST SP-00456_33	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				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°	4331	0° - 10°	395	9%	8'	68 fc	3.7'	25 fc	18'	9'	58	0.49	55	0.56
	20°	2791	0° - 30°	2298	50%	10'	43 fc	4.6'	16 fc	22'	11'	38	0.32	32	0.32
	40°	632	0° - 60°	3589	78%	12'	30 fc	5.5'	11 fc	26'	13'	28	0.24	20	0.21
	60°	247	90° - 120°	290	6%	14'	22 fc	6.5'	8 fc	Delivered Illuminance Rating: (DIR)					
	80°	116	90° - 150°	524	11%	16'	17 fc	7.4'	6 fc	118 FC per W/Sq. Ft.					
	90°	49	0° - 90°	4052	89%	20'	11 fc	9.2'	4 fc	98 FC per W/Sq. Ft.					
	100°	80	90° - 180°	526	11%	24'	8 fc	11.1'	3 fc	3' Suspension Length to luminous aperture 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					
	120°	146	Total	4578	100%	28'	6 fc	12.9'	2 fc						
	140°	63													
	160°	3													
	180°	2													

Delivered Lumens: 4578
Luminaire Watts: 39
LER: 117.38

CP at 0° (Nadir): 4331
CRI: 83

Beam Angle: 50°
Spacing Ratio: 0.76

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06



12" PRISMATIC

EXT SERIES / PHOTOMETRIC DATA



PRxx12GV 55L 35K XX PR12 DR12A PC MW

CANDLEPOWER CURVE TEST SP-00456_32	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT																												
	0°	0° - 10° 502 11%	Mounting Height AFF	<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>18'</td> <td>9'</td> <td>60</td> <td>0.49</td> <td>59</td> <td>0.56</td> </tr> <tr> <td>22'</td> <td>11'</td> <td>39</td> <td>0.32</td> <td>34</td> <td>0.32</td> </tr> <tr> <td>26'</td> <td>13'</td> <td>29</td> <td>0.24</td> <td>22</td> <td>0.21</td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	9'	60	0.49	59	0.56	22'	11'	39	0.32	34	0.32	26'	13'	29	0.24	22	0.21
	Ceiling Height	Fixture Spacing	RCR 1				RCR 3																									
			FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																										
	18'	9'	60	0.49	59	0.56																										
	22'	11'	39	0.32	34	0.32																										
	26'	13'	29	0.24	22	0.21																										
	0° 5512	0° - 30° 2880 63%	8' 86 fc 3.9' 31 fc	Delivered Illuminance Rating: (DIR) 123 FC per W/Sq. Ft. 105 FC per W/Sq. Ft.																												
	20° 3182	0° - 60° 4122 90%	10' 55 fc 4.8' 20 fc																													
	40° 510	90° - 120° 135 3%	12' 38 fc 5.8' 14 fc																													
	60° 127	90° - 150° 225 5%	14' 28 fc 6.8' 10 fc																													
	80° 49	0° - 90° 4333 95%	16' 22 fc 7.7' 8 fc																													
	90° 26	90° - 180° 227 5%	20' 14 fc 9.7' 5 fc																													
100° 43	Total 4560 100%	24' 10 fc 11.6' 3 fc																														
120° 56		28' 7 fc 13.5' 3 fc																														
140° 27																																
160° 3																																
180° 2																																

Delivered Lumens: 4560
Luminaire Watts: 39
LER: 116.92

CP at 0° (Nadir): 5512
CRI: 83

Beam Angle: 52°
Spacing Ratio: 0.69

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06



12" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx12GV 55L 35K XX AL12/MWI MW

CANDLEPOWER CURVE TEST SP-00456_13	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT						
	0°	0° - 10° 277 6%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	0° - 30° 2138 45%	FC at Center on Floor			FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	
	20°	0° - 60° 4199 88%	Beam Diameter	8'	18'	9'	62	0.49	37	0.36
	40°	90° - 120° 7 0%	FC at Beam Edge	10'	22'	11'	41	0.32	34	0.32
	60°	0° - 90° 4755 100%	12'	26'	13'	27	0.21	22	0.21	
	80°	90° - 150° 12 0%	14'	28'	Delivered Illuminance Rating: (DIR)		127 FC per W/Sq. Ft.		104 FC per W/Sq. Ft.	
	90°	0° - 180° 14 0%	15'	30'	3' Suspension Length to luminous aperture 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					
	100°	Total 4769 100%	16'	32'						
	120°		17'	34'						
	140°		18'	36'						
	160°		19'	38'						
	180°		20'	40'						

Delivered Lumens: 4769
Luminaire Watts: 39
LER: 122.28

CP at 0° (Nadir): 2918
CRI: 83

Beam Angle: 76°
Spacing Ratio: 1.17

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

ALxxx12GV 55L 35K XX AL12/MWI DR12A CNFR MW

CANDLEPOWER CURVE TEST SP-00456_8	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT						
	0°	0° - 10° 162 4%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	0° - 30° 1585 39%	FC at Center on Floor			FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	
	20°	0° - 60° 3488 87%	Beam Diameter	8'	18'	9'	45	0.42	31	0.36
	40°	90° - 120° 11 0%	FC at Beam Edge	10'	22'	11'	30	0.28	18	0.21
	60°	0° - 90° 3999 100%	12'	26'	13'	22	0.21	18	0.21	
	80°	90° - 150° 18 0%	14'	28'	Delivered Illuminance Rating: (DIR)		106 FC per W/Sq. Ft.		85 FC per W/Sq. Ft.	
	90°	0° - 180° 20 0%	15'	30'	3' Suspension Length to luminous aperture 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					
	100°	Total 4019 100%	16'	32'						
	120°		17'	34'						
	140°		18'	36'						
	160°		19'	38'						
	180°		20'	40'						

Delivered Lumens: 4019
Luminaire Watts: 39
LER: 103.05

CP at 0° (Nadir): 1586
CRI: 83

Beam Angle: 82°
Spacing Ratio: 1.40

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

ALxxx12GV 55L 35K XX AL12/MWI DR12A CN MW

CANDLEPOWER CURVE TEST SP-00456_7	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT						
	0°	0° - 10° 147 4%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	0° - 30° 1697 42%	FC at Center on Floor			FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	
	20°	0° - 60° 3570 88%	Beam Diameter	8'	18'	9'	45	0.42	31	0.36
	40°	90° - 120° 10 0%	FC at Beam Edge	10'	22'	11'	30	0.28	18	0.21
	60°	0° - 90° 4041 100%	12'	26'	13'	23	0.21	18	0.21	
	80°	90° - 150° 16 0%	14'	28'	Delivered Illuminance Rating: (DIR)		108 FC per W/Sq. Ft.		87 FC per W/Sq. Ft.	
	90°	0° - 180° 18 0%	15'	30'	3' Suspension Length to luminous aperture 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					
	100°	Total 4058 100%	16'	32'						
	120°		17'	34'						
	140°		18'	36'						
	160°		19'	38'						
	180°		20'	40'						

Delivered Lumens: 4058
Luminaire Watts: 39
LER: 104.05

CP at 0° (Nadir): 1380
CRI: 83

Beam Angle: 79°
Spacing Ratio: 1.51

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06



12" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx12GV 55L 35K XX AL12/MWI DR12A DL MW

CANDLEPOWER CURVE TEST SP-00456_9	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT																																																																	
	0°	0° - 10°	121	3%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</th> <th rowspan="2">Beam Diameter</th> <th rowspan="2">FC at Beam Edge</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>8'</td> <td>18 fc</td> <td>6.9'</td> <td>4 fc</td> <td>40</td> <td>0.42</td> <td>28</td> <td>0.36</td> </tr> <tr> <td>10'</td> <td>12 fc</td> <td>8.6'</td> <td>3 fc</td> <td>27</td> <td>0.28</td> <td>16</td> <td>0.21</td> </tr> <tr> <td>12'</td> <td>8 fc</td> <td>10.3'</td> <td>2 fc</td> <td>20</td> <td>0.21</td> <td>16</td> <td>0.21</td> </tr> <tr> <td>14'</td> <td>6 fc</td> <td>12.0'</td> <td>1 fc</td> <td colspan="2">96 FC per W/Sq. Ft.</td> <td colspan="2">77 FC per W/Sq. Ft.</td> </tr> <tr> <td>16'</td> <td>5 fc</td> <td>13.7'</td> <td>1 fc</td> <td colspan="4" rowspan="4"> 3' Suspension Length to luminous aperture 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 </td> </tr> <tr> <td>20'</td> <td>3 fc</td> <td>17.2'</td> <td>1 fc</td> </tr> <tr> <td>24'</td> <td>2 fc</td> <td>20.6'</td> <td>0 fc</td> </tr> <tr> <td>28'</td> <td>1 fc</td> <td>24.0'</td> <td>0 fc</td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 1		RCR 3		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	8'	18 fc	6.9'	4 fc	40	0.42	28	0.36	10'	12 fc	8.6'	3 fc	27	0.28	16	0.21	12'	8 fc	10.3'	2 fc	20	0.21	16	0.21	14'	6 fc	12.0'	1 fc	96 FC per W/Sq. Ft.		77 FC per W/Sq. Ft.		16'	5 fc	13.7'	1 fc	3' Suspension Length to luminous aperture 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				20'	3 fc	17.2'	1 fc	24'	2 fc	20.6'	0 fc	28'	1 fc	24.0'	0 fc
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge						RCR 1		RCR 3																																																									
						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																												
	8'	18 fc	6.9'	4 fc		40	0.42	28	0.36																																																												
	10'	12 fc	8.6'	3 fc		27	0.28	16	0.21																																																												
	12'	8 fc	10.3'	2 fc		20	0.21	16	0.21																																																												
	14'	6 fc	12.0'	1 fc		96 FC per W/Sq. Ft.		77 FC per W/Sq. Ft.																																																													
	16'	5 fc	13.7'	1 fc		3' Suspension Length to luminous aperture 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																																																															
	20'	3 fc	17.2'	1 fc																																																																	
	24'	2 fc	20.6'	0 fc																																																																	
	28'	1 fc	24.0'	0 fc																																																																	
	0°	0° - 30°	1416	39%																																																																	
	20°	0° - 60°	3197	89%																																																																	
40°	90° - 120°	8	0%																																																																		
60°	90° - 150°	14	0%																																																																		
80°	0° - 90°	3585	100%																																																																		
100°	90° - 180°	15	0%																																																																		
120°	Total	3600	100%																																																																		
140°																																																																					
160°																																																																					
180°																																																																					

Delivered Lumens: 3600
Luminaire Watts: 39
LER: 92.31

CP at 0° (Nadir): 1155
CRI: 83

Beam Angle: 82°
Spacing Ratio: 1.58

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

ALxxx12GV 55L 35K XX AL12/MWI DR12A FO MW

CANDLEPOWER CURVE TEST SP-00456_10	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT																																																																	
	0°	0° - 10°	128	4%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</th> <th rowspan="2">Beam Diameter</th> <th rowspan="2">FC at Beam Edge</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>8'</td> <td>21 fc</td> <td>10.9'</td> <td>2 fc</td> <td>46</td> <td>0.49</td> <td>26</td> <td>0.36</td> </tr> <tr> <td>10'</td> <td>13 fc</td> <td>13.6'</td> <td>1 fc</td> <td>30</td> <td>0.32</td> <td>23</td> <td>0.32</td> </tr> <tr> <td>12'</td> <td>9 fc</td> <td>16.4'</td> <td>1 fc</td> <td>20</td> <td>0.21</td> <td>15</td> <td>0.21</td> </tr> <tr> <td>14'</td> <td>7 fc</td> <td>19.1'</td> <td>1 fc</td> <td colspan="2">94 FC per W/Sq. Ft.</td> <td colspan="2">72 FC per W/Sq. Ft.</td> </tr> <tr> <td>16'</td> <td>5 fc</td> <td>21.8'</td> <td>1 fc</td> <td colspan="4" rowspan="4"> 3' Suspension Length to luminous aperture 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 </td> </tr> <tr> <td>20'</td> <td>3 fc</td> <td>27.3'</td> <td>0 fc</td> </tr> <tr> <td>24'</td> <td>2 fc</td> <td>32.7'</td> <td>0 fc</td> </tr> <tr> <td>28'</td> <td>2 fc</td> <td>38.2'</td> <td>0 fc</td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 1		RCR 3		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	8'	21 fc	10.9'	2 fc	46	0.49	26	0.36	10'	13 fc	13.6'	1 fc	30	0.32	23	0.32	12'	9 fc	16.4'	1 fc	20	0.21	15	0.21	14'	7 fc	19.1'	1 fc	94 FC per W/Sq. Ft.		72 FC per W/Sq. Ft.		16'	5 fc	21.8'	1 fc	3' Suspension Length to luminous aperture 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				20'	3 fc	27.3'	0 fc	24'	2 fc	32.7'	0 fc	28'	2 fc	38.2'	0 fc
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge						RCR 1		RCR 3																																																									
						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																												
	8'	21 fc	10.9'	2 fc		46	0.49	26	0.36																																																												
	10'	13 fc	13.6'	1 fc		30	0.32	23	0.32																																																												
	12'	9 fc	16.4'	1 fc		20	0.21	15	0.21																																																												
	14'	7 fc	19.1'	1 fc		94 FC per W/Sq. Ft.		72 FC per W/Sq. Ft.																																																													
	16'	5 fc	21.8'	1 fc		3' Suspension Length to luminous aperture 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																																																															
	20'	3 fc	27.3'	0 fc																																																																	
	24'	2 fc	32.7'	0 fc																																																																	
	28'	2 fc	38.2'	0 fc																																																																	
	0°	0° - 30°	1020	28%																																																																	
	20°	0° - 60°	2872	79%																																																																	
40°	90° - 120°	7	0%																																																																		
60°	90° - 150°	13	0%																																																																		
80°	0° - 90°	3601	100%																																																																		
100°	90° - 180°	14	0%																																																																		
120°	Total	3615	100%																																																																		
140°																																																																					
160°																																																																					
180°																																																																					

Delivered Lumens: 3615
Luminaire Watts: 39
LER: 92.69

CP at 0° (Nadir): 1336
CRI: 83

Beam Angle: 108°
Spacing Ratio: 1.21

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

ALxxx12GV 55L 35K XX AL12/MWI DR12A PP MW

CANDLEPOWER CURVE TEST SP-00456_12	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT																																																																	
	0°	0° - 10°	247	6%	<table border="1"> <thead> <tr> <th rowspan="2">Mounting Height AFF</th> <th rowspan="2">FC at Center on Floor</th> <th rowspan="2">Beam Diameter</th> <th rowspan="2">FC at Beam Edge</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>8'</td> <td>41 fc</td> <td>5.0'</td> <td>12 fc</td> <td>50</td> <td>0.49</td> <td>30</td> <td>0.36</td> </tr> <tr> <td>10'</td> <td>26 fc</td> <td>6.3'</td> <td>8 fc</td> <td>33</td> <td>0.32</td> <td>27</td> <td>0.32</td> </tr> <tr> <td>12'</td> <td>18 fc</td> <td>7.6'</td> <td>5 fc</td> <td>25</td> <td>0.24</td> <td>18</td> <td>0.21</td> </tr> <tr> <td>14'</td> <td>13 fc</td> <td>8.8'</td> <td>4 fc</td> <td colspan="2">103 FC per W/Sq. Ft.</td> <td colspan="2">84 FC per W/Sq. Ft.</td> </tr> <tr> <td>16'</td> <td>10 fc</td> <td>10.1'</td> <td>3 fc</td> <td colspan="4" rowspan="4"> 3' Suspension Length to luminous aperture 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 </td> </tr> <tr> <td>20'</td> <td>7 fc</td> <td>12.6'</td> <td>2 fc</td> </tr> <tr> <td>24'</td> <td>5 fc</td> <td>15.1'</td> <td>1 fc</td> </tr> <tr> <td>28'</td> <td>3 fc</td> <td>17.7'</td> <td>1 fc</td> </tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 1		RCR 3		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	8'	41 fc	5.0'	12 fc	50	0.49	30	0.36	10'	26 fc	6.3'	8 fc	33	0.32	27	0.32	12'	18 fc	7.6'	5 fc	25	0.24	18	0.21	14'	13 fc	8.8'	4 fc	103 FC per W/Sq. Ft.		84 FC per W/Sq. Ft.		16'	10 fc	10.1'	3 fc	3' Suspension Length to luminous aperture 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				20'	7 fc	12.6'	2 fc	24'	5 fc	15.1'	1 fc	28'	3 fc	17.7'	1 fc
	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge						RCR 1		RCR 3																																																									
						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																												
	8'	41 fc	5.0'	12 fc		50	0.49	30	0.36																																																												
	10'	26 fc	6.3'	8 fc		33	0.32	27	0.32																																																												
	12'	18 fc	7.6'	5 fc		25	0.24	18	0.21																																																												
	14'	13 fc	8.8'	4 fc		103 FC per W/Sq. Ft.		84 FC per W/Sq. Ft.																																																													
	16'	10 fc	10.1'	3 fc		3' Suspension Length to luminous aperture 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																																																															
	20'	7 fc	12.6'	2 fc																																																																	
	24'	5 fc	15.1'	1 fc																																																																	
	28'	3 fc	17.7'	1 fc																																																																	
	0°	0° - 30°	1720	44%																																																																	
	20°	0° - 60°	3382	87%																																																																	
40°	90° - 120°	7	0%																																																																		
60°	90° - 150°	13	0%																																																																		
80°	0° - 90°	3877	100%																																																																		
100°	90° - 180°	15	0%																																																																		
120°	Total	3892	100%																																																																		
140°																																																																					
160°																																																																					
180°																																																																					

Delivered Lumens: 3892
Luminaire Watts: 39
LER: 99.79

CP at 0° (Nadir): 2604
CRI: 83

Beam Angle: 65°
Spacing Ratio: 0.94

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06



12" ALUMINUM

DDH SERIES / PHOTOMETRIC DATA



ALxxx12GV 55L 35K XX AL12/MWI DR12A PC MW

CANDLEPOWER CURVE TEST SP-00456_11	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT								
		0°	0° - 10°	241	6%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 1		RCR 3		
	0°	2539	0° - 30°	1857	48%	8'	40 fc	5.7'	11 fc	18'	9'	51	0.49	31	0.36	
	20°	2204	0° - 60°	3456	89%	10'	25 fc	7.1'	7 fc	22'	11'	33	0.32	27	0.32	
	40°	750	90° - 120°	6	0%	12'	18 fc	8.5'	5 fc	24'	13'	22	0.21	18	0.21	
	60°	342	90° - 150°	11	0%	14'	13 fc	9.9'	4 fc	Delivered Illuminance Rating: (DIR) 104 FC per W/Sq. Ft. 85 FC per W/Sq. Ft.						
	80°	58	0° - 90°	3867	100%	16'	10 fc	11.4'	3 fc							
	90°	3	90° - 180°	13	0%	20'	6 fc	14.2'	2 fc	3' Suspension Length to luminous aperture 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						
	100°	2	Total	3881	100%	24'	4 fc	17.0'	1 fc							
	120°	2				28'	3 fc	19.9'	1 fc							
	140°	3														
	160°	3														
	180°	2														

Delivered Lumens: 3881
Luminaire Watts: 39
LER: 99.51

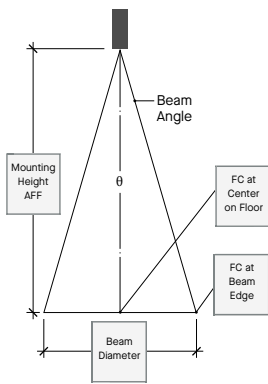
CP at 0° (Nadir): 2539
CRI: 83

Beam Angle: 71°
Spacing Ratio: 1.13

Lumen Multiplier: 15L x 0.27, 27L x 0.46, 37L x 0.68
CCT Multiplier: 27K x 0.97, 30K x 0.99, 40K x 1.03
50K x 1.06

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.

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

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

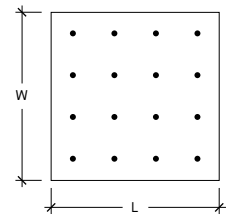
- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC_H Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

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 = Chart Spacing² ÷ Different Spacing² x Chart FC
- To estimate Sq. Ft. per fixture for a specific target FC:
Sq. Ft. / Fixture = Chart FC x Chart Spacing² ÷ Target FC



- To estimate Fixture Quantity in a room:
Fixture Qty. = Sq. Ft. of Rm. ÷ Sq. Ft. per fixture
- To estimate Watts/Sq. Ft.:
W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.