



22" Low/Mid/High Bay 13650 Lm

Extruded Industrial Housing



PREXL22LX & ALEXL22LX

APPLICATION

22" Lumen Max LX 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 (EXL) designed for Integral EM 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 of 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

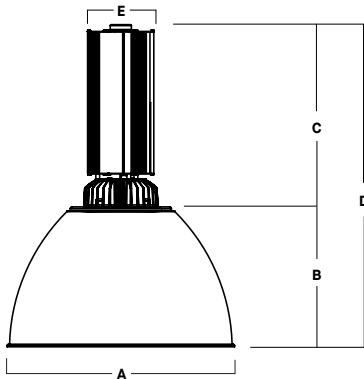
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

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	22.4 569.0 mm	13.6 345.4 mm	18.2 462.3 mm	31.9 810.3 mm	6.6 167.6 mm
ALUMINUM	22.4 569.0 mm	9.0 228.6 mm	18.2 462.3 mm	27.2 690.9 mm	6.6 167.6 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PREXL22LX65L	7105	52	137
PREXL22LX100L	10079	80	126
PREXL22LX130L	12906	98	132
PREXL22LX140L	13659	107	128

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

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH ¹³	MOUNTING OPTION ¹⁵
PRISMATIC PREXL22LX	65L 7100 Lm 100L 10100 Lm 130L 12900 Lm 140L 13650 Lm	27K 2700K 30K 3000K 35K 3500K 40K 4000K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 0-10V, 120V/277V DO103 1%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit SC1 Safety Cable	HM ⁵ Hang Straight PM ⁵ Rigid Pendant CD ⁵ Cord / Cable Mount HC ^{5/67} Hook & Cord NM2 ^{6/7/8} ½" NPT Hub NM3 ^{6/7/8} ¾" NPT Hub	PRISMATIC PR22 22" Clear DF22 22" Diffuse	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION) ACCESSORIES DR22A ¹⁰ 22" Spun Door BC22 22" Band Clamp RS22 22" Refractor Shroud AL22/MWI ¹¹ Matte White Inside AL22/FCI ¹¹ Fixture Color Inside DR22AWAG ^{10/12} 22" Door with Wire Guard WAG22 ¹² 22" Wire Guard	SC2 Safety Cable Reflector to door	MW ¹³ Matte White MB ¹³ Matte Black PT ¹³ Platinum Silver Custom Color CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
ALUMINUM ALEXL22LX					EM. BATTERY OPTIONS EMIT 7W Emergency Battery Test Switch EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure		FO White Optical Acrylic CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate None			

EXAMPLE: ALEXL22LX100L35KEX/PM48/AL22/MWI/DR22AFO/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 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: _____



22" PRISMATIC & ALUMINUM EXL SERIES



SERIES TYPE

ALUMINUM

BOTTOM VIEW



ALEXL22LX MATTE WHITE WITH TF3

PRISMATIC

BOTTOM VIEW



PREXL22LX MATTE WHITE WITH TF3

STANDARD FINISHES

MW MATTE WHITE



PRETL22LX HM MATTE WHITE

MB MATTE BLACK



PRETL22LX HM MATTE BLACK

PT PLATINUM SILVER



PRETL22LX HM PLATINUM SILVER

MOUNTING TYPES

HM / PM HANG STRAIGHT / PENDANT



PRETL22LX SHOWN WITH PM

CD CORD / CABLE MOUNT



PRETL22LX SHOWN WITH CD

HC HOOK CORD



PRETL22LX SHOWN WITH HC

NM NO MOUNT



PRETL22LX 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

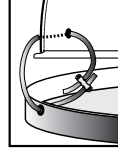
SC1 - Safety Cable

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

DIFFUSER

TF3-6" Frosted Diffuser



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 WITH FO

GUARD OPTION

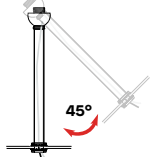
WAG22-22" Wire Guard



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

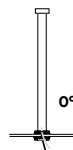


ORDER: **HM** (Length)
 SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
 Custom Length
 (Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM* - Ridgid Pendant Mount

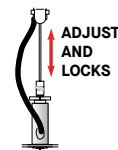
RIGID 5/8" OD STEM - 3/8" IP



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

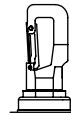
SJ CORD WITH 1/16 SS CABLE



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.

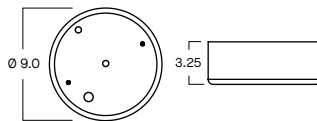
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



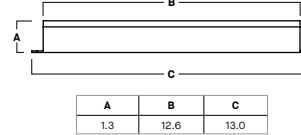
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery

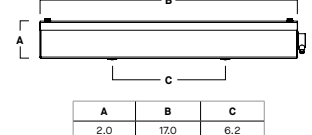


REMOTE EMERGENCY BATTERY OPTIONS

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



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



*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY



22" PRISMATIC

EXL SERIES / PHOTOMETRIC DATA



PRAF22LEDLX 140L 35K xx DF22 xx

CANDLEPOWER CURVE TEST SP-01544_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
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Delivered Lumens: 13592
Luminaire Watts: 107
LER: 127.03

CP at 0° (Nadir): 8482
CRI: 80+

PRAF22LEDLX 140L 35K xx DF22 TF3 xx

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15° 7130	0° - 40° 7792 65%			<table border="1"> <thead> <tr> <th>Lumen Multiplier: 130L x .939</th> <th>CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</th> </tr> </thead> </table>	Lumen Multiplier: 130L x .939		CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																													
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25° 5839	0° - 60° 9488 79%																																																																			
35° 4110	0° - 80° 10643 89%																																																																			
45° 1061	0° - 90° 11052 92%																																																																			
55° 814	90° 321																																																																			
90° 321	Total 11997 100%																																																																			

Delivered Lumens: 11997
Luminaire Watts: 107
LER: 112.12

CP at 0° (Nadir): 7516
CRI: 80+

PRAF22LEDLX 140L 35K xx PR22 xx

CANDLEPOWER CURVE TEST SP-01499_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 1134 8%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter of Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>169 fc</td><td>9.5'</td><td>54 fc</td></tr> <tr><td>10'</td><td>108 fc</td><td>11.9'</td><td>34 fc</td></tr> <tr><td>12'</td><td>75 fc</td><td>14.3'</td><td>24 fc</td></tr> <tr><td>14'</td><td>55 fc</td><td>16.7'</td><td>17 fc</td></tr> <tr><td>16'</td><td>42 fc</td><td>19.1'</td><td>13 fc</td></tr> <tr><td>20'</td><td>27 fc</td><td>23.9'</td><td>9 fc</td></tr> <tr><td>24'</td><td>19 fc</td><td>28.6'</td><td>6 fc</td></tr> <tr><td>28'</td><td>14 fc</td><td>33.4'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	169 fc	9.5'	54 fc	10'	108 fc	11.9'	34 fc	12'	75 fc	14.3'	24 fc	14'	55 fc	16.7'	17 fc	16'	42 fc	19.1'	13 fc	20'	27 fc	23.9'	9 fc	24'	19 fc	28.6'	6 fc	28'	14 fc	33.4'	4 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</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>12'</td><td>101</td><td>0.81</td><td>56</td><td>0.52</td></tr> <tr><td>22'</td><td>14'</td><td>56</td><td>0.45</td><td>69</td><td>0.64</td></tr> <tr><td>26'</td><td>16'</td><td>51</td><td>0.41</td><td>44</td><td>0.41</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	101	0.81	56	0.52	22'	14'	56	0.45	69	0.64	26'	16'	51	0.41	44	0.41
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0° 10812	0° - 20° 4616 34%	<table border="1"> <thead> <tr> <th>Beam Angle: 62°</th> <th>Spacing Ratio: 1.06</th> <th>Melanopic Ratio: 0.55</th> </tr> </thead> </table>	Beam Angle: 62°	Spacing Ratio: 1.06	Melanopic Ratio: 0.55	<table border="1"> <thead> <tr> <th colspan="2">Delivered Illuminance Rating: (DIR)</th> <th colspan="2">125 FC per W/Sq. Ft.</th> <th colspan="2">108 FC per W/Sq. Ft.</th> </tr> </thead> </table>	Delivered Illuminance Rating: (DIR)		125 FC per W/Sq. Ft.		108 FC per W/Sq. Ft.																																																									
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5° 11386	0° - 30° 8927 65%		<table border="1"> <thead> <tr> <th colspan="2">4' Suspension Length to luminous aperture</th> <th colspan="2">Square rooms used for multiple units:</th> </tr> <tr> <td colspan="2">RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00</td> <td colspan="2">RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50</td> </tr> <tr> <td colspan="4">* Average Initial Footcandles at 2.5' Above Floor</td> </tr> </thead> </table>	4' Suspension Length to luminous aperture			Square rooms used for multiple units:		RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00		RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50		* Average Initial Footcandles at 2.5' Above Floor																																																							
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15° 12769	0° - 40° 11598 85%			<table border="1"> <thead> <tr> <th>Lumen Multiplier: 130L x .945</th> <th>CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</th> </tr> </thead> </table>	Lumen Multiplier: 130L x .945		CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																													
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25° 9738	0° - 60° 12794 94%																																																																			
35° 4295	0° - 80° 13140 96%																																																																			
45° 824	0° - 90° 13229 97%																																																																			
55° 463	90° 78																																																																			
90° 78	Total 13659 100%																																																																			

Delivered Lumens: 13659
Luminaire Watts: 107
LER: 127.65

CP at 0° (Nadir): 10812
CRI: 80+



22" PRISMATIC

EXL SERIES / PHOTOMETRIC DATA



PRAF22LEDLX 140L 35K xx DF22 xx

CANDLEPOWER CURVE TEST SP-01544_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT
	0°	0° - 10° 833 6%	Mounting Distance	Ceiling Height
	0° 8482	0° - 20° 3122 23%	FC at Beam Center	Fixture Spacing
	5° 8601	0° - 30° 6248 46%	Diameter at Beam Angle	FC *
	15° 8260	0° - 40° 9096 67%	FC at Beam Edge	W/Sq. Ft.
	25° 6914	0° - 60° 10983 81%		FC *
	35° 4980	0° - 80° 12221 90%		W/Sq. Ft.
	45° 1171	0° - 90° 12628 93%		FC *
	55° 927	Total 13592 100%		W/Sq. Ft.
	90° 316			FC *
				W/Sq. Ft.
				W/Sq. Ft.

Delivered Lumens: 13592
Luminaire Watts: 107
LER: 127.03

CP at 0° (Nadir): 8482
CRI: 80+

Beam Angle: 72°
Spacing Ratio: 1.09
Melanopic Ratio: 0.55

Lumen Multiplier: 130L x .930
CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949

PRxxx22LX-140L-35K-EX-DF22

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
	0.00°	0° - 10° 776 5%	Mounting Height AFF	Ceiling Height
	0.00° 7,914	0° - 20° 2,974 21%	FC at Center on Floor	Fixture Spacing
	20.00° 7,314	0° - 30° 6,050 43%		FC *
	40.00° 2,734	0° - 40° 9,018 63%		W/Sq. Ft.
	60.00° 856	0° - 60° 10,965 77%		FC *
	80.00° 486	0° - 80° 12,315 87%		W/Sq. Ft.
	90.00° 352	0° - 90° 12,767 90%		FC *
	100.00° 278	Total 14,229 100%		W/Sq. Ft.
	110.00° 229			FC *
	120.00° 201			W/Sq. Ft.
	140.00° 200			FC *
160.00° 225			W/Sq. Ft.	
180.00° 216			FC *	

Delivered Lumens: 14,229
Luminaire Watts: 126
LER: 112.93

CP at 0deg (Nadir): 7,914
CRI: 85+

Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93
CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959

PRxxx22LEDLX-140L-35K-E1-XXXX-PR22

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
	0.00°	0° - 10° 1,033 8%	Mounting Height AFF	Ceiling Height
	0.00° 9,341	0° - 20° 4,060 33%	FC at Center on Floor	Fixture Spacing
	20.00° 10,049	0° - 30° 7,872 65%		FC *
	40.00° 1,737	0° - 40° 10,281 84%		W/Sq. Ft.
	60.00° 221	0° - 60° 11,264 92%		FC *
	80.00° 107	0° - 80° 11,542 95%		W/Sq. Ft.
	90.00° 55	0° - 90° 11,621 95%		FC *
	100.00° 55	Total 12,193 100%		W/Sq. Ft.
	110.00° 73			FC *
	120.00° 71			W/Sq. Ft.
	140.00° 121			FC *
160.00° 172			W/Sq. Ft.	
180.00° 206			FC *	

Delivered Lumens: 12,193
Luminaire Watts: 126
LER: 96.77

CP at 0deg (Nadir): 9,341
CRI: 85

Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L x 1.42
CCT Multiplier: 40K x 1.03, 30K x 0.98, 27K x 0.96



22" ALUMINUM

EXL SERIES / PHOTOMETRIC DATA



ALDDH22LEDLX 140L 35K xx AL22 MWI xx

CANDLEPOWER CURVE TEST SP-01485_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 629 4%	8'	102 fc	18.2'	15 fc	18'	12'	99	0.81	52	0.52	
	0°	0° - 20° 2397 17%	10'	66 fc	22.7'	9 fc	22'	14'	54	0.45	64	0.64	
	5°	0° - 30° 5078 36%	12'	46 fc	27.2'	7 fc	26'	16'	50	0.41	40	0.41	
	15°	0° - 40° 8364 60%	14'	33 fc	31.8'	5 fc	Delivered Illuminance Rating: (DIR)		122 FC per W/Sq. Ft.		99 FC per W/Sq. Ft.		
	25°	0° - 60° 12725 91%	16'	26 fc	36.3'	4 fc	4' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	35°	0° - 80° 13863 99%	20'	16 fc	45.4'	2 fc							
	45°	0° - 90° 13970 100%	24'	11 fc	54.5'	2 fc							
	55°	Total 13991 100%	28'	8 fc	63.6'	1 fc							
	6500 cd	90° 11											

Delivered Lumens: 13991 CP at 0° (Nadir): 6552 Beam Angle: 97° Lumen Multiplier: 130L x .935
 Luminaire Watts: 107 LER: 130.76 Spacing Ratio: 1.25 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949
 CRI: 80+ Melanopic Ratio: 0.55

ALDDH22LEDLX 140L 35K xx AL22 MWI TF3 xx

CANDLEPOWER CURVE TEST SP-01488_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
			Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0°	0° - 10° 541 4%	8'	88 fc	18.1'	13 fc	18'	12'	85	0.81	44	0.52	
	0°	0° - 20° 2054 17%	10'	57 fc	22.7'	8 fc	22'	14'	47	0.45	55	0.64	
	5°	0° - 30° 4327 36%	12'	39 fc	27.2'	6 fc	26'	16'	43	0.41	35	0.41	
	15°	0° - 40° 7084 59%	14'	29 fc	31.7'	4 fc	Delivered Illuminance Rating: (DIR)		105 FC per W/Sq. Ft.		85 FC per W/Sq. Ft.		
	25°	0° - 60° 10890 90%	16'	22 fc	36.3'	3 fc	4' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor						
	35°	0° - 80° 11923 99%	20'	14 fc	45.3'	2 fc							
	45°	0° - 90° 12018 100%	24'	10 fc	54.4'	1 fc							
	55°	Total 12052 100%	28'	7 fc	63.4'	1 fc							
	5500 cd	90° 5											

Delivered Lumens: 12052 CP at 0° (Nadir): 5659 Beam Angle: 97° Lumen Multiplier: 130L x .950
 Luminaire Watts: 107 LER: 112.64 Spacing Ratio: 1.21 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949
 CRI: 80+ Melanopic Ratio: 0.53

ALxxx22LEDLX

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						
			Mounting Height AFF	FC at Center on Floor	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0.00°	0° - 10° 717 6%	10.0'	69 fc	22'	16'	50	0.52	26	0.34	
	0.00°	0° - 20° 2,341 18%	12.0'	48 fc	26'	18'	32	0.33	37	0.48	
	20.00°	0° - 30° 4,726 36%	14.0'	35 fc	32'	20'	27	0.28	22	0.28	
	40.00°	0° - 40° 7,613 59%	16.0'	27 fc	Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		78 FC per W/Sq. Ft.		
	60.00°	0° - 60° 12,120 93%	20.0'	17 fc	2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50 * Average Footcandles at 2.5' Above Floor ** Exceeds spacing criteria by -2% *** Exceeds spacing criteria by -12% **** Exceeds spacing criteria by -25%						
	80.00°	0° - 80° 12,902 99%	24.0'	12 fc							
	90.00°	0° - 90° 12,995 100%	28.0'	9 fc							
	90.00°	Total 12,995 100%	32.0'	7 fc							
	7000 cd	90.00° 4									

Delivered Lumens: 12,995 CP at 0deg (Nadir): 6,928 Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93
 Luminaire Watts: 126 LER: 103.13 CRI: 85 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959



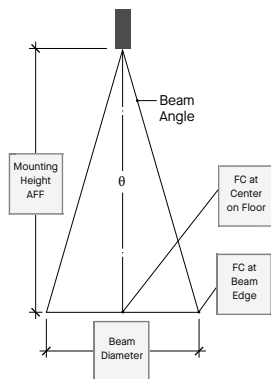
22" ALUMINUM

EXL SERIES / PHOTOMETRIC DATA



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.

$$FC_{H} = CP \times (\cos \theta) \div D^2$$

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

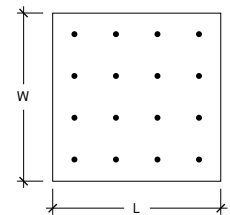
- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC_{H} Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

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. 4' 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):
 $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$
- To estimate Sq. Ft. per fixture for a specific target FC:
 $\text{Sq. Ft. / Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$



- 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.:
 $\text{W/ Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

