



## 22" Low/Mid/High Bay 13650 Lm

Extruded Industrial Housing



### PREXT22LX & ALEXT22LX

#### 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 (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.

#### ELECTRONICS

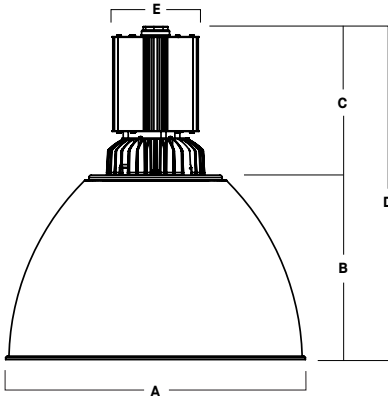
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

#### 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 mm	13.7 348 mm	12.5 317.5 mm	26.2 665.5 mm	6.6 167.6 mm
ALUMINUM	22.4 569.0 mm	9.0 228.6 mm	12.5 317.5 mm	21.5 546.1 mm	6.6 167.6 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
PREXT22LX65L	7105	52	137
PREXT22LX100L	10079	80	126
PREXT22LX130L	12906	98	132
PREXT22LX140L	13659	107	128

<sup>1</sup> Nominal Delivered Lumens at 35K with PR22, No Lens

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	SAFETY OPTIONS <sup>3</sup>	MOUNTING <sup>4</sup>	SHADE	ENCLOSURE OPTIONS	OPTIONS	FINISH <sup>13</sup>	MOUNTING OPTION <sup>15</sup>
PRISMATIC PREXT22LX	65L 7100 Lm	27K 2700K	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 <sup>5</sup> Hang Straight PM <sup>5</sup> Rigid Pendant CD <sup>5</sup> Cord / Cable Mount HC <sup>5,6/7</sup> Hook & Cord NM2 <sup>9/7/8</sup> ½" NPT Hub NM3 <sup>9/7/8</sup> ¾" NPT Hub	PRISMATIC PR22 22" Clear DF22 22" Diffuse	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OPTION)	SC2 Safety Cable Reflector to door	MW <sup>14</sup> Matte White MB <sup>14</sup> Matte Black PT <sup>14</sup> Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	100L 10100 Lm	30K 3000K								
ALUMINUM ALEXT22LX	130L 12900 Lm	35K 3500K			EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	AL22/MWI <sup>13</sup> Matte White Inside AL22/FCI <sup>13</sup> Fixture Color Inside	DR22AWAG <sup>10/12</sup> 22" Door with Wire Guard WAG22 <sup>11</sup> 22" Wire Guard	DR22A 22" Spun Door BC22 22" Band Clamp RS22 <sup>11</sup> 22" Refractor Shroud	CNFR Conical Frosted Lens CN Conical Lens DL Drop Lens FO White Optical Acrylic PP Prismatic Polycarbonate PC Clear Polycarbonate	

**EXAMPLE:** ALEXT22LX100L35KEX/PM48/AL22/MWI/DR22AFO/MW

**NOTES:**  
<sup>1</sup> Nominal Delivered Lumens at 35K with PR22, No Lens <sup>2</sup> Contact Factory for Additional Options <sup>3</sup> See Product Options Page For Details <sup>4</sup> See Mounting Page for Details on Components and Finishes <sup>5</sup> Specify Length in Inches; See Mounting Page for Available Lengths <sup>6</sup> Mounting Supplied by Others <sup>7</sup> Not Available with EMCR <sup>8</sup> 12" Leads Unless Specified <sup>9</sup> Reflector Finished Matte White with Finish Color Out <sup>10</sup> Same Finish as Housing <sup>11</sup> Same Finish as Housing / For Use with Prismatic Shades Only <sup>12</sup> No Color <sup>13</sup> Reference Color Sheet Located on Product Webpage for Full List of Available Colors <sup>14</sup> Standard Finishes <sup>15</sup> Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: \_\_\_\_\_  
 QUANTITY: \_\_\_\_\_ TYPE: \_\_\_\_\_



# 22" PRISMATIC & ALUMINUM EXT SERIES



## SERIES TYPE

**ALUMINUM**

**BOTTOM VIEW**



ALEXT22LX MATTE WHITE WITH TF3

**PRISMATIC**

**BOTTOM VIEW**



PRETX22LX MATTE WHITE WITH TF3

## STANDARD FINISHES

**MW**  
MATTE WHITE

**MB**  
MATTE BLACK

**PT**  
PLATINUM SILVER



PRETX22LX HM MATTE WHITE



PRETX22LX HM MATTE BLACK



PRETX22LX HM PLATINUM SILVER

## MOUNTING TYPES

**HM / PM**  
HANG STRAIGHT / PENDANT

**CD**  
CORD / CABLE MOUNT

**HC**  
HOOK CORD

**NM**  
NO MOUNT



PRETX22LX SHOWN WITH PM



PRETX22LX SHOWN WITH CD



PRETX22LX SHOWN WITH HC



PRETX22LX 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

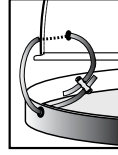
### SC1 - Safety Cable

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

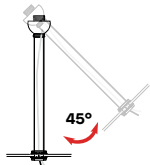
WAG22-22" Wire Guard



## MOUNTING TYPES

### HM\* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

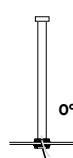


ORDER: **HM** (Length)  
SPECIFY LENGTH:  
**HM3** - 3"    **HM24** - 24"  
**HM6** - 6"    **HM36** - 36"  
**HM12** - 12"    **HM48** - 48"  
**HM18** - 18"    **HM72** - 72"  
**HMLC(XX)**  
Custom Length  
(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

### PM\* - Ridgid Pendant Mount

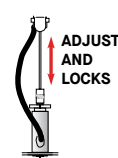
RIGID 5/8" OD STEM - 3/8" IP



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.

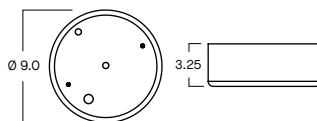
## MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



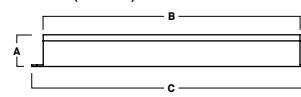
## EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



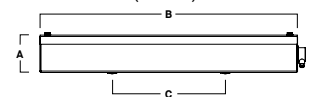
## REMOTE EMERGENCY BATTERY OPTIONS

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



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



# 22" PRISMATIC

## EXT 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%	<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>133 fc</td><td>11.7'</td><td>35 fc</td></tr> <tr><td>10'</td><td>85 fc</td><td>14.6'</td><td>22 fc</td></tr> <tr><td>12'</td><td>59 fc</td><td>17.5'</td><td>15 fc</td></tr> <tr><td>14'</td><td>43 fc</td><td>20.5'</td><td>11 fc</td></tr> <tr><td>16'</td><td>33 fc</td><td>23.4'</td><td>9 fc</td></tr> <tr><td>20'</td><td>21 fc</td><td>29.2'</td><td>6 fc</td></tr> <tr><td>24'</td><td>15 fc</td><td>35.1'</td><td>4 fc</td></tr> <tr><td>28'</td><td>11 fc</td><td>40.9'</td><td>3 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	133 fc	11.7'	35 fc	10'	85 fc	14.6'	22 fc	12'	59 fc	17.5'	15 fc	14'	43 fc	20.5'	11 fc	16'	33 fc	23.4'	9 fc	20'	21 fc	29.2'	6 fc	24'	15 fc	35.1'	4 fc	28'	11 fc	40.9'	3 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>94</td><td>0.81</td><td>50</td><td>0.52</td></tr> <tr><td>22'</td><td>14'</td><td>52</td><td>0.45</td><td>62</td><td>0.64</td></tr> <tr><td>26'</td><td>16'</td><td>47</td><td>0.41</td><td>39</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'	94	0.81	50	0.52	22'	14'	52	0.45	62	0.64	26'	16'	47	0.41	39	0.41
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0° 8482	0° - 20° 3122 23%	8' 133 fc 11.7' 35 fc	18' 12' 94 0.81 50 0.52																																																																	
5° 8601	0° - 30° 6248 46%	10' 85 fc 14.6' 22 fc	22' 14' 52 0.45 62 0.64																																																																	
15° 8260	0° - 40° 9096 67%	12' 59 fc 17.5' 15 fc	26' 16' 47 0.41 39 0.41																																																																	
25° 6914	0° - 60° 10983 81%	14' 43 fc 20.5' 11 fc	Delivered Illuminance Rating: (DIR) 116 FC per W/Sq. Ft. 96 FC per W/Sq. Ft.																																																																	
35° 4980	0° - 80° 12221 90%	16' 33 fc 23.4' 9 fc																																																																		
45° 1171	0° - 90° 12628 93%	20' 21 fc 29.2' 6 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																																																																	
55° 927	Total 13592 100%	24' 15 fc 35.1' 4 fc																																																																		
90° 316		28' 11 fc 40.9' 3 fc																																																																		
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																																																																	

### PRAF22LEDLX 140L 35K xx DF22 TF3 xx

CANDLEPOWER CURVE TEST SP-01543_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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15° 7130	0° - 40° 7792 65%	12' 52 fc 17.3' 14 fc	26' 16' 41 0.41 34 0.41																																																																	
25° 5839	0° - 60° 9488 79%	14' 38 fc 20.2' 10 fc	Delivered Illuminance Rating: (DIR) 101 FC per W/Sq. Ft. 84 FC per W/Sq. Ft.																																																																	
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### 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
	Mounting Distance	FC at Beam Center		Diameter of Beam Angle	FC at Beam Edge																																																															
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0° 10812	0° - 20° 4616 34%	8' 169 fc 9.5' 54 fc	18' 12' 101 0.81 56 0.52																																																																	
5° 11386	0° - 30° 8927 65%	10' 108 fc 11.9' 34 fc	22' 14' 56 0.45 69 0.64																																																																	
15° 12769	0° - 40° 11598 85%	12' 75 fc 14.3' 24 fc	26' 16' 51 0.41 44 0.41																																																																	
25° 9738	0° - 60° 12794 94%	14' 55 fc 16.7' 17 fc	Delivered Illuminance Rating: (DIR) 125 FC per W/Sq. Ft. 108 FC per W/Sq. Ft.																																																																	
35° 4295	0° - 80° 13140 96%	16' 42 fc 19.1' 13 fc																																																																		
45° 824	0° - 90° 13229 97%	20' 27 fc 23.9' 9 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																																																																	
55° 463	Total 13659 100%	24' 19 fc 28.6' 6 fc																																																																		
90° 78		28' 14 fc 33.4' 4 fc																																																																		
Delivered Lumens: 13659 Luminaire Watts: 107 LER: 127.65	CP at 0° (Nadir): 10812 CRI: 80+	Beam Angle: 62° Spacing Ratio: 1.06 Melanopic Ratio: 0.55	Lumen Multiplier: 130L x .945 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																																	



# 22" PRISMATIC

## EXT SERIES / PHOTOMETRIC DATA



PRAF22LEDLX 140L 35K xx PR22 TF3 xx

CANDLEPOWER CURVE TEST SP-01520_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° 1047 9%	<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>164 fc</td><td>9.5'</td><td>52 fc</td></tr> <tr><td>10'</td><td>105 fc</td><td>11.9'</td><td>33 fc</td></tr> <tr><td>12'</td><td>73 fc</td><td>14.2'</td><td>23 fc</td></tr> <tr><td>14'</td><td>54 fc</td><td>16.6'</td><td>17 fc</td></tr> <tr><td>16'</td><td>41 fc</td><td>19.0'</td><td>13 fc</td></tr> <tr><td>20'</td><td>26 fc</td><td>23.7'</td><td>8 fc</td></tr> <tr><td>24'</td><td>18 fc</td><td>28.5'</td><td>6 fc</td></tr> <tr><td>28'</td><td>13 fc</td><td>33.2'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	164 fc	9.5'	52 fc	10'	105 fc	11.9'	33 fc	12'	73 fc	14.2'	23 fc	14'	54 fc	16.6'	17 fc	16'	41 fc	19.0'	13 fc	20'	26 fc	23.7'	8 fc	24'	18 fc	28.5'	6 fc	28'	13 fc	33.2'	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>89</td><td>0.81</td><td>49</td><td>0.52</td></tr> <tr><td>22'</td><td>14'</td><td>49</td><td>0.45</td><td>61</td><td>0.64</td></tr> <tr><td>26'</td><td>16'</td><td>45</td><td>0.41</td><td>39</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'	89	0.81	49	0.52	22'	14'	49	0.45	61	0.64	26'	16'	45	0.41	39	0.41
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0° 10513	0° - 20° 4069 33%	0° - 30° 7772 64%	10' 105 fc 11.9' 33 fc	22' 14' 49 0.45 61 0.64																																																																
5° 10628	0° - 40° 10079 83%	0° - 60° 11182 92%	12' 73 fc 14.2' 23 fc	26' 16' 45 0.41 39 0.41																																																																
15° 11007	0° - 80° 11587 95%	0° - 90° 11724 96%	14' 54 fc 16.6' 17 fc	Delivered Illuminance Rating: (DIR) 110 FC per W/Sq. Ft. 95 FC per W/Sq. Ft.																																																																
25° 8473	Total 12162 100%		16' 41 fc 19.0' 13 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 * Exceeds Spacing Ratio by 3%																																																																
35° 3788			20' 26 fc 23.7' 8 fc																																																																	
45° 753			24' 18 fc 28.5' 6 fc																																																																	
55° 439			28' 13 fc 33.2' 4 fc																																																																	
90° 106																																																																				

Delivered Lumens: 12162      CP at 0° (Nadir): 10513      Beam Angle: 61°      Lumen Multiplier: 130L x .945  
 Luminaire Watts: 107      CRI: 80+      Spacing Ratio: 1.01      CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949  
 LER: 113.66      Melanopic Ratio: 0.52

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%	<table border="1"> <thead> <tr> <th>Mounting Height AFF</th> <th>FC at Center on Floor</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>79 fc</td></tr> <tr><td>12.0'</td><td>55 fc</td></tr> <tr><td>14.0'</td><td>40 fc</td></tr> <tr><td>16.0'</td><td>31 fc</td></tr> <tr><td>20.0'</td><td>20 fc</td></tr> <tr><td>24.0'</td><td>14 fc</td></tr> <tr><td>28.0'</td><td>10 fc</td></tr> <tr><td>32.0'</td><td>8 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	10.0'	79 fc	12.0'	55 fc	14.0'	40 fc	16.0'	31 fc	20.0'	20 fc	24.0'	14 fc	28.0'	10 fc	32.0'	8 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>22'</td><td>20'</td><td>33</td><td>0.34</td><td>28</td><td>0.34</td></tr> <tr><td>26'</td><td>22'</td><td>21</td><td>0.21</td><td>18</td><td>0.21</td></tr> <tr><td>32'</td><td>24'</td><td>19</td><td>0.19</td><td>23</td><td>0.28</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	20'	33	0.34	28	0.34	26'	22'	21	0.21	18	0.21	32'	24'	19	0.19	23	0.28
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22'	20'	33	0.34	28	0.34																																													
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0.00° 7,914	0° - 20° 2,974 21%	0° - 30° 6,050 43%	12.0' 55 fc	Delivered Illuminance Rating: (DIR) 100 FC per W/Sq. Ft. 83 FC per W/Sq. Ft.																																														
20.00° 7,314	0° - 40° 9,018 63%	0° - 60° 10,965 77%	14.0' 40 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 14% ** Exceeds spacing criteria by -0% *** Exceeds spacing criteria by -17%																																														
40.00° 2,734	0° - 80° 12,315 87%	0° - 90° 12,767 90%	16.0' 31 fc	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																																														
60.00° 856	Total 14,229 100%		20.0' 20 fc																																															
80.00° 486			24.0' 14 fc																																															
90.00° 352			28.0' 10 fc																																															
100.00° 278			32.0' 8 fc																																															
110.00° 229																																																		
120.00° 201																																																		
140.00° 200																																																		
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Delivered Lumens: 14,229      CP at 0deg (Nadir): 7,914      Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93  
 Luminaire Watts: 126      CRI: 85+      CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959  
 LER: 112.93

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%	<table border="1"> <thead> <tr> <th>Mounting Height AFF</th> <th>FC at Center on Floor</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>93 fc</td></tr> <tr><td>12.0'</td><td>65 fc</td></tr> <tr><td>14.0'</td><td>48 fc</td></tr> <tr><td>16.0'</td><td>36 fc</td></tr> <tr><td>20.0'</td><td>23 fc</td></tr> <tr><td>24.0'</td><td>16 fc</td></tr> <tr><td>28.0'</td><td>12 fc</td></tr> <tr><td>32.0'</td><td>9 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	10.0'	93 fc	12.0'	65 fc	14.0'	48 fc	16.0'	36 fc	20.0'	23 fc	24.0'	16 fc	28.0'	12 fc	32.0'	9 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>22'</td><td>16'</td><td>49</td><td>0.52</td><td>27</td><td>0.34</td></tr> <tr><td>26'</td><td>18'</td><td>31</td><td>0.33</td><td>39</td><td>0.48</td></tr> <tr><td>32'</td><td>20'</td><td>26</td><td>0.28</td><td>23</td><td>0.28</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	16'	49	0.52	27	0.34	26'	18'	31	0.33	39	0.48	32'	20'	26	0.28	23	0.28
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0.00° 9,341	0° - 20° 4,060 33%	0° - 30° 7,872 65%	12.0' 65 fc	Delivered Illuminance Rating: (DIR) 93 FC per W/Sq. Ft. 81 FC per W/Sq. Ft.																																														
20.00° 10,049	0° - 40° 10,281 84%	0° - 60° 11,264 92%	14.0' 48 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 -4% ** Exceeds spacing criteria by -14% *** Exceeds spacing criteria by -27%																																														
40.00° 1,737	0° - 80° 11,542 95%	0° - 90° 11,621 95%	16.0' 36 fc	Lamp Multiplier: 65L x 0.67, 100L x 1.1, 130L x 1.32, 140L x 1.42 CCT Multiplier: 40K x 1.03, 30K x 0.98, 27K x 0.96																																														
60.00° 221	Total 12,193 100%		20.0' 23 fc																																															
80.00° 107			24.0' 16 fc																																															
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140.00° 121																																																		
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Delivered Lumens: 12,193      CP at 0deg (Nadir): 9,341      Lamp Multiplier: 65L x 0.67, 100L x 1.1, 130L x 1.32, 140L x 1.42  
 Luminaire Watts: 126      CRI: 85      CCT Multiplier: 40K x 1.03, 30K x 0.98, 27K x 0.96  
 LER: 96.77



# 22" ALUMINUM

## EXT 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
	0°	0° - 10° 629 4%	Mounting Distance	Ceiling Height
	0° 6552	0° - 20° 2397 17%	FC at Beam Center	Fixture Spacing
	5° 6512	0° - 30° 5078 36%	Diameter at Beam Angle	RCR 2
	15° 6249	0° - 40° 8364 60%	FC at Beam Edge	FC * W/Sq. Ft.
	25° 5789	0° - 60° 12725 91%	8' 102 fc 18.2' 15 fc	RCR 4
	35° 5208	0° - 80° 13863 99%	10' 66 fc 22.7' 9 fc	FC * W/Sq. Ft.
	45° 4445	0° - 90° 13970 100%	12' 46 fc 27.2' 7 fc	22' 14' 54 0.45 64 0.64
	55° 1218	Total 13991 100%	14' 33 fc 31.8' 5 fc	26' 16' 50 0.41 40 0.41
	90° 11		16' 26 fc 36.3' 4 fc	Delivered Illuminance Rating: (DIR)
			20' 16 fc 45.4' 2 fc	122 FC per W/Sq. Ft. 99 FC per W/Sq. Ft.
Delivered Lumens: 13991	CP at 0° (Nadir): 6552	Beam Angle: 97°	Lumen Multiplier: 130L x .935	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
Luminaire Watts: 107	CRI: 80+	Spacing Ratio: 1.25	CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949	
LER: 130.76		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
	0°	0° - 10° 541 4%	Mounting Distance	Ceiling Height
	0° 5659	0° - 20° 2054 17%	FC at Beam Center	Fixture Spacing
	5° 5605	0° - 30° 4327 36%	Diameter at Beam Angle	RCR 2
	15° 5341	0° - 40° 7084 59%	FC at Beam Edge	FC * W/Sq. Ft.
	25° 4891	0° - 60° 10890 90%	8' 88 fc 18.1' 13 fc	RCR 4
	35° 4354	0° - 80° 11923 99%	10' 57 fc 22.7' 8 fc	FC * W/Sq. Ft.
	45° 3665	0° - 90° 12018 100%	12' 39 fc 27.2' 6 fc	22' 14' 47 0.45 55 0.64
	55° 1192	Total 12052 100%	14' 29 fc 31.7' 4 fc	26' 16' 43 0.41 35 0.41
	90° 5		16' 22 fc 36.3' 3 fc	Delivered Illuminance Rating: (DIR)
			20' 14 fc 45.3' 2 fc	105 FC per W/Sq. Ft. 85 FC per W/Sq. Ft.
Delivered Lumens: 12052	CP at 0° (Nadir): 5659	Beam Angle: 97°	Lumen Multiplier: 130L x .950	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
Luminaire Watts: 107	CRI: 80+	Spacing Ratio: 1.21	CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949	
LER: 112.64		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
	0.00°	0° - 10° 717 6%	Mounting Height AFF	Ceiling Height
	0.00° 6,928	0° - 20° 2,341 18%	FC at Center on Floor	Fixture Spacing
	20.00° 5,503	0° - 30° 4,726 36%	10.0' 69 fc	RCR 2
	40.00° 4,344	0° - 40° 7,613 59%	12.0' 48 fc	FC * W/Sq. Ft.
	60.00° 542	0° - 60° 12,120 93%	14.0' 35 fc	RCR 4
	80.00° 185	0° - 80° 12,902 99%	16.0' 27 fc	FC * W/Sq. Ft.
	90.00° 4	0° - 90° 12,995 100%	20.0' 17 fc	22' 16' 50 0.52 26 0.34
		Total 12,995 100%	24.0' 12 fc	26' 18' 32 0.33 37 0.48
			28.0' 9 fc	32' 20' 27 0.28 22 0.28
			32.0' 7 fc	Delivered Illuminance Rating: (DIR)
Delivered Lumens: 12,995	CP at 0deg (Nadir): 6,928		Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93	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 -25%
Luminaire Watts: 126	CRI: 85		CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959	
LER: 103.13				



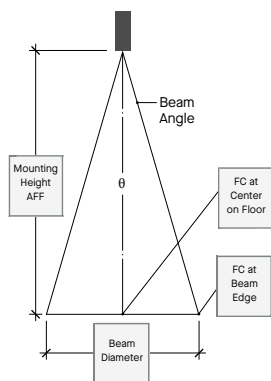
# 22" ALUMINUM

## EXT 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<sub>H</sub> Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

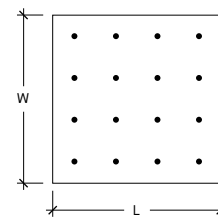
#### MULTIPLE UNITS

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

