



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

Decorative Arms & Tier



### PRX22LX

#### APPLICATION

22" Lumen Max LX series performance pendant for low, mid-bay and high-bay applications. Prismatic refractor provides horizontal and vertical distribution. Decorative support arms and lower parts add visual appeal.

#### 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

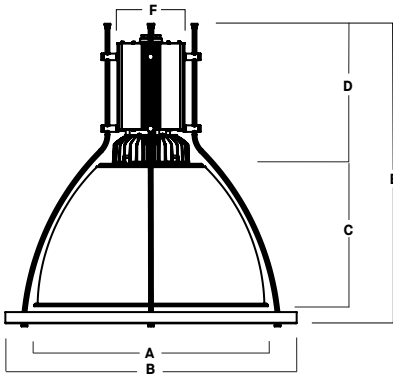
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

#### 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. Arms are chrome plated, formed steel tubing. 1MR option is spun 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.



A	B	C	D	E	F
22.4	28.0	13.7	12.3	277	6.5
569.0 mm	711.2 mm	348.0 mm	312.4 mm	703.6 mm	165.5 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
PRX22LX65L	7105	52	137
PRX22LX100L	10079	80	126
PRX22LX130L	12906	98	132
PRX22LX140L	13659	107	128

<sup>1</sup> Nominal Delivered Lumens at 35K with PR22-FGR

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	SAFETY OPTIONS <sup>3</sup>	MOUNTING <sup>4</sup>	REFRACTOR	ENCLOSURE OPTIONS	TIER OPTIONS	OPTIONS	FINISH <sup>10</sup>	MOUNTING OPTION <sup>12</sup>
PRX22LX	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 <sup>5</sup> Hang Straight PM <sup>6</sup> Rigid Pendant Mount CD <sup>5</sup> Cord / Cable Mount HC <sup>5/6/7</sup> Hook & Cord NM2 <sup>6/7/8</sup> ½" NPT Hub NM3 <sup>6/7/8</sup> ¾" NPT Hub EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	DF22 22" Diffuse PR22 22" Clear	TF3 6" Frosted Diffuser	CFG Center Frosted Glass Tier FGR Frosted Glass Ring 1MR <sup>9</sup> Single Metal Ring	SC2 Safety Cable Reflector to door	MW <sup>11</sup> Matte White MB <sup>11</sup> Matte Black PT <sup>11</sup> Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures

**EXAMPLE:** PRX22LX100L35KEX/HM36/PR22/CFG/PT

#### NOTES:

<sup>1</sup> Nominal Delivered Lumens at 35K with PR22-FGR <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> Fins and Tier Ring to Match Fixture Finish <sup>10</sup> Reference Color Sheet Located on Product Webpage for Full List of Available Colors <sup>11</sup> Standard Finishes <sup>12</sup> Field Cuttable Mounting Kit only Available with HM Stem



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



# 22" PRISMATIC

## TECH SERIES / FIXTURE OPTIONS



### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK



**PT**  
PLATINUM SILVER



### DECO-TIER OPTIONS

**1MR**  
SINGLE METAL RING



**CFG**  
CENTERED FROSTED GLASS



**FGR**  
FROSTED GLASS RING



### MOUNTING TYPES

**HM / PM**  
HANG STRAIGHT / PENDANT



PRX22LX SHOWN WITH PM

**CD**  
CORD / CABLE MOUNT



PRX22LX SHOWN WITH CD

**HC**  
HOOK CORD



PRX22LX SHOWN WITH HC

**NM**  
NO MOUNT



PRX22LX 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

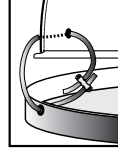
### SC1 - Safety Cable

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



## ENCLOSURES

### TF3 - 6" Frosted Diffuser



## OPTIONS

### TIER OPTIONS

- CFG-Center Frosted Glass Tier
- FGR-Frosted Glass Ring
- 1MR-Single Metal Ring

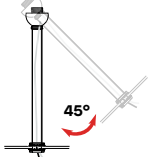


DF22 SHOWN WITH 1MR

## MOUNTING TYPES

### HM\* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP



ORDER: **HM** (Length)

SPECIFY LENGTH:

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

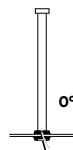
**HMLC(XX)**

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

**PMLC(XX)**

Custom Length  
(Specify in Inches)

### CD - Cord / Cable Mount

SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)

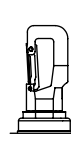
SPECIFY LENGTH:

- 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.

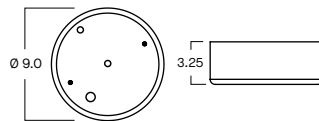
## MOUNTING OPTION

### FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



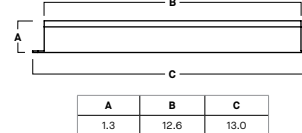
## EMERGENCY BATTERY OPTIONS

### EMCR - Large Driver Canopy For 10W Emergency Battery

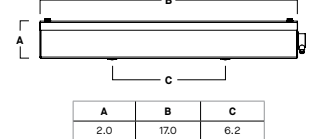


## REMOTE EMERGENCY BATTERY OPTIONS

### 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

## TECH 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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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																																																																		
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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

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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
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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

## TECH 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	0° - 20° 4069 33%	<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° - 30° 7772 64%	10' 105 fc 11.9' 33 fc	Delivered Illuminance Rating: (DIR)																																																																		
5° 10628	0° - 40° 10079 83%	12' 73 fc 14.2' 23 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%																																																																		
15° 11007	0° - 60° 11182 92%	14' 54 fc 16.6' 17 fc																																																																			
25° 8473	0° - 80° 11587 95%	16' 41 fc 19.0' 13 fc																																																																			
35° 3788	0° - 90° 11724 96%	20' 26 fc 23.7' 8 fc																																																																			
45° 753	Total 12162 100%	24' 18 fc 28.5' 6 fc																																																																			
55° 439		28' 13 fc 33.2' 4 fc																																																																			
90° 106																																																																					
Delivered Lumens: 12162 Luminaire Watts: 107 LER: 113.66	CP at 0° (Nadir): 10513 CRI: 80+	Beam Angle: 61° Spacing Ratio: 1.01 Melanopic Ratio: 0.52		Lumen Multiplier: 130L x .945 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949																																																																	

PRX22LEDLX-140L-35K-E1-PR22-CFG

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° 872 8%	<table border="1"> <thead> <tr> <th>Mounting Height AFF</th> <th>FC at Center on Floor</th> <th>Beam Diameter</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>10.0'</td><td>76 fc</td><td>12.7'</td><td>37 fc</td></tr> <tr><td>12.0'</td><td>53 fc</td><td>15.3'</td><td>26 fc</td></tr> <tr><td>14.0'</td><td>39 fc</td><td>17.8'</td><td>19 fc</td></tr> <tr><td>16.0'</td><td>30 fc</td><td>20.4'</td><td>15 fc</td></tr> <tr><td>20.0'</td><td>19 fc</td><td>25.5'</td><td>9 fc</td></tr> <tr><td>24.0'</td><td>13 fc</td><td>30.6'</td><td>6 fc</td></tr> <tr><td>28.0'</td><td>10 fc</td><td>35.7'</td><td>5 fc</td></tr> <tr><td>32.0'</td><td>7 fc</td><td>40.7'</td><td>4 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	76 fc	12.7'	37 fc	12.0'	53 fc	15.3'	26 fc	14.0'	39 fc	17.8'	19 fc	16.0'	30 fc	20.4'	15 fc	20.0'	19 fc	25.5'	9 fc	24.0'	13 fc	30.6'	6 fc	28.0'	10 fc	35.7'	5 fc	32.0'	7 fc	40.7'	4 fc	0.00° 7,591	<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>41</td><td>0.47</td><td>22</td><td>0.30</td></tr> <tr><td>26'</td><td>18'</td><td>26</td><td>0.29</td><td>32</td><td>0.42</td></tr> <tr><td>32'</td><td>20'</td><td>22</td><td>0.25</td><td>18</td><td>0.25</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	22'	16'	41	0.47	22	0.30	26'	18'	26	0.29	32	0.42	32'	20'	22	0.25	18	0.25
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5.00° 7,766	0° - 20° 2,871 27%	10.0' 76 fc 12.7' 37 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 3% ** Exceeds spacing criteria by -8% *** Exceeds spacing criteria by -22%																																																																		
10.00° 7,604	0° - 30° 5,411 51%	12.0' 53 fc 15.3' 26 fc																																																																			
15.00° 7,257	0° - 40° 7,459 70%	14.0' 39 fc 17.8' 19 fc																																																																			
20.00° 6,593	0° - 60° 9,232 87%	16.0' 30 fc 20.4' 15 fc																																																																			
30.00° 4,486	0° - 80° 9,737 92%	20.0' 19 fc 25.5' 9 fc																																																																			
40.00° 2,237	0° - 90° 9,853 93%	24.0' 13 fc 30.6' 6 fc																																																																			
50.00° 965	Total 10,590 100%	28.0' 10 fc 35.7' 5 fc																																																																			
60.00° 454		32.0' 7 fc 40.7' 4 fc																																																																			
70.00° 224																																																																					
80.00° 139																																																																					
90.00° 62																																																																					
Delivered Lumens: 10,590 Luminaire Watts: 111.89 LER: 94.65	CP at 0deg (Nadir): 7,591 CRI:	Beam Angle: 65.16 Spacing Ratio: 1	Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.31, 140L x 1.5 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959																																																																		

PRX22LEDLX-140L-35K-E1-PR22-FGR

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																																																																	
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5.00° 10,762	0° - 20° 4,325 34%	10.0' 102 fc 12.1' 50 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%																																																																		
10.00° 11,339	0° - 30° 8,142 63%	12.0' 71 fc 14.5' 35 fc																																																																			
15.00° 11,069	0° - 40° 10,604 83%	14.0' 52 fc 16.9' 26 fc																																																																			
20.00° 10,323	0° - 60° 11,781 92%	16.0' 40 fc 19.3' 20 fc																																																																			
30.00° 6,242	0° - 80° 12,080 94%	20.0' 26 fc 24.1' 13 fc																																																																			
40.00° 1,935	0° - 90° 12,162 95%	24.0' 18 fc 29.0' 9 fc																																																																			
50.00° 603	Total 12,846 100%	28.0' 13 fc 33.8' 6 fc																																																																			
60.00° 250		32.0' 10 fc 38.6' 5 fc																																																																			
70.00° 127																																																																					
80.00° 102																																																																					
90.00° 58																																																																					
Delivered Lumens: 12,846 Luminaire Watts: 111.89 LER: 114.81	CP at 0deg (Nadir): 10,222 CRI: 85+	Beam Angle: 62.56 Spacing Ratio: 1.05	Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.31, 140L x 1.5 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959																																																																		



# 22" PRISMATIC

## TECH SERIES / PHOTOMETRIC DATA



PRX22LEDLX-140L-35K-E1-PR22-1 MR

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	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4				
	0.00°	0° - 10°	1,009	9%	10.0'	81 fc	12.1'	40 fc	22'	16'	43	0.47	24	0.30	
	0.00°	0° - 20°	3,539	32%	12.0'	56 fc	14.5'	28 fc	26'	18''	27	0.29	34	0.42	
	5.00°	0° - 30°	6,685	60%	14.0'	41 fc	16.9'	20 fc	32'	20'''	23	0.25	20	0.25	
	10.00°	0° - 40°	8,674	78%	16.0'	32 fc	19.3'	16 fc	Delivered Illuminance Rating: (DIR)		93 FC per W/Sq. Ft.		80 FC per W/Sq. Ft.		
	15.00°	0° - 60°	9,523	86%	20.0'	20 fc	24.2'	10 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 -3% *** Exceeds spacing criteria by -26%						
	20.00°	0° - 80°	9,706	88%	24.0'	14 fc	29.0'	7 fc	Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.31, 140L x 1.5 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959						
	30.00°	0° - 90°	9,749	88%	28.0'	10 fc	33.8'	5 fc							
	40.00°	Total	11,061	100%	32.0'	8 fc	38.7'	4 fc							
	4000.c.d.	CP at 0deg (Nadir):	8,132	Beam Angle:	62.63										
	5000.c.d.	CRI:	85+	Spacing Ratio:	1.06										
	6000.c.d.	Delivered Lumens:	11,061												
	7000.c.d.	Luminaire Watts:	111.89												
	8000.c.d.	LER:	98.86												
	9000.c.d.														

### HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>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.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> <li>- CP Candela at 0° (Nadir)</li> <li>- Cos θ Cosine of θ Angle</li> <li>- D Distance (Mounting Height AFF)</li> <li>- FC<sub>H</sub> Footcandles, Horizontal</li> <li>- Beam Angle Cone of light to 50% max. CP</li> <li>- Beam Diam. Pattern of light at Beam Angle</li> </ul>	<p>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.</p> <p>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.</p> <ul style="list-style-type: none"> <li>- To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): <math>FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}</math></li> <li>- To estimate Sq. Ft. per fixture for a specific target FC: <math>\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}</math></li> </ul> <ul style="list-style-type: none"> <li>- To estimate Fixture Quantity in a room: <math>\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}</math></li> <li>- To estimate Watts/Sq. Ft.: <math>W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}</math></li> </ul>

