



# 16" Mid/High Bay 13800 Lm

Decorative Arms



## PRAFL16LX

### APPLICATION

16" Arc pendant evokes industrial age designs while using latest LED technology for excellent general illumination. Prismatic refractor provides horizontal and vertical distribution. Laser cut decorative arm.

### FEATURES

Extruded Fixture Housing (EXT) designed for Integral EM features a clean and modern design, with single-stage optical system for smooth light distribution. LED module and driver designed for ease of maintenance and replacement. Optional safety cable. Variety 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

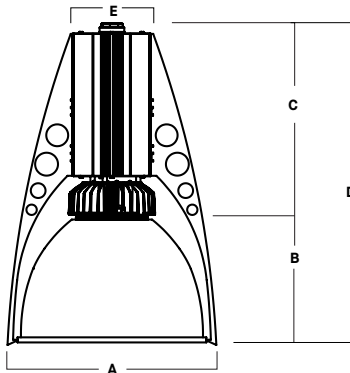
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

### 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. ARC pendant arms and deco ring are laser cut 5052 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
17.5	11.8	14.6	26.4	6.5
444.5 mm	299.7 mm	370.8 mm	670.6 mm	165.1 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS <sup>1</sup>	SYSTEM WATTS	LPW
PRAFL16LX65L	7386	52	142
PRAFL16LX100L	10510	80	131
PRAFL16LX130L	13204	98	135
PRAFL16LX140L	13815	107	129

<sup>1</sup> Nominal Delivered Lumens at 35K with PR16AFPFMW

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>2</sup>	SAFETY OPTIONS <sup>3</sup>	MOUNTING <sup>4</sup>	REFRACTOR	ENCLOSURE OPTION	TIER OPTIONS	FINISH <sup>5</sup>	MOUNTING OPTION <sup>6</sup>	
PRAFL16LX	65L 7400 Lm	27K 2700K	EX Electronic Driver, 120V/277V	FS Fusing 2CIR 2 Circuit	HM <sup>7</sup> Hang Straight	DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	TF3 6" Frosted Diffuser	AFPF <sup>9</sup> Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring AFSF <sup>9</sup> Aluminum Decorative Arm with Slots and 1-Metal Tier Ring	MW <sup>11</sup> Matte White MB <sup>11</sup> Matte Black PT <sup>11</sup> Platinum Silver CC Custom Color	FCHMA <sup>12</sup> Field Cuttable Mounting Kit for Hang Mount Fixtures	
	100L 10500 Lm	30K 3000K	DS10X 10%, 0-10V, 120V/277V		PM <sup>8</sup> Rigid Pendant						CD <sup>8</sup> Cord / Cable Mount
	130L 13200 Lm	35K 3500K	DO10X 1%, 10-0V, 120V/277V		HC <sup>10/17</sup> Hook & Cord						
	140L 13800 Lm	40K 4000K	DO103 1%, 0-10V, 347V		NM2 <sup>12/18</sup> 1/2" NPT Hub NM3 <sup>12/18</sup> 3/4" NPT Hub						
					EMERGENCY BATTERY OPTIONS						
					EMIT 7W Emergency Battery Test Switch						
					EMCR 10W Canopy Mounted EM						
					EMRM 7W Remote EM						
					EMEN 7W Remote with Enclosure						

**EXAMPLE:** PRAFL16LX100L35KEX/CD36/PR16/AFP/MB

**NOTES:**

<sup>1</sup> Nominal Delivered Lumens at 35K with PR16AFPFMW <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: \_\_\_\_\_



# 16" PRISMATIC

## ARC SERIES / FIXTURE OPTIONS

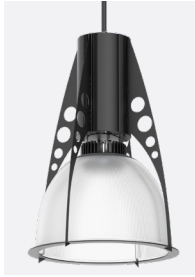


### STANDARD FINISHES

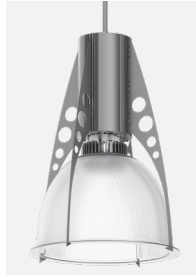
**MW**  
MATTE WHITE



**MB**  
MATTE BLACK

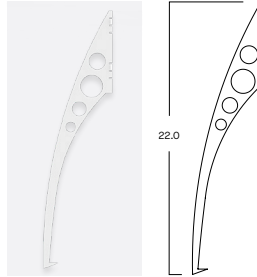


**PT**  
PLATINUM SILVER

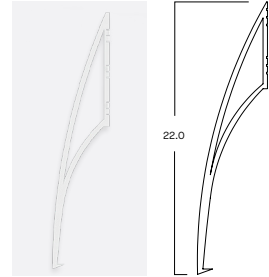


### DECORATIVE ARMS

**AFPF**  
LASER CUT DECO ARM WITH HOLES



**AFSF**  
LASER CUT DECO ARM WITH SLOTS



### MOUNTING TYPES

**HM / PM**  
HANG STRAIGHT / PENDANT



PRAFL16LX SHOWN WITH PM

**CD**  
CORD / CABLE MOUNT



PRAFL16LX SHOWN WITH CD

**HC**  
HOOK CORD



PRAFL16LX SHOWN WITH HC

**NM**  
NO MOUNT



PRAFL16LX 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

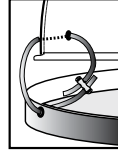
### SC1 - Safety Cable

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

### DECORATIVE ARMS

**AFPF**-Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring



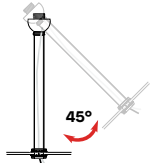
**AFSF**-Aluminum Decorative Arm with Slots and 1-Metal Tier Ring



## MOUNTING TYPES

### HM\* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP

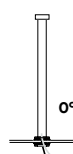


ORDER: **HM** (Length)  
SPECIFY LENGTH:  
**HM3** - 3"    **HM24** - 24"  
**HM6** - 6"    **HM36** - 36"  
**HM12** - 12"    **HM48** - 48"  
**HM18** - 18"    **HM72** - 72"  
**HMLC(XX)**  
Custom Length  
(Specify in Inches)

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.

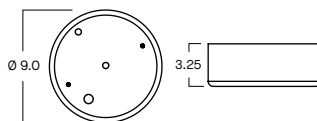
## MOUNTING OPTION

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



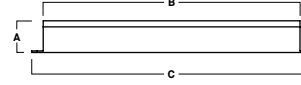
## EMERGENCY BATTERY OPTIONS

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



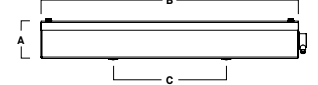
## REMOTE EMERGENCY BATTERY OPTIONS

### 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



# 16" PRISMATIC

## AFL SERIES / PHOTOMETRIC DATA



PRAF16LEDLX 140L 35K xx PR16 xx

CANDLEPOWER CURVE TEST SP-01511_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°	1405	10%	8'	245 fc	8.8'	83 fc	18'	12"	88	0.68	110	0.99
	0°	0° - 20°	4980	36%	10'	157 fc	11.0'	53 fc	22'	14'	72	0.57	63	0.57
	5°	0° - 30°	9269	67%	12'	109 fc	13.2'	37 fc	26'	18"	47	0.37	41	0.37
	15°	0° - 40°	12000	87%	14'	80 fc	15.4'	27 fc	Delivered Illuminance Rating: (DIR)		128 FC per W/Sq. Ft.		111 FC per W/Sq. Ft.	
	25°	0° - 60°	13304	96%	16'	61 fc	17.6'	21 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 12% *** Exceeds Spacing Ratio by 2%					
	35°	0° - 80°	13656	99%	20'	39 fc	22.0'	13 fc						
	45°	0° - 90°	13687	99%	24'	27 fc	26.4'	9 fc						
	55°				28'	20 fc	30.8'	7 fc						
	90°	Total	13815	100%										
	Delivered Lumens: 13815		CP at 0° (Nadir): 15698		Beam Angle: 58°		Lumen Multiplier: 130L x .956		CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949					
	Luminaire Watts: 107		CRI: 80+		Spacing Ratio: 0.86									
LER: 129.11				Melanopic Ratio: 0.55										

PRAF16LEDLX 140L 35K xx PR16 TF3 xx

CANDLEPOWER CURVE TEST SP-01497_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°	1249	10%	8'	211 fc	8.9'	71 fc	18'	12"	78	0.68	97	0.99
	0°	0° - 20°	4353	35%	10'	135 fc	11.1'	45 fc	22'	14'	65	0.57	56	0.57
	5°	0° - 30°	8090	65%	12'	94 fc	13.3'	31 fc	26'	18"	42	0.37	36	0.37
	15°	0° - 40°	10495	84%	14'	69 fc	15.5'	23 fc	Delivered Illuminance Rating: (DIR)		114 FC per W/Sq. Ft.		99 FC per W/Sq. Ft.	
	25°	0° - 60°	11707	94%	16'	53 fc	17.7'	18 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 10% *** Exceeds Spacing Ratio by 1%					
	35°	0° - 80°	12174	97%	20'	34 fc	22.2'	11 fc						
	45°	0° - 90°	12281	98%	24'	23 fc	26.6'	8 fc						
	55°				28'	17 fc	31.0'	6 fc						
	90°	Total	12492	100%										
	Delivered Lumens: 12492		CP at 0° (Nadir): 13518		Beam Angle: 58°		Lumen Multiplier: 130L x .950		CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949					
	Luminaire Watts: 107		CRI: 80+		Spacing Ratio: 0.87									
LER: 116.75				Melanopic Ratio: 0.52										

PRAF16LEDLX 140L 35K xx DF16 xx

CANDLEPOWER CURVE TEST SP-01532_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°	832	6%	8'	138 fc	10.8'	39 fc	18'	12"	80	0.68	95	0.99
	0°	0° - 20°	3031	22%	10'	88 fc	13.5'	25 fc	22'	14'	66	0.57	54	0.57
	5°	0° - 30°	6122	44%	12'	61 fc	16.2'	17 fc	26'	18"	43	0.37	35	0.37
	15°	0° - 40°	8595	62%	14'	45 fc	18.9'	13 fc	Delivered Illuminance Rating: (DIR)		117 FC per W/Sq. Ft.		96 FC per W/Sq. Ft.	
	25°	0° - 60°	10849	78%	16'	34 fc	21.6'	10 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	35°	0° - 80°	12458	89%	20'	22 fc	27.0'	6 fc						
	45°	0° - 90°	12965	93%	24'	15 fc	32.4'	4 fc						
	55°				28'	11 fc	37.8'	3 fc						
	90°	Total	13934	100%										
	Delivered Lumens: 13934		CP at 0° (Nadir): 8806		Beam Angle: 68°		Lumen Multiplier: 130L x .946		CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949					
	Luminaire Watts: 107		CRI: 80+		Spacing Ratio: 1.05									
LER: 130.22				Melanopic Ratio: 0.55										



# 16" PRISMATIC

## AFL SERIES / PHOTOMETRIC DATA



PRAF16LEDLX 140L 35K xx DF16 TF3 xx

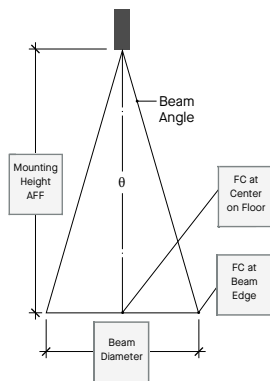
CANDLEPOWER CURVE TEST SP-01531_3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 730 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>121 fc</td><td>10.6'</td><td>35 fc</td></tr> <tr><td>10'</td><td>77 fc</td><td>13.3'</td><td>22 fc</td></tr> <tr><td>12'</td><td>54 fc</td><td>15.9'</td><td>15 fc</td></tr> <tr><td>14'</td><td>39 fc</td><td>18.6'</td><td>11 fc</td></tr> <tr><td>16'</td><td>30 fc</td><td>21.2'</td><td>9 fc</td></tr> <tr><td>20'</td><td>19 fc</td><td>26.6'</td><td>6 fc</td></tr> <tr><td>24'</td><td>13 fc</td><td>31.9'</td><td>4 fc</td></tr> <tr><td>28'</td><td>10 fc</td><td>37.2'</td><td>3 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	8'	121 fc	10.6'	35 fc	10'	77 fc	13.3'	22 fc	12'	54 fc	15.9'	15 fc	14'	39 fc	18.6'	11 fc	16'	30 fc	21.2'	9 fc	20'	19 fc	26.6'	6 fc	24'	13 fc	31.9'	4 fc	28'	10 fc	37.2'	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>70</td><td>0.68</td><td>83</td><td>0.99</td></tr> <tr><td>22'</td><td>14'</td><td>58</td><td>0.57</td><td>48</td><td>0.57</td></tr> <tr><td>26'</td><td>18'</td><td>38</td><td>0.37</td><td>31</td><td>0.37</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	12'	70	0.68	83	0.99	22'	14'	58	0.57	48	0.57	26'	18'	38	0.37	31	0.37
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26'	18'	38	0.37	31	0.37																																																															
0° 7728	0° - 20° 2645 21%	<p>Delivered Lumens: 12420 Luminaire Watts: 107 LER: 116.07</p> <p>CP at 0° (Nadir): 7728</p> <p>Beam Angle: 67° Spacing Ratio: 1.02 Melanopic Ratio: 0.52</p> <p>Lumen Multiplier: 130L x .953 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949</p>	<p>Delivered Illuminance Rating: (DIR) 103 FC per W/Sq. Ft. / 85 FC per W/Sq. Ft.</p> <p>3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length &amp; Width = Ceiling Ht. - 5.5' x 5.00 RCR 4: Length &amp; Width = Ceiling Ht. - 5.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor</p>																																																																	
5° 7649	0° - 30° 5269 42%																																																																			
15° 6865	0° - 40° 7379 59%																																																																			
25° 5848	0° - 60° 9390 76%																																																																			
35° 3405	0° - 80° 10898 88%																																																																			
45° 1316	0° - 90° 11423 92%																																																																			
55° 1036	Total 12420 100%																																																																			
90° 411																																																																				

PRAF-L-16LEDLX-140L-35K-E1-PR16-AFPF (or AFSF)-MW

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° 1,468 12%	<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>130 fc</td><td>10.7'</td><td>64 fc</td></tr> <tr><td>12.0'</td><td>90 fc</td><td>12.9'</td><td>45 fc</td></tr> <tr><td>14.0'</td><td>66 fc</td><td>15.0'</td><td>33 fc</td></tr> <tr><td>16.0'</td><td>51 fc</td><td>17.2'</td><td>25 fc</td></tr> <tr><td>20.0'</td><td>32 fc</td><td>21.5'</td><td>16 fc</td></tr> <tr><td>24.0'</td><td>23 fc</td><td>25.8'</td><td>11 fc</td></tr> <tr><td>28.0'</td><td>17 fc</td><td>30.1'</td><td>8 fc</td></tr> <tr><td>32.0'</td><td>13 fc</td><td>34.4'</td><td>6 fc</td></tr> </tbody> </table>	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	10.0'	130 fc	10.7'	64 fc	12.0'	90 fc	12.9'	45 fc	14.0'	66 fc	15.0'	33 fc	16.0'	51 fc	17.2'	25 fc	20.0'	32 fc	21.5'	16 fc	24.0'	23 fc	25.8'	11 fc	28.0'	17 fc	30.1'	8 fc	32.0'	13 fc	34.4'	6 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>0.47</td><td>61</td><td>0.67</td></tr> <tr><td>26'</td><td>18''</td><td>31</td><td>0.29</td><td>39</td><td>0.42</td></tr> <tr><td>32'</td><td>20''</td><td>26</td><td>0.25</td><td>23</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'	49	0.47	61	0.67	26'	18''	31	0.29	39	0.42	32'	20''	26	0.25	23	0.25
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0.00° 12,966	0° - 20° 4,591 38%	<p>Delivered Lumens: 11,976 Luminaire Watts: 111.89 LER: 107.03</p> <p>CP at 0deg (Nadir): 12,966</p> <p>Beam Angle: 56.3° Spacing Ratio: 0.87</p> <p>Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93 CCT Multiplier: 27K x 0.959, 30K x 0.979, 40K x 1.03</p>	<p>Delivered Illuminance Rating: (DIR) 105 FC per W/Sq. Ft. / 91 FC per W/Sq. Ft.</p> <p>2' Suspension Length Square rooms used for multiple units: - RCR 2: Length &amp; Width = Ceiling Ht. - 6.5' x 5.00 - RCR 4: Length &amp; Width = Ceiling Ht. - 6.5' x 2.50 * Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 19% ** Exceeds spacing criteria by 6% *** Exceeds spacing criteria by -10%</p>																																																																	
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10.00° 12,640	0° - 40° 10,183 85%																																																																			
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### 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

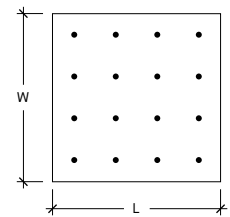
#### MULTIPLE UNITS

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 = Chart Spacing<sup>2</sup> ÷ Different Spacing<sup>2</sup> x Chart FC

- To estimate Sq. Ft. per fixture for a specific target FC:  
Sq. Ft. / Fixture = Chart FC x Chart Spacing<sup>2</sup> ÷ 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.

