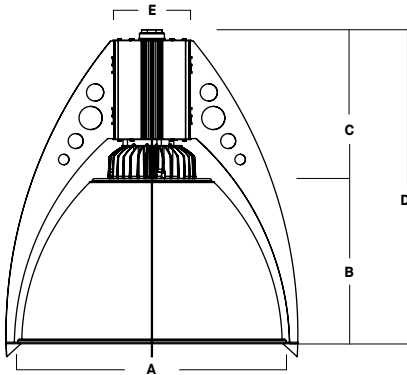




AFPF SHOWN



A	B	C	D	E
24.4	12.3	10.6	22.9	6.5
619.8 mm	312.4 mm	269.2 mm	581.7 mm	165.1 mm

22" Mid/High Bay 13650 Lm

Decorative Arms



PRAF22LX

APPLICATION

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

FEATURES

Extruded Fixture Housing (EXT). 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.

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PRAF22LX65L	7105	52	137
PRAF22LX100L	10079	80	126
PRAF22LX130L	12906	98	132
PRAF22LX140L	13659	107	128

¹ Nominal Delivered Lumens at 35K with PR22AFPMW

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	SAFETY OPTIONS ³	MOUNTING ⁴	REFRACTOR	ENCLOSURE OPTION	TIER OPTIONS	FINISH ¹⁰	MOUNTING OPTION ¹²
PRAF22LX	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_ ₃ Hang Straight PM_ ₉ Rigid Pendant CD_ ₂ Cord/Cable Mount HC_ _{5/0/7} Hook & Cord NM ₂ ^{5/7/8} ½" NPT Hub NM ₃ ^{5/7/8} ¾" NPT Hub	DF22 22" Diffuse PR22 22" Clear	TF3 6" Frosted Diffuser	AFPF ⁹ Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring AFSP ⁹ Aluminum Decorative Arm with Slots and 1-Metal Tier Ring	MW ¹¹ Matte White MB ¹¹ Matte Black PT ¹¹ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	100L 10100 Lm	30K 3000K								
	130L 12900 Lm	35K 3500K								
	140L 13650 Lm	40K 4000K								
					EMERGENCY BATTERY OPTIONS					
					EMIT 7W Emergency Battery Test Switch					
					EMCR 10W Canopy Mounted EM					
					EMRM 7W Remote EM					
					EMEN 7W Remote with Enclosure					

EXAMPLE: PRAF22LX100L35KEX/CD36/PR22/AFPF/MW

NOTES:

¹ Nominal Delivered Lumens at 35K with PR22AFPMW 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 Fins and Tier Ring to Match Fixture Finish ¹⁰ Reference Color Sheet Located on Product Webpage for Full List of Available Colors. ¹¹ Standard Finishes ¹² Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



22" PRISMATIC
AF SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

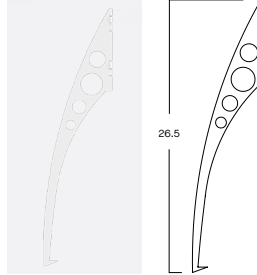


PT
PLATINUM SILVER

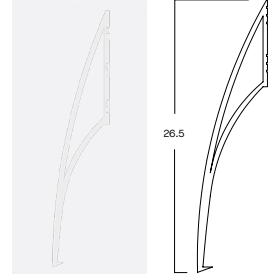


DECORATIVE ARMS

AFPF
LASER CUT DECO ARM WITH HOLES



AFSF
LASER CUT DECO ARM WITH SLOTS



MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



PRAF22LX SHOWN WITH PM

CD
CORD / CABLE MOUNT



PRAF22LX SHOWN WITH CD

HC
HOOK CORD



PRAF22LX SHOWN WITH HC

NM
NO MOUNT



PRAF22LX 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.



ENCLOSURES

TF3 - 6" Frosted Diffuser



OPTIONS

DECORATIVE ARMS

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

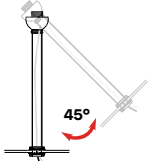
AFSF-Aluminum Decorative Arm with Slots and 1-Metal Tier Ring



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"

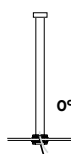
HMLC(XX)

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"

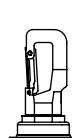
CD144 - 144"

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.

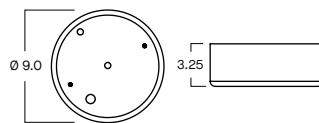
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



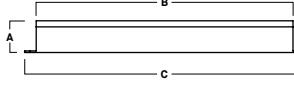
EMERGENCY BATTERY OPTIONS

EMCR - Large Driver Canopy For 10W Emergency Battery



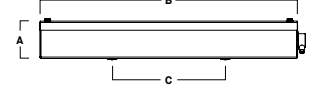
REMOTE EMERGENCY BATTERY OPTIONS

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



22" PRISMATIC

AF 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					
			Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 833 6%	8'	133 fc	11.7'	35 fc	18'	12'	94	0.81	50	0.52
	0°	0° - 20° 3122 23%	10'	85 fc	14.6'	22 fc	22'	14'	52	0.45	62	0.64
	5°	0° - 30° 6248 46%	12'	59 fc	17.5'	15 fc	26'	16'	47	0.41	39	0.41
	15°	0° - 40° 9096 67%	14'	43 fc	20.5'	11 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 10983 81%	16'	33 fc	23.4'	9 fc	116 FC per W/Sq. Ft. 96 FC per W/Sq. Ft.					
	35°	0° - 80° 12221 90%	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					
	45°	0° - 90° 12628 93%	24'	15 fc	35.1'	4 fc						
	55°	0° - 90° 12628 93%	28'	11 fc	40.9'	3 fc						
	90°	Total 13592 100%										
	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					
			Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 730 6%	8'	117 fc	11.5'	31 fc	18'	12'	82	0.81	44	0.52
	0°	0° - 20° 2715 23%	10'	75 fc	14.4'	20 fc	22'	14'	45	0.45	54	0.64
	5°	0° - 30° 5384 45%	12'	52 fc	17.3'	14 fc	26'	16'	41	0.41	34	0.41
	15°	0° - 40° 7792 65%	14'	38 fc	20.2'	10 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 9488 79%	16'	29 fc	23.1'	8 fc	101 FC per W/Sq. Ft. 84 FC per W/Sq. Ft.					
	35°	0° - 80° 10643 89%	20'	19 fc	28.9'	5 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					
	45°	0° - 90° 11052 92%	24'	13 fc	34.6'	3 fc						
	55°	0° - 90° 11052 92%	28'	10 fc	40.4'	3 fc						
	90°	Total 11997 100%										
	Delivered Lumens: 11997 Luminaire Watts: 107 LER: 112.12	CP at 0° (Nadir): 7516 CRI: 80+	Beam Angle: 72° Spacing Ratio: 1.05 Melanopic Ratio 0.52	Lumen Multiplier: 130L x .939 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949								

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					
			Mounting Distance	FC at Beam Center	Diameter of Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0°	0° - 10° 1134 8%	8'	169 fc	9.5'	54 fc	18'	12'	101	0.81	56	0.52
	0°	0° - 20° 4616 34%	10'	108 fc	11.9'	34 fc	22'	14'	56	0.45	69	0.64
	5°	0° - 30° 8927 65%	12'	75 fc	14.3'	24 fc	26'	16'	51	0.41	44	0.41
	15°	0° - 40° 11598 85%	14'	55 fc	16.7'	17 fc	Delivered Illuminance Rating: (DIR)					
	25°	0° - 60° 12794 94%	16'	42 fc	19.1'	13 fc	125 FC per W/Sq. Ft. 108 FC per W/Sq. Ft.					
	35°	0° - 80° 13140 96%	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					
	45°	0° - 90° 13229 97%	24'	19 fc	28.6'	6 fc						
	55°	0° - 90° 13229 97%	28'	14 fc	33.4'	4 fc						
	90°	Total 13659 100%										
	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

AF 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%	Mounting Distance	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0° 10513	0° - 20° 4069 33%	FC at Beam Center	18'	12"	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	5° 10628	0° - 30° 7772 64%	Diameter at Beam Angle	22'	14'	49	0.81	49	0.52
	15° 11007	0° - 40° 10079 83%	FC at Beam Edge	26'	16'	45	0.41	39	0.41
	25° 8473	0° - 60° 11182 92%		Delivered Illuminance Rating: (DIR)		110 FC per W/Sq. Ft.		95 FC per W/Sq. Ft.	
	35° 3788	0° - 80° 11587 95%		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%					
	45° 753	0° - 90° 11724 96%							
	55° 439	Total 12162 100%							
	90° 106								

Delivered Lumens: 12162 CP at 0° (Nadir): 10513 Beam Angle: 61° Lumen Multiplier: 130L x .945
 Luminaire Watts: 107 Spacing Ratio: 1.01 CCT Multiplier: 40K x 1.00, 30K x 0.978, 27K x 0.949
 LER: 113.66 CRI: 80+ 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%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0.00° 7,914	0° - 20° 2,974 21%	10.0'	22'	20"	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	20.00° 7,314	0° - 30° 6,050 43%	12.0'	26'	22"	21	0.21	18	0.21
	40.00° 2,734	0° - 40° 9,018 63%	14.0'	32'	24"	19	0.19	23	0.28
	60.00° 856	0° - 60° 10,965 77%	16.0'	Delivered Illuminance Rating: (DIR)		100 FC per W/Sq. Ft.		83 FC per W/Sq. Ft.	
	80.00° 486	0° - 80° 12,315 87%	20.0'	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%					
	90.00° 352	0° - 90° 12,767 90%	24.0'						
	100.00° 278	Total 14,229 100%	28.0'						
	110.00° 229		32.0'						
	120.00° 201								
	140.00° 200								
160.00° 225									
180.00° 216									

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%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0.00° 9,341	0° - 20° 4,060 33%	10.0'	22'	16"	FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	20.00° 10,049	0° - 30° 7,872 65%	12.0'	26'	18"	49	0.52	27	0.34
	40.00° 1,737	0° - 40° 10,281 84%	14.0'	32'	20"	31	0.33	39	0.48
	60.00° 221	0° - 60° 11,264 92%	16.0'	Delivered Illuminance Rating: (DIR)		93 FC per W/Sq. Ft.		81 FC per W/Sq. Ft.	
	80.00° 107	0° - 80° 11,542 95%	20.0'	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%					
	90.00° 55	0° - 90° 11,621 95%	24.0'						
	100.00° 55	Total 12,193 100%	28.0'						
	110.00° 73		32.0'						
	120.00° 71								
	140.00° 121								
160.00° 172									
180.00° 206									

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

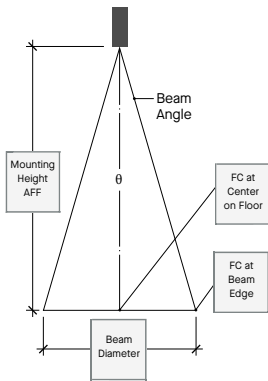


22" PRISMATIC

AF 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.

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

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

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

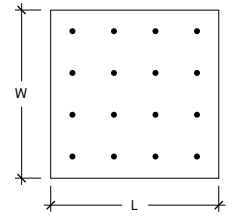
MULTIPLE UNITS

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