16" PRISMATIC
AFL SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

AFPF SHOWN

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. Posi-lock refractor retention ring will absorb shocks and impacts. 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.
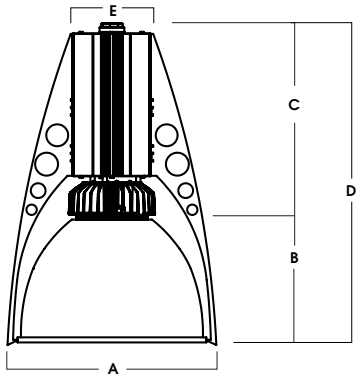
ELECTRONICS
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit 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
17.5 444.5 mm	11.8 299.7 mm	14.6 370.8 mm	26.4 670.6 mm	6.5 165.1 mm

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
PRAFL16LX65L	6500	5587	56.2	99
PRAFL16LX100L	10000	8381	81.1	103
PRAFL16LX130L	13000	11025	103.9	106
PRAFL16LX140L	14000	11872	111.9	106

SERIES	LUMENS[1]	CCT	DRIVER / DIMMING[3]	OPTIONS[4]	MOUNTING[5]	REFRACTOR	DIFFUSER OPTION	TIER OPTIONS	FINISH[8]
PRAFL16LX	65L 6500 Lm 100L 10000 Lm 130L 13000 Lm 140L 14000 Lm	27K 2700K 30K 3000K 35K 3500K 40K 4000K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 10-0V, 120V/277V DO103 1%, 0-10V, 347V	**SAFETY OPTIONS** FS Fusing 2CIR 2 Circuit	HM[6] Hang Straight AT[6] Hang Straight All Thread PM[6] Rigid Pendant CD[6] Cord/ Cable Mount HC[6] Hook & Cord NM2[7] ½" NPT Hub NM3[7] ¾" 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	DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	TF3 6" Frosted Diffuser	AFPF Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring AFSF Aluminum Decorative Arm with Slots and 1-Metal Tier Ring	MW[9] Matte White MB[9] Matte Black PT[9] Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90081)

EXAMPLE: PRAFL16LX100L35KEX/CD36/PR16/AFPF/MB

NOTES:
1 Nominal Source Lumens at 35K **2** Nominal Delivered Lumens at 35K with PR16AFPFMW **3** Contact Factory for Additional Options **4** See Product Options Page For Details **5** See Mounting Page for Details on Components and Finishes
6 Specify Length in Inches: See Mounting Page for Available Lengths **7** Mounting Supplied by Others **8** See Color Page for More Options / Consult Factory for Special Finishes **9** Standard Finishes

SPECTRUM LIGHTING INC.

PROJECT:

TYPE:

ETL INTERTEK LISTED

5 YEAR WARRANTY

MADE IN THE USA

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

16" PRISMATIC

ARC SERIES / FIXTURE OPTIONS

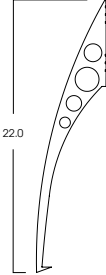## STANDARD FINISHES

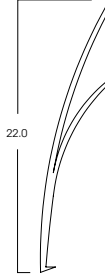**MW**
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER
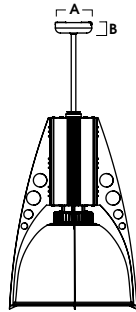
DECORATIVE ARMS

AFPF
LASER CUT DECO ARM WITH HOLES
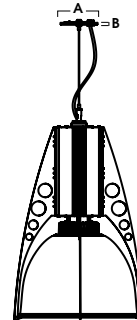
22.0

AFSF
LASER CUT DECO ARM WITH SLOTS

22.0
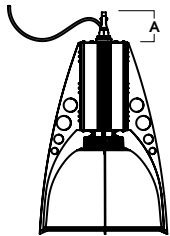

MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT

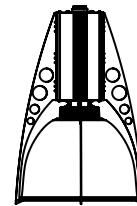| A	B
5.0	1.5
127 mm	38.1 mm

CD
CORD / CABLE MOUNT

A	B
5.0	.25
63.5 mm	6.35 mm

HC
HOOK CORD

A
4.0
101.6 mm

NM
NO MOUNT
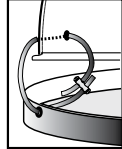
MOUNTING & ACCESSORIES

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.

LUMEN MAX
HIGH BAY LUMINAIRES

ADDITIONS

FS - FUSING
Slow blow type fuse protects fixture against voltage surges. Factory installed.

LSP10 - SM - SURGE PROTECTOR
Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.
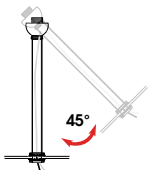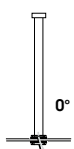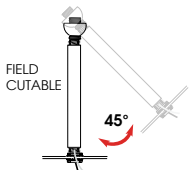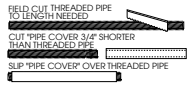
surge protector
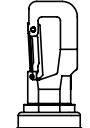
SAFETY CABLE OPTIONS

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
1/16" Stainless steel cable holds door to fixture

OPTIONS

DIFFUSER
TF3-6" Frosted Diffuser

TIER OPTIONS
AFPF-Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring
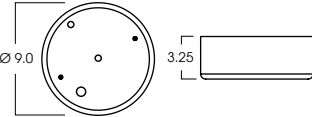**AFSF-**Aluminum Decorative Arm with Slots and 1-Metal Tier Ring

MOUNTING TYPES

HM*	PM*	AT**	CD	HC	NMX
HANG STRAIGHT	RIGID PENDANT MOUNT	HANG STRAIGHT ALL THREAD	CORD / CABLE MOUNT	HOOK & CORD	1/2" NPT Hub
45° SWIVEL 5/8" OD STEM - 3/8" IP	RIGID 5/8" OD STEM - 3/8" IP	45° SWIVEL 5/8" OD STEM - 1/4" IP	SJ CORD WITH 1/16 SS CABLE	FOR INDEPENDENT MOUNTING	3/4" NPT Hub
					FOR INDEPENDENT MOUNTING

HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP

45°

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)

PM*
RIDGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP

0°

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)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP

FIELD CUTABLE

45°

ORDER: **AT** (Length)
SPECIFY LENGTH:
AT12 - 12"
AT24 - 24"
AT36 - 36"

FIELD CUT THREADED PIPE TO LENGTH NEEDED
CUT "PIPE COVER 3/4" SHORTER THAN THREADED PIPE
SLIP "PIPE COVER" OVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

ADJUST AND LOCKS

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)

NMX
1/2" NPT Hub
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". **MAXIMUM ONE PIECE STEM LENGTH IS 36".
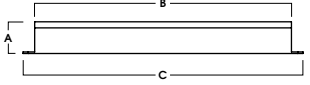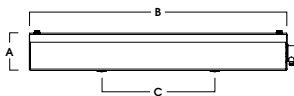LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

Ø 9.0   3.25

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

SPECTRUM LIGHTING INC.

83-20053_RC

16" PRISMATIC

AFL SERIES / PHOTOMETRIC DATA

LUMEN MAX
HIGH BAY LUMINAIRES

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

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE	MULTIPLE UNITS: PERFORMANCE
			INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE	80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

INTENSITY

	0.00°
0.00°	12,966
5.00°	12,913
10.00°	12,640
15.00°	11,552
20.00°	9,689
30.00°	5,746
40.00°	1,465
50.00°	535
60.00°	308
70.00°	156
80.00°	59
90.00°	42

ZONAL LUMENS

Zone	Lumens	%
0° - 10°	1,468	12%
0° - 20°	4,591	38%
0° - 30°	8,092	68%
0° - 40°	10,183	85%
0° - 60°	11,265	94%
0° - 80°	11,597	97%
0° - 90°	11,646	97%
Total	11,976	100%

SINGLE UNIT: PERFORMANCE

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

MULTIPLE UNITS: PERFORMANCE

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
Delivered Illuminance Rating: (DIR)		105 FC per W/Sq. Ft.		91 FC per W/Sq. Ft.	

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 19%
** Exceeds spacing criteria by 6%
*** Exceeds spacing criteria by -10%

Delivered Lumens: 11,976
Luminaire Watts: 111.89
LER: 107.03

CP at 0deg (Nadir): 12,966
CRI: 85+

Beam Angle: 56.3
Spacing Ratio: 0.87

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

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.

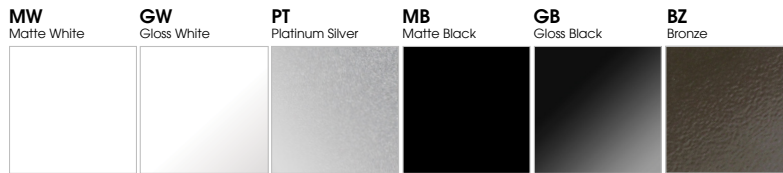## STANDARD CORD / STEM / CANOPY FINISHES

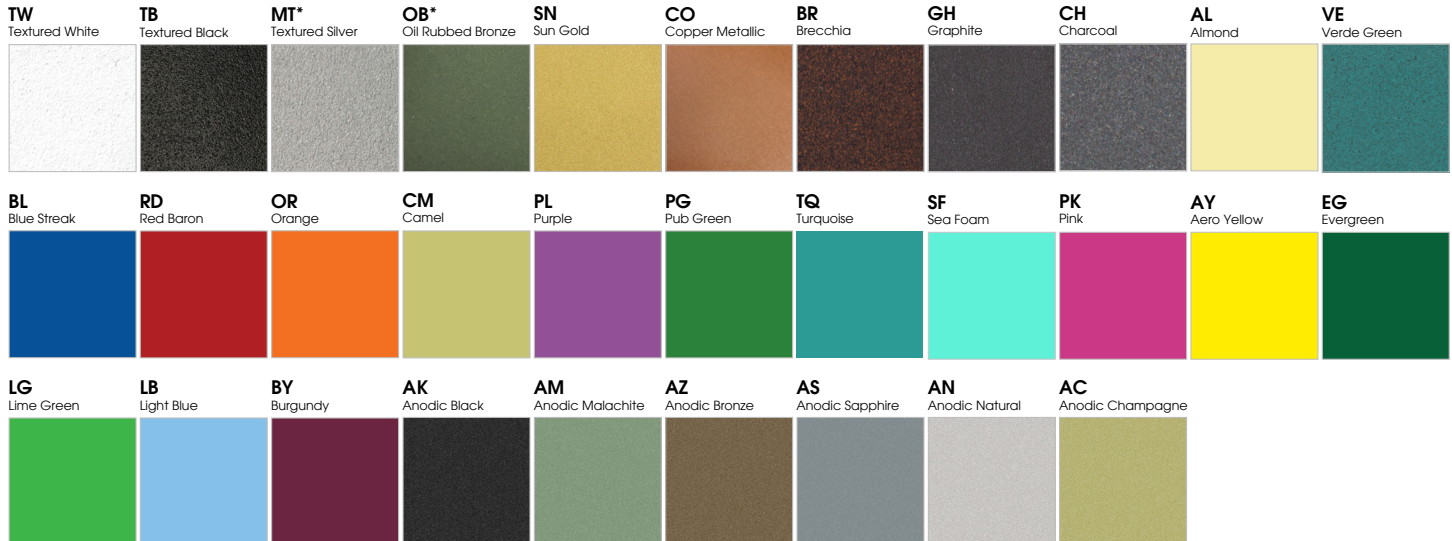| FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	$	🕐
Tier 2 - Typical Finishes	$$	🕐🕐
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW Matte White	**GW** Gloss White	**PT** Platinum Silver	**MB** Matte Black	**GB** Gloss Black	**BZ** Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White	**TB** Textured Black	**MT*** Textured Silver	**OB*** Oil Rubbed Bronze	**SN** Sun Gold	**CO** Copper Metallic	**BR** Brecchia	**GH** Graphite	**CH** Charcoal	**AL** Almond	**VE** Verde Green

BL Blue Streak	**RD** Red Baron	**OR** Orange	**CM** Camel	**PL** Purple	**PG** Pub Green	**TQ** Turquoise	**SF** Sea Foam	**PK** Pink	**AY** Aero Yellow	**EG** Evergreen

LG Lime Green	**LB** Light Blue	**BY** Burgundy	**AK** Anodic Black	**AM** Anodic Malachite	**AZ** Anodic Bronze	**AS** Anodic Sapphire	**AN** Anodic Natural	**AC** Anodic Champagne

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC Custom Color

CC

*UNAVAILABLE FOR WET LOCATION