



# 16" PRISMATIC

## AFL SERIES



### 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

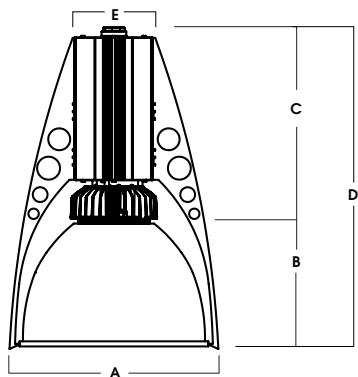
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

#### 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 <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	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 <sup>1</sup>	CCT	DRIVER / DIMMING <sup>3</sup>	OPTIONS <sup>4</sup>	MOUNTING <sup>5</sup>	REFRACTOR	TIER OPTIONS	FINISH <sup>9</sup>
PRAFL16LX	65L 6500 Lm	27K 2700K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 10-0V, 120V/277V DO103 1%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit	HM <sup>6</sup> Hang Straight	DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	AFPF Aluminum Fins w/ Decorative Perforations and 1-Metal Tier Ring	MW <sup>10</sup> Matte White
	100L 10000 Lm	30K 3000K			AT <sup>6</sup> Hang Straight All Thread		AFSF Aluminum Decorative Arm with Slots and 1-Metal Tier Ring	MB <sup>10</sup> Matte Black
	130L 13000 Lm	35K 3500K			CD <sup>6</sup> Cord/ Cable Mount		TIER COLOR OPTIONS	See Page 5 for Full Range of Color Options (83-90081)
	140L 14000 Lm	40K 4000K			HC <sup>6</sup> Hook & Cord			
					NM2 <sup>7</sup> ½" NPT Hub			
					NM3 <sup>7</sup> ¾" NPT Hub			
					EMIT 7W Emergency Battery Test Switch			
					EMCR 10W Canopy Mounted EM			
					EMRM 7W Remote EM			
					EMEN 7W Remote with Enclosure			

**EXAMPLE:** PRAFL16LX100L35KEX/CD36/PR16/AFPF/FC/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 Tier to Match Fixture if Finish Not Specified 9 See Color Page for More Options / Consult Factory for Special Finishes 10 Standard Finishes



PROJECT:

TYPE:



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

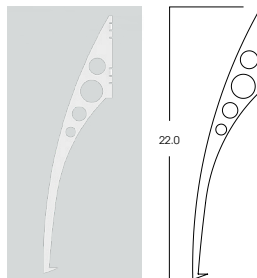


**PT**  
PLATINUM SILVER

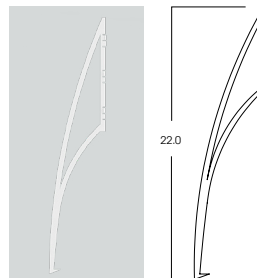


### DECORATIVE ARMS

**AFPF**  
LASER CUT DECO ARM WITH HOLES

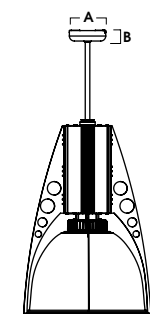


**AFSF**  
LASER CUT DECO ARM WITH SLOTS



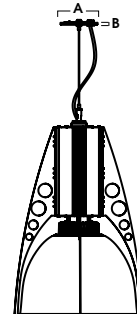
### MOUNTING TYPES

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



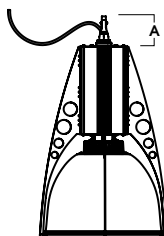
A	B
5.0	1.5
127 mm	38.1 mm

**CD**  
CORD / CABLE MOUNT



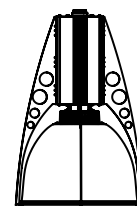
A	B
5.0	.25
63.5 mm	6.35 mm

**HC**  
HOOK CORD



A
4.0
101.6 mm

**NM**  
NO MOUNT

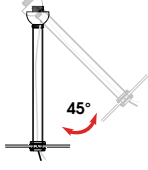
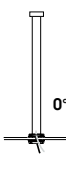
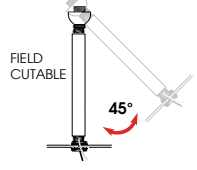
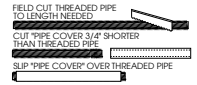

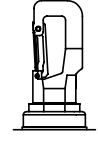


# MOUNTING & ACCESSORIES

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 LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



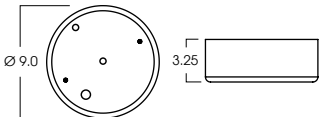
## MOUNTING TYPES

<p><b>HM*</b> HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>HM</b> (Length) SPECIFY LENGTH: <b>HM3</b> - 3"    <b>HM24</b> - 24" <b>HM6</b> - 6"    <b>HM36</b> - 36" <b>HM12</b> - 12"    <b>HM48</b> - 48" <b>HM18</b> - 18"    <b>HM72</b> - 72" <b>HMLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>PM*</b> RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p>  <p>ORDER: <b>PM</b> (Length) SPECIFY LENGTH: <b>PM3</b> - 3"    <b>PM24</b> - 24" <b>PM6</b> - 6"    <b>PM36</b> - 36" <b>PM12</b> - 12"    <b>PM48</b> - 48" <b>PM18</b> - 18"    <b>PM72</b> - 72" <b>PMLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>AT**</b> HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p>  <p>ORDER: <b>AT</b> (Length) SPECIFY LENGTH: <b>AT12</b> - 12" <b>AT24</b> - 24" <b>AT36</b> - 36"</p> 	<p><b>CD</b> CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ORDER: <b>CD</b> (Length) SPECIFY LENGTH: <b>CD36</b> - 36" <b>CD72</b> - 72" <b>CD144</b> - 144" <b>CDLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>HC</b> HOOK &amp; CORD FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>HC</b></p>
--	---	--	---	---

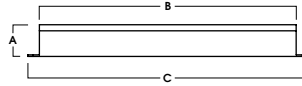

\*MAXIMUM ONE PIECE STEM LENGTH IS 72". \*\*MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

## EMERGENCY BATTERY OPTIONS

**EMCR** - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY





## REMOTE EMERGENCY BATTERY OPTIONS


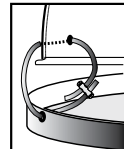
<p><b>EMRM*</b> - 7W REMOTE EMERGENCY BATTERY (50" MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </tbody> </table>	A	B	C	1.3	12.6	13.0	<p><b>EMEN*</b> - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50" MAX)</p>  <table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </tbody> </table>	A	B	C	2.0	17.0	6.2
A	B	C											
1.3	12.6	13.0											
A	B	C											
2.0	17.0	6.2											

\*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

## ADDITIONS

<p><b>FS</b> - FUSING</p> <p>Slow blow type fuse protects fixture against voltage surges. Factory installed.</p> 	<p><b>LSP10 - SM</b> - SURGE PROTECTOR</p> <p>Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.</p> 
--	---

## SAFETY CABLE OPTIONS

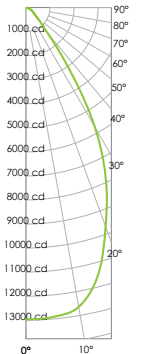
<p><b>SC1</b> - SAFETY CABLE</p> <p>1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.</p> 	<p><b>SC2</b> - SAFETY CABLE</p> <p>1/16" Stainless steel cable holds door to fixture</p> 
--	---

# 16" PRISMATIC

## AFL SERIES / PHOTOMETRIC DATA



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					
 <p>Delivered Lumens: <b>11,976</b> Luminaire Watts: <b>111.89</b> LER: <b>107.03</b></p>	0.00°	0° - 10° 1,468 12%	Mounting Height AFF	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0.00° 12,966	0° - 20° 4,591 38%	FC at Center on Floor	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
	5.00° 12,913	0° - 30° 8,092 68%	Beam Diameter	22'	16' *	49	0.47	61	0.67
	10.00° 12,640	0° - 40° 10,183 85%	FC at Beam Edge	26'	18' **	31	0.29	39	0.42
	15.00° 11,552	0° - 60° 11,265 94%	10.0'	32'	20' ***	26	0.25	23	0.25
	20.00° 9,689	0° - 80° 11,597 97%	12.0'	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%		
	30.00° 5,746	0° - 90° 11,646 97%	14.0'						
	40.00° 1,465	Total 11,976 100%	16.0'						
	50.00° 535		20.0'						
	60.00° 308		24.0'						
	70.00° 156		28.0'						
	80.00° 59		32.0'						
	90.00° 42								
CP at 0deg (Nadir): 12,966		Beam Angle: 56.3		Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93					
CRI: 85+		Spacing Ratio: 0.87		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	\$	①
Tier 2 - Typical Finishes	\$\$	①①
Custom Color	Contact Factory	Contact Factory

\*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

## TIER 1 - STANDARD FINISHES

<b>MW</b> Matte White	<b>GW</b> Gloss White	<b>PT</b> Platinum Silver	<b>MB</b> Matte Black	<b>GB</b> Gloss Black	<b>BZ</b> Bronze

## TIER 2 - TYPICAL FINISHES

<b>TW</b> Textured White	<b>TB</b> Textured Black	<b>MT*</b> Textured Silver	<b>OB*</b> Oil Rubbed Bronze	<b>SN</b> Sun Gold	<b>CO</b> Copper Metallic	<b>BR</b> Brecchia	<b>GH</b> Graphite	<b>CH</b> Charcoal	<b>AL</b> Almond	<b>VE</b> Verde Green
<b>BL</b> Blue Streak	<b>RD</b> Red Baron	<b>OR</b> Orange	<b>CM</b> Carmel	<b>PL</b> Purple	<b>PG</b> Pub Green	<b>TQ</b> Turquoise	<b>SF</b> Sea Foam	<b>PK</b> Pink	<b>AY</b> Aero Yellow	<b>EG</b> Evergreen
<b>LG</b> Lime Green	<b>LB</b> Light Blue	<b>BY</b> Burgundy	<b>AK</b> Anodic Black	<b>AM</b> Anodic Malachite	<b>AZ</b> Anodic Bronze	<b>AS</b> Anodic Sapphire	<b>AN</b> Anodic Natural	<b>AC</b> Anodic Champagne		

## CUSTOM COLOR FINISHES

CONTACT FACTORY

**CC**  
Custom Color



\*UNAVAILABLE FOR WET LOCATION