



16" PRISMATIC TECH SERIES



PRX16LX

APPLICATION

16" 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. Posi-lock refractor retention ring will absorb shocks and impacts. 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

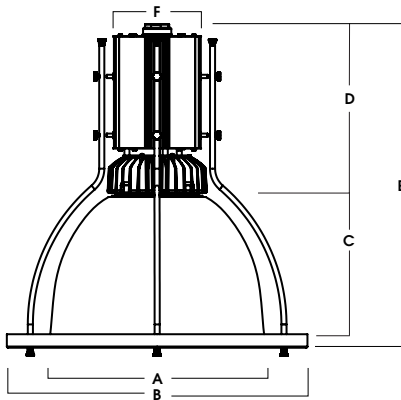
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

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
16.2 411.5 mm	22.0 558.8 mm	13.7 348.0 mm	8.3 210.8 mm	23.3 591.8 mm	6.5 165.1 mm

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
PRX16LX65L	6500	6186	54.1	114
PRX16LX100L	10000	9278	81.1	114
PRX16LX130L	13000	12206	103.9	117
PRX16LX140L	14000	13917	108.7	128

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	REFRACTOR	DIFFUSER OPTION	TIER OPTIONS	FINISH ⁹
PRX16LX	65L 6500 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	SAFETY OPTIONS FS ¹ Fusing 2CIR ² 2 Circuit SC1 Safety Cable SC2 Safety Cable Reflector to door	HM ⁶ Hang Straight AT ⁶ Hang Straight All Thread PM ⁶ Rigid Pendant Mount CD ⁶ Cord / Cable Mount HC ⁶ Hook & Cord NM2 ⁷ 1/2" NPT Hub NM3 ⁷ 3/4" NPT Hub EMERGENCY BATTERY OPTIONS 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	TIER OPTIONS CFG Center Frosted Glass Tier FGR Frosted Glass Ring 1MR ⁸ Single Metal Ring	MW ¹⁰ Matte White MB ¹⁰ Matte Black PT ¹⁰ Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90081)
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K							
	140L 14000 Lm	40K 4000K							

EXAMPLE: PRX16LX100L30KEX/HM36/PR16/1MR/PT

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with PR16-1MR 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 Same Finish as Housing 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

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

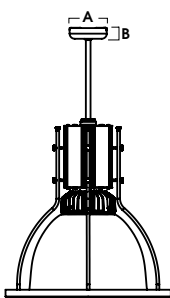


FGR
FROSTED GLASS RING



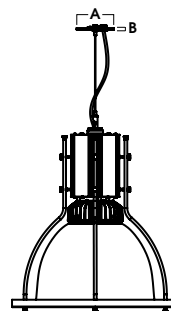
MOUNTING TYPES

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



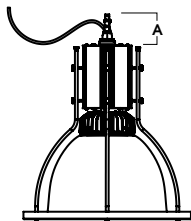
A	B
5.0	1.5
127 mm	38.1 mm

CD
CORD / CABLE MOUNT



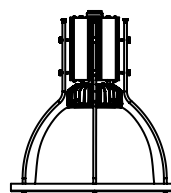
A	B
5.0	.25
63.5 mm	6.35 mm

HC
HOOK CORD



A
4.0
101.6 mm

NM
NO MOUNT





MOUNTING & ACCESSORIES


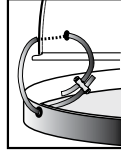
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.





ADDITIONS

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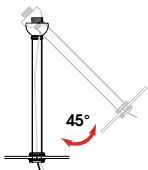
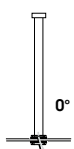
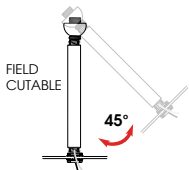
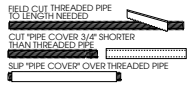

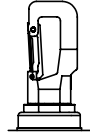

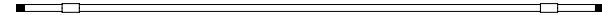
SAFETY CABLE OPTIONS

<p>SC1 - 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>SC2 - SAFETY CABLE</p> <p>1/16" Stainless steel cable holds door to fixture</p> 
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OPTIONS

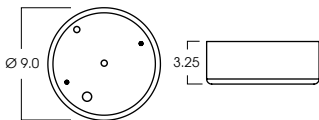
<p>DIFFUSER</p> <p>TF3-6" Frosted Diffuser</p> 	<p>TIER OPTIONS</p> <p>CFG-Center Frosted Glass Tier FGR-Frosted Glass Ring 1MR-Single Metal Ring</p>  <p>DF16 SHOWN WITH 1MR</p>
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MOUNTING TYPES

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p>  <p>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)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p>  <p>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)</p>	<p>AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP</p>  <p>ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"</p>  <p>FIELD CUT THREADED PIPE (LENGTH NEEDED) CUT PIPE COVER 3/4" SHORTER THAN THREADED PIPE SLIP PIPE COVER OVER THREADED PIPE</p>	<p>CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE</p>  <p>ADJUST AND LOCKS</p> <p>ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)</p>	<p>HC HOOK & CORD FOR INDEPENDENT MOUNTING</p>  <p>ORDER: HC (Length) SPECIFY LENGTH: HC36 - 36" HC72 - 72" HC144 - 144" HCLC(XX) Custom Length (Specify in Inches)</p>	<p>NMX 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING</p>  <p>ORDER: NMX (Length) SPECIFY LENGTH: NM2(12) - 12" Leads are Standard NM3(12) - 12" Leads are Standard NMXLC(XX) Custom Length (Specify in Inches)</p>
<p>*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.</p> 					

EMERGENCY BATTERY OPTIONS

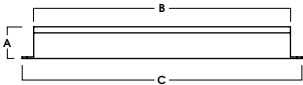
EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY



Ø 9.0 3.25

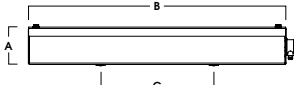
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (60" MAX)



A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (60" MAX)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

16" PRISMATIC

TECH SERIES / PHOTOMETRIC DATA



PRX16LEDLX-140L-35K-E1-PR16-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											
			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°	1,106	9%													
	0.00°	9,846		0° - 20°	3,459	29%	10.0'	98 fc	11.4'	49 fc	22'	16'	47	0.45	25	0.29		
	5.00°	9,707		0° - 30°	6,262	53%	12.0'	68 fc	13.7'	34 fc	26'	18'	29	0.29	36	0.41		
	10.00°	9,336		0° - 40°	8,530	72%	14.0'	50 fc	16.0'	25 fc	32'	20'	25	0.24	21	0.24		
	15.00°	8,633		0° - 60°	10,679	90%	16.0'	38 fc	18.3'	19 fc	Delivered Illuminance Rating: (DIR)							
	20.00°	7,497		0° - 80°	11,320	96%	20.0'	25 fc	22.9'	12 fc	2' Suspension Length							
	30.00°	4,923		0° - 90°	11,424	96%	24.0'	17 fc	27.4'	8 fc	Square rooms used for multiple units:							
	40.00°	2,545		Total	11,839	100%	28.0'	13 fc	32.0'	6 fc	- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00							
	50.00°	1,200					32.0'	10 fc	36.6'	5 fc	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50							
	60.00°	585									+ Average Footcandles at 2.5' Above Floor							
	70.00°	288									* Exceeds spacing criteria by 16%							
	80.00°	140									** Exceeds spacing criteria by 4%							
	90.00°	57									*** Exceeds spacing criteria by -12%							
Delivered Lumens: 11,839 Luminaire Watts: 108.7 LER: 108.91		CP at 0deg (Nadir): 9,846 CRI: 85+	Beam Angle: 59.52 Spacing Ratio: 0.89	Lamp Multiplier: 65L x 0.67, 100L x 1.0, 130L x 1.32, 140L x 1.50 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959														

PRX16LEDLX-140L-35K-E1-PR16-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											
			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°	1,746	12%													
	0.00°	15,493		0° - 20°	5,444	39%	10.0'	155 fc	10.7'	77 fc	22'	12'	83	0.65	72	0.65		
	5.00°	15,322		0° - 30°	9,572	68%	12.0'	108 fc	12.8'	53 fc	26'	14'	71	0.56	46	0.41		
	10.00°	15,249		0° - 40°	12,048	85%	14.0'	79 fc	14.9'	39 fc	32'	16'	54	0.43	47	0.43		
	15.00°	13,603		0° - 60°	13,356	94%	16.0'	61 fc	17.1'	30 fc	Delivered Illuminance Rating: (DIR)							
	20.00°	11,423		0° - 80°	13,727	97%	20.0'	39 fc	21.4'	19 fc	2' Suspension Length							
	30.00°	6,775		0° - 90°	13,778	97%	24.0'	27 fc	25.6'	13 fc	Square rooms used for multiple units:							
	40.00°	1,755		Total	14,135	100%	28.0'	20 fc	29.9'	10 fc	- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00							
	50.00°	647					32.0'	15 fc	34.2'	8 fc	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50							
	60.00°	367									+ Average Footcandles at 2.5' Above Floor							
	70.00°	171									* Exceeds spacing criteria by -10%							
	80.00°	55									** Exceeds spacing criteria by -17%							
	90.00°	47									*** Exceeds spacing criteria by -27%							
Delivered Lumens: 14,135 Luminaire Watts: 108.7 LER: 130.04		CP at 0deg (Nadir): 15,493 CRI: 85+	Beam Angle: 56.15 Spacing Ratio: 0.86	Lamp Multiplier: 65L x 0.67, 100L x 1.0, 130L x 1.32, 140L x 1.50 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959														

PRX16LEDLX-140L-35K-E1-PR16-1MR

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°	1,741	12%													
	0.00°	15,477		0° - 20°	5,432	39%	10.0'	155 fc	10.6'	77 fc	22'	12'	82	0.65	72	0.65		
	5.00°	15,264		0° - 30°	9,543	68%	12.0'	107 fc	12.8'	53 fc	26'	14'	71	0.56	45	0.41		
	10.00°	14,895		0° - 40°	11,980	85%	14.0'	79 fc	14.9'	39 fc	32'	16'	54	0.43	47	0.43		
	15.00°	13,685		0° - 60°	13,213	94%	16.0'	60 fc	17.0'	30 fc	Delivered Illuminance Rating: (DIR)							
	20.00°	11,405		0° - 80°	13,559	97%	20.0'	39 fc	21.3'	19 fc	2' Suspension Length							
	30.00°	6,756		0° - 90°	13,586	97%	24.0'	27 fc	25.6'	13 fc	Square rooms used for multiple units:							
	40.00°	1,683		Total	14,040	100%	28.0'	20 fc	29.8'	10 fc	- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00							
	50.00°	612					32.0'	15 fc	34.1'	8 fc	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50							
	60.00°	334									+ Average Footcandles at 2.5' Above Floor							
	70.00°	164									* Exceeds spacing criteria by -9%							
	80.00°	50									** Exceeds spacing criteria by -16%							
	90.00°	5									*** Exceeds spacing criteria by -26%							
Delivered Lumens: 14,040 Luminaire Watts: 108.7 LER: 129.16		CP at 0deg (Nadir): 15,477 CRI: 85+	Beam Angle: 55.93 Spacing Ratio: 0.85	Lamp Multiplier: 65L x 0.67, 100L x 1.0, 130L x 1.32, 140L x 1.50 CCT Multiplier: 50K x 1.06, 40K x 1.03, 30K x 0.979, 27K x 0.959														

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

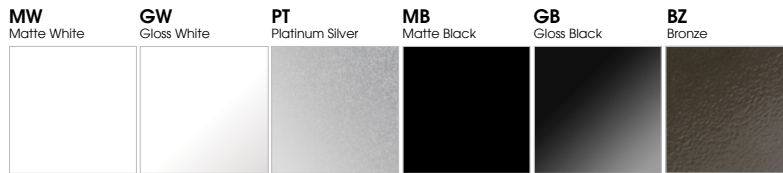
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

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



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION