



# 16" PRISMATIC EXT SERIES



## PREXT16LX

### APPLICATION

16" Lumen Max LX series performance pendant for low, mid-bay and high-bay applications. Prismatic refractor provides horizontal and vertical distribution.

### 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 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

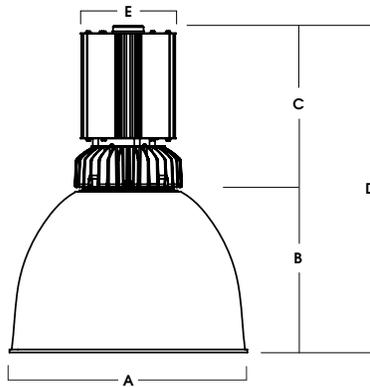
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

### 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.

### 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
16.2	10.8	12.6	23.4	6.6
411.5 mm	274.3 mm	320.0 mm	594.4 mm	167.6 mm

Fixture Weight: 12.5 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
PREXT16LX65L	6500	6173	59.0	105
PREXT16LX100L	10000	9259	90.1	103
PREXT16LX130L	13000	12250	117.0	105
PREXT16LX140L	14000	13192	126.0	105

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>3</sup>	OPTIONS <sup>4</sup>	MOUNTING <sup>5</sup>	REFRACTOR	DIFFUSER OPTIONS	GUARD OPTION	FINISH <sup>9</sup>
PREXT16LX	65L 6500 Lm	27K 2700K	EX Electronic Driver, 120V/277V	SAFETY OPTIONS FS Fusing 2CIR 2 Circuit SC1 Safety Cable SC2 Safety Cable Reflector to door	HM <sup>6</sup> Hang Straight PM <sup>6</sup> Rigid Pendant Mount AT <sup>6</sup> Hang Straight All Thread CD <sup>6</sup> Cord / Cable Mount HC <sup>6</sup> Hook & Cord NM2 <sup>6</sup> 1/2" NPT Hub NM3 <sup>6</sup> 3/4" NPT Hub	DF16 16" Diffuse PR16 16" Clear OP16 16" Opal	TF3 - 6" Frosted Diffuser (CANNOT BE USED WITH DR OR BC OPTIONS)	WAG16 16" Wire Guard	MW <sup>10</sup> Matte White MB <sup>10</sup> Matte Black PT <sup>10</sup> Platinum Silver CC Custom Color
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K	DO10V 1%, 0-10V, 120V/277V						
	140L 14000 Lm	40K 4000K	DO103 1%, 0-10V, 347V						

**EXAMPLE:** PREXT16LX100L35KEX/CD36/PR16/DR16DFO/MW

**NOTES:**  
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with PR16, No Lens 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

## EXT SERIES / FIXTURE OPTIONS

### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK



**PT**  
PLATINUM SILVER



### MOUNTING TYPES

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



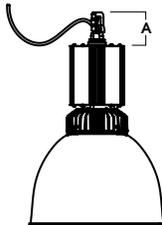
A	B
5.0	1.5
127.0 mm	38.1 mm

**CD**  
CORD / CABLE MOUNT



A	B
5.0	.25
127.0 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

**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.



## 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



**DOOR**

**DR16D-16"** Spun Door  
**BC16-16"** Band Clamp

**LENSES**

**CNFR**-Conical Frosted Lens  
**CN**-Conical Lens  
**DL**-Drop Lens  
**FO**-White Optical Acrylic  
**PP**-Prismatic Polycarbonate  
**PC**-Clear Polycarbonate



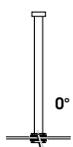
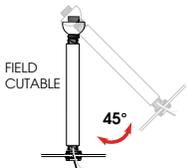
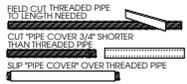
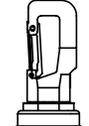
DR16D SHOWN WITH CN

**GUARD OPTION**

**WAG16-16"** Wire Guard



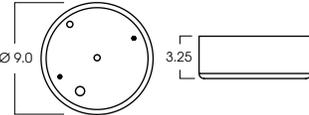
## MOUNTING TYPES

<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 style="font-size: x-small;">FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT PIPE COVER 3/4" SHORTER THAN THREADED PIPE SLIP PIPE COVER OVER THREADED PIPE</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> (Length) SPECIFY LENGTH: <b>HC36</b> - 36" <b>HC72</b> - 72" <b>HC144</b> - 144" <b>HCLC(XX)</b> Custom Length (Specify in Inches)</p>	<p><b>NMX</b> 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING</p>  <p>ORDER: <b>NMX</b> (Length) SPECIFY LENGTH: <b>NM2(12)</b> - 12" Leads are Standard <b>NM3(12)</b> - 12" Leads are Standard <b>NMXLC(XX)</b> Custom Length (Specify in Inches)</p>
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\*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

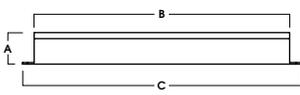
**EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY**



A	B	C
1.3	12.6	13.0

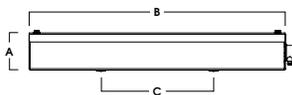
## REMOTE EMERGENCY BATTERY OPTIONS

**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

## EXT SERIES / PHOTOMETRIC DATA



PRxxx16LEDLX-140L-35K-E1-PR16

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	
											FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
	0.00°	0° - 10°	1,454	11%	10.0'	145 fc	10.9'	72 fc	22'	16' *	54	0.52	68	0.76
	0.00° 14,505	0° - 20°	5,025	38%	12.0'	101 fc	13.1'	50 fc	26'	18' **	34	0.33	43	0.48
	5.00° 14,635	0° - 30°	9,023	68%	14.0'	74 fc	15.3'	37 fc	32'	20' ***	29	0.28	25	0.28
	10.00° 14,337	0° - 40°	11,361	86%	16.0'	57 fc	17.5'	28 fc	Delivered Illuminance Rating: [DIR]		103 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.	
	15.00° 13,122	0° - 60°	12,547	95%	20.0'	36 fc	21.9'	18 fc	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					
	20.00° 10,975	0° - 80°	12,916	98%	24.0'	25 fc	26.2'	12 fc	* Average Footcandles at 2.5' Above Floor					
	30.00° 6,569	0° - 90°	12,968	98%	28.0'	19 fc	30.6'	9 fc	** Exceeds spacing criteria by 19%					
	40.00° 1,565	Total	13,221	100%	32.0'	14 fc	35.0'	7 fc	*** Exceeds spacing criteria by -10%					
	50.00° 591								Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L 1.42					
	60.00° 345								CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959					
	70.00° 175													
	80.00° 63													
90.00° 43														

Delivered Lumens: 13,221  
Luminaire Watts: 126  
LER: 104.93

CP at 0deg (Nadir): 14,505  
CRI:

Beam Angle: 57.08  
Spacing Ratio: 0.87

# 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