



16" PRISMATIC EXL SERIES



PREXL16LX

APPLICATION

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

FEATURES

Extended Extruded Fixture Housing (EXL) designed for integral EM 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

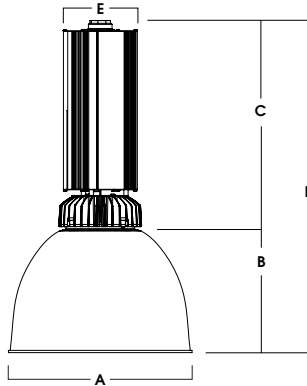
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multicircuit option.

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.

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
16.0	10.8	18.3	29.1	6.6
406.4 mm	374.3 mm	464.8 mm	739.1 mm	167.6 mm

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
PREXL16LX65L	6500	6173	59.0	105
PREXL16LX100L	10000	9259	90.1	103
PREXL16LX130L	13000	12250	117.0	105
PREXL16LX140L	14000	13192	126.0	105

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	OPTIONS ⁴	MOUNTING ⁵	REFRACTOR	DIFFUSER OPTIONS	GUARD OPTION	FINISH ¹⁰
PREXL16LX	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 Fusing 2CIR 2 Circuit SC1 Safety Cable SC2 Safety Cable Reflector to door EMIT 7W Emergency Battery Test Switch EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	HM ⁶ Hang Straight PM ⁶ Rigid Pendant Mount AT ⁶ Hang Straight All Thread CD ⁶ Cord / Cable Mount HC ⁶ Hook & Cord NM2 ⁶ 1/2" NPT Hub NM3 ⁶ 3/8" NPT Hub EMERGENCY BATTERY OPTIONS	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 (CANNOT BE USED WITH DR OR BC OPTIONS)	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: PREXL16LX100L35KEX/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

EXL SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

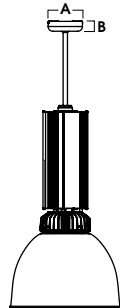


PT
PLATINUM SILVER



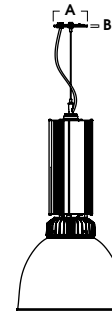
MOUNTING TYPES

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



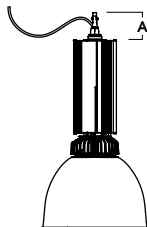
A	B
5.0	1.5
127 mm	38.1 mm

CD
CORD / CABLE MOUNT



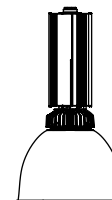
A	B
5.0	.25
63.5 mm	6.35 mm

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


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

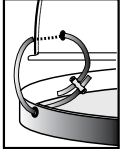
SC1 - SAFETY CABLE

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

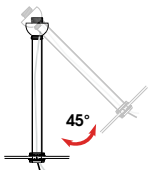
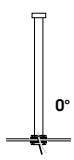
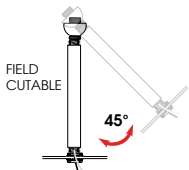
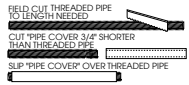

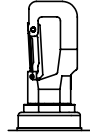

1/16" Stainless steel cable holds door to fixture



OPTIONS

<p>DIFFUSER</p> <p>TF3-6" Frosted Diffuser</p> 	<p>DOOR</p> <p>DR16D-16" Spun Door BC16-16" Band Clamp</p>	<p>LENSES</p> <p>CNFR-Conical Frosted Lens CN-Conical Lens DL-Drop Lens FO-White Optical Acrylic PP-Prismatic Polycarbonate PC-Clear Polycarbonate</p>  <p style="font-size: small; text-align: center;">DR16D SHOWN WITH CN</p>	<p>GUARD OPTION</p> <p>WAG16-16" Wire Guard</p> 
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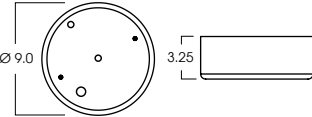
MOUNTING TYPES

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

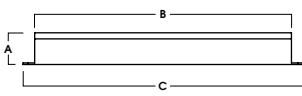
EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY



A	B	C
1.3	12.6	13.0

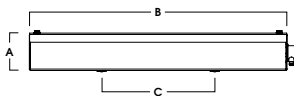
REMOTE EMERGENCY BATTERY OPTIONS

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

EXL SERIES / PHOTOMETRIC DATA



PRxxx16LEDLX-140L-35K-E1-PR16

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE				MULTIPLE UNITS: PERFORMANCE							
				INITIAL FOOTCANDLES				80/50/20% REFLECTANCES		INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
	0.00°	0° - 10°	1,454	11%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0.00°	14,505	0° - 20°	5,025	38%						FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	
	5.00°	14,635	0° - 30°	9,023	68%	10.0'	145 fc	10.9'	72 fc	22'	16'*	54	0.52	68	0.76
	10.00°	14,337	0° - 40°	11,361	86%	12.0'	101 fc	13.1'	50 fc	26'	18'***	34	0.33	43	0.48
	15.00°	13,122	0° - 60°	12,547	95%	14.0'	74 fc	15.3'	37 fc	32'	20'***	29	0.28	25	0.28
	20.00°	10,975	0° - 80°	12,916	98%	16.0'	57 fc	17.5'	28 fc	Delivered Illuminance Rating: (DIR) 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°	6,569	0° - 90°	12,968	98%	20.0'	36 fc	21.9'	18 fc						
	40.00°	1,565	Total	13,221	100%	24.0'	25 fc	26.2'	12 fc						
	50.00°	591				28.0'	19 fc	30.6'	9 fc						
	60.00°	345				32.0'	14 fc	35.0'	7 fc						
70.00°	175								Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L 1.42 CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959						
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

Lamp Multiplier: 65L x 0.67, 100L x 1, 130L x 1.32, 140L 1.42
 CCT Multiplier: 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

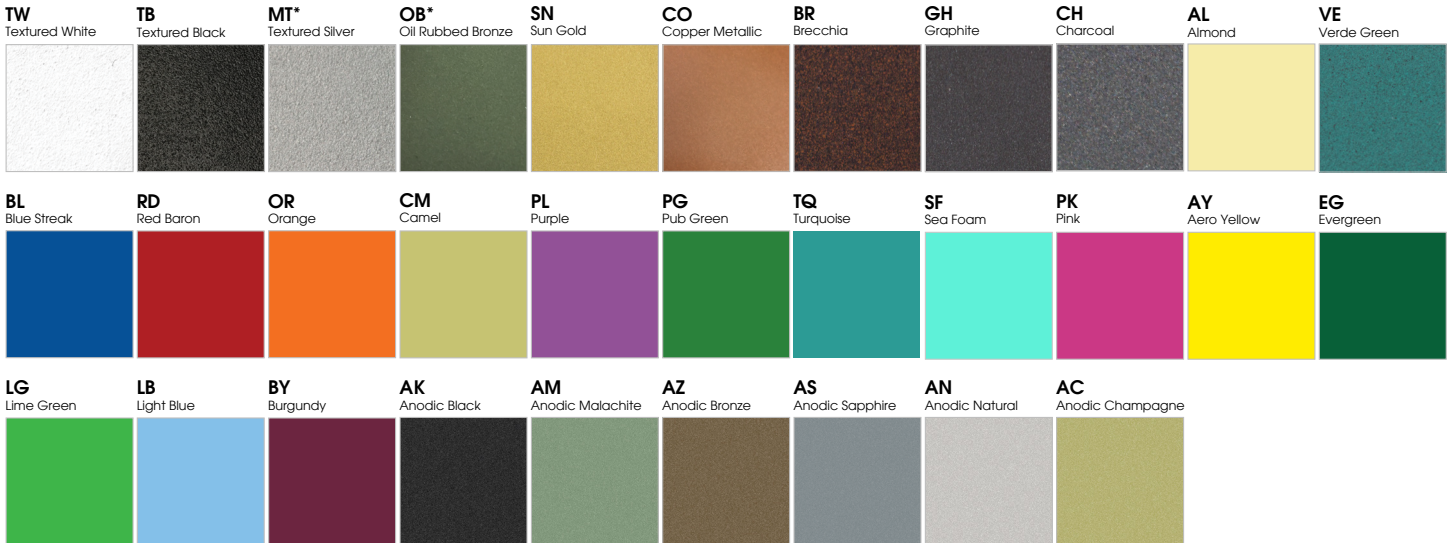
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*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