



# 16" ALUMINUM TECH SERIES



## ALX16LX

### APPLICATION

16" Lumen Max LX series performance pendant for low, mid-bay and high-bay applications. Aluminum reflector designed for maximum downlight.

### 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. Post-lock reflector retention ring will absorb shocks and impact. 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. Standard Matte White interior finish on reflectors.

### ELECTRONICS

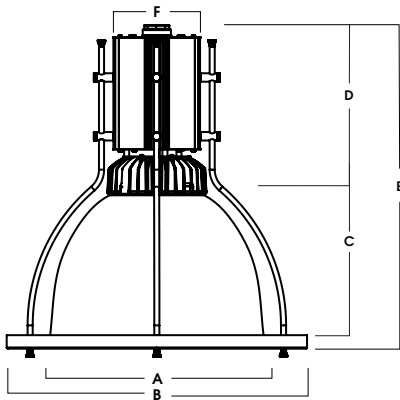
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multi circuit option as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

### CONSTRUCTION

Extruded and machined 6063-T5 aluminum housing. Graphite gasket for optimal thermal management. Die-cast aluminum heat sink. Reflector made of spun .060" aluminum. 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	22.0	11.3	11.6	23.1	6.5
411.5 mm	558.8 mm	287.02 mm	294.6 mm	586.74 mm	165.1 mm

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS	LPW
ALX16LX65L	6500	5480	56.2	98
ALX16LX100L	10000	8221	81.1	101
ALX16LX130L	13000	10815	103.9	104
ALX16LX140L	14000	11646	111.9	104

SERIES	LUMENS <sup>1</sup>	CCT	DRIVER / DIMMING <sup>3</sup>	OPTIONS <sup>4</sup>	MOUNTING <sup>5</sup>	REFLECTOR	DIFFUSER OPTION	TIER OPTIONS	FINISH <sup>10</sup>
ALX16LX	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	HM <sup>6</sup> Hang Straight AT <sup>7</sup> Hang Straight All Thread PM <sup>8</sup> Rigid Pendant Mount CD <sup>9</sup> Cord / Cable Mount HC <sup>9</sup> Hook & Cord NM2 <sup>7</sup> 1/2" NPT Hub NM3 <sup>7</sup> 3/4" NPT Hub EMERGENCY BATTERY OPTIONS EMCR 10W Canopy Mounted EM EMRM 7W Remote EM EMEN 7W Remote with Enclosure	AL16/MWI <sup>9</sup> Matte White Inside AL16/FCI <sup>9</sup> Fixture Color Inside	TF3 6" Frosted Diffuser	CFG Center Frosted Glass Tier FGR Frosted Glass Ring 1MR <sup>9</sup> Single Metal Ring	MW <sup>11</sup> Matte White MB <sup>11</sup> Matte Black PT <sup>11</sup> Platinum Silver CC Custom Color
	100L 10000 Lm	30K 3000K							
	130L 13000 Lm	35K 3500K							
	140L 14000 Lm	40K 4000K							
See Page 5 for Full Range of Color Options (83-90081)									

**EXAMPLE:** ALX16LX100L35KEX/HM36/AL16/MWI/CFG/PT

**NOTES:**  
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K 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 Reflector Finished Matte White with Finish Color Out 9 Same Finish as Housing 10 See Color Page for More Options / Consult Factory for Special Finishes 11 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" ALUMINUM

## TECH SERIES / FIXTURE OPTIONS

### STANDARD FINISHES

**MW**  
MATTE WHITE



**MB**  
MATTE BLACK



**PT**  
PLATINUM SILVER

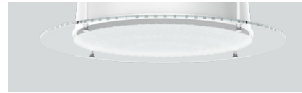


### DECO-TIER OPTIONS

**1MR**  
SINGLE METAL RING



**CFG**  
CENTERED FROSTED GLASS

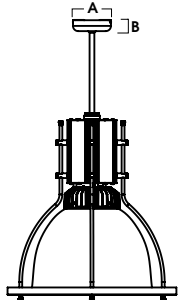


**FGR**  
FROSTED GLASS RING



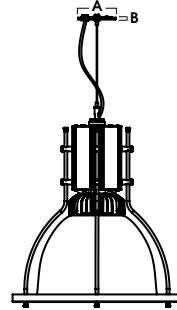
### MOUNTING TYPES

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



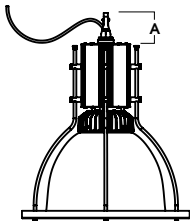
A	B
5.0	1.5
127 mm	38.1 mm

**CD**  
CORD / CABLE MOUNT



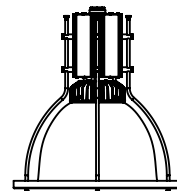
A	B
5.0	.25
63.5 mm	6.35 mm

**HC**  
HOOK CORD



A
4.0
101.6 mm

**NM**  
NO MOUNT





# MOUNTING & ACCESSORIES


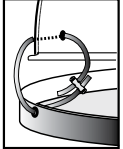
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.





## ADDITIONS

<p><b>FS - FUSING</b></p> <p>Slow blow type fuse protects fixture against voltage surges. Factory installed.</p> 	<p><b>LSP10 - SM - SURGE PROTECTOR</b></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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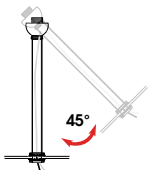
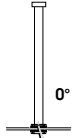
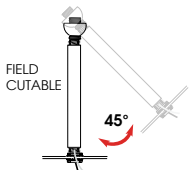
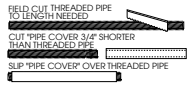

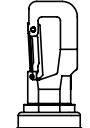

## SAFETY CABLE OPTIONS

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

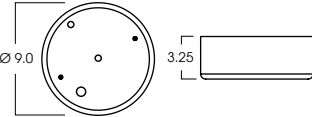
<p><b>DIFFUSER</b></p> <p><b>TF3-6" Frosted Diffuser</b></p> 	<p><b>TIER OPTIONS</b></p> <p><b>CFG</b>-Center Frosted Glass Tier  <b>FGR</b>-Frosted Glass Ring  <b>1MR</b>-Single Metal Ring</p>  <p>AL16/MM1 SHOWN WITH 1MR</p>
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## MOUNTING TYPES

<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 - 3" HM24 - 24"</b>  <b>HM6 - 6" HM36 - 36"</b>  <b>HM12 - 12" HM48 - 48"</b>  <b>HM18 - 18" HM72 - 72"</b>  <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 - 3" PM24 - 24"</b>  <b>PM6 - 6" PM36 - 36"</b>  <b>PM12 - 12" PM48 - 48"</b>  <b>PM18 - 18" PM72 - 72"</b>  <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 - 12"</b>  <b>AT24 - 24"</b>  <b>AT36 - 36"</b></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>	<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 - 36"</b>  <b>CD72 - 72"</b>  <b>CD144 - 144"</b>  <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 - 36"</b>  <b>HC72 - 72"</b>  <b>HC144 - 144"</b>  <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) - 12"</b> Leads are Standard  <b>NM3(12) - 12"</b> Leads are Standard  <b>NMXLC(XX)</b>          Custom Length          (Specify in Inches)</p>
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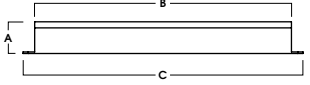
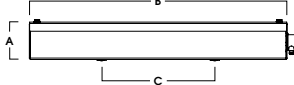
## EMERGENCY BATTERY OPTIONS

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



A	B	C
1.3	12.6	13.0

## REMOTE EMERGENCY BATTERY OPTIONS

<p><b>EMRM* - 7W REMOTE EMERGENCY BATTERY (60' MAX)</b></p>  <table border="1"> <tr> <td>A</td> <td>B</td> <td>C</td> </tr> <tr> <td>1.3</td> <td>12.6</td> <td>13.0</td> </tr> </table>	A	B	C	1.3	12.6	13.0	<p><b>EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (60' MAX)</b></p>  <table border="1"> <tr> <td>A</td> <td>B</td> <td>C</td> </tr> <tr> <td>2.0</td> <td>17.0</td> <td>6.2</td> </tr> </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

# 16" PRISMATIC

## TECH SERIES / PHOTOMETRIC DATA



### ALX16LX-140L-35K-EX-AL16-CFG-xx

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°	518	6%	10.0'	55 fc	15.6'	26 fc	22'	16'	36	0.47	19	0.30
	0.00°	0° - 20°	1,916	20%	12.0'	38 fc	18.7'	18 fc	26'	18"	23	0.29	27	0.42
	5.00°	0° - 30°	3,841	41%	14.0'	28 fc	21.8'	13 fc	32'	20"	19	0.25	16	0.25
	10.00°	0° - 40°	5,759	61%	16.0'	21 fc	24.9'	10 fc	Delivered Illuminance Rating: (DIR)					
	15.00°	0° - 60°	8,155	87%	20.0'	14 fc	31.1'	7 fc	2' Suspension Length					
	20.00°	0° - 80°	9,068	97%	24.0'	9 fc	37.3'	5 fc	Square rooms used for multiple units:					
	30.00°	0° - 90°	9,186	98%	28.0'	7 fc	43.6'	3 fc	- RCR 2: Length & Width = Ceiling Ht. - 6.5' x 5.00					
	40.00°	Total	9,389	100%	32.0'	5 fc	49.8'	3 fc	- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50					
	50.00°	CP at 0deg (Nadir):	5,450	Beam Angle:	75.92	Lamp Multiplier:	65L x 0.47, 100L x 0.71, 130L x 0.93							
	60.00°	CRI:	80+	Spacing Ratio:	1.05	CCT Multiplier:	40K x 1.03, 30K x 0.979, 27K x 0.959							
	70.00°	Delivered Lumens:	9,389											
	80.00°	Luminaire Watts:	111.89											
	90.00°	LER:	83.91											

### ALX16LX-140L-35K-EX-AL16-FGR-xx

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°	732	6%	10.0'	76 fc	14.9'	37 fc	22'	20'	29	0.30	24	0.30
	0.00°	0° - 20°	2,719	23%	12.0'	53 fc	17.9'	26 fc	26'	22"	18	0.19	15	0.19
	5.00°	0° - 30°	5,519	47%	14.0'	39 fc	20.8'	19 fc	32'	24"	17	0.17	20	0.25
	10.00°	0° - 40°	8,164	70%	16.0'	30 fc	23.8'	14 fc	Delivered Illuminance Rating: (DIR)					
	15.00°	0° - 60°	10,367	89%	20.0'	19 fc	29.8'	9 fc	97 FC per W/Sq. Ft.					
	20.00°	0° - 80°	11,379	98%	24.0'	13 fc	35.7'	6 fc	81 FC per W/Sq. Ft.					
	30.00°	0° - 90°	11,467	99%	28.0'	10 fc	41.7'	5 fc	2' Suspension Length					
	40.00°	Total	11,637	100%	32.0'	7 fc	47.6'	4 fc	Square rooms used for multiple units:					
	50.00°	CP at 0deg (Nadir):	7,638	Beam Angle:	73.18	Lamp Multiplier:	65L x 0.47, 100L x 0.71, 130L x 0.93							
	60.00°	CRI:	80+	Spacing Ratio:	1.11	CCT Multiplier:	40K x 1.03, 30K x 0.979, 27K x 0.959							
	70.00°	Delivered Lumens:	11,637											
	80.00°	Luminaire Watts:	111.89											
	90.00°	LER:	104.00											

### ALX16LX-140L-35K-EX-AL16-1MR-xx

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°	728	6%	10.0'	76 fc	14.8'	37 fc	22'	20'	28	0.30	24	0.30
	0.00°	0° - 20°	2,693	23%	12.0'	53 fc	17.7'	25 fc	26'	22"	18	0.19	15	0.19
	5.00°	0° - 30°	5,446	47%	14.0'	39 fc	20.7'	19 fc	32'	24"	16	0.17	20	0.25
	10.00°	0° - 40°	8,034	70%	16.0'	30 fc	23.6'	14 fc	Delivered Illuminance Rating: (DIR)					
	15.00°	0° - 60°	10,116	88%	20.0'	19 fc	29.5'	9 fc	96 FC per W/Sq. Ft.					
	20.00°	0° - 80°	11,089	97%	24.0'	13 fc	35.4'	6 fc	80 FC per W/Sq. Ft.					
	30.00°	0° - 90°	11,158	97%	28.0'	10 fc	41.3'	5 fc	2' Suspension Length					
	40.00°	Total	11,479	100%	32.0'	7 fc	47.2'	4 fc	Square rooms used for multiple units:					
	50.00°	CP at 0deg (Nadir):	7,574	Beam Angle:	72.68	Lamp Multiplier:	65L x 0.47, 100L x 0.71, 130L x 0.93							
	60.00°	CRI:	80+	Spacing Ratio:	1.1	CCT Multiplier:	40K x 1.03, 30K x 0.979, 27K x 0.959							
	70.00°	Delivered Lumens:	11,479											
	80.00°	Luminaire Watts:	111.89											
	90.00°	LER:	102.59											

# 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

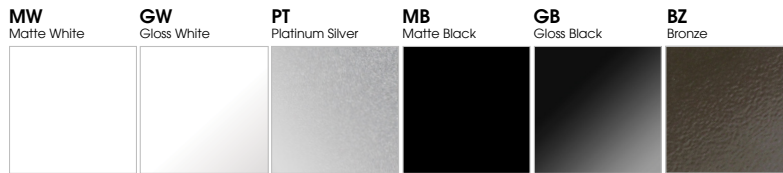
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

## 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