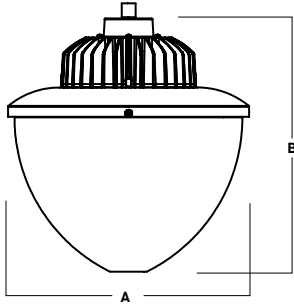




PA1315 SHOWN



A	B
13.12	13.8
333.25 mm	350.5 mm

12" High Bay 13350 Lm

Prismatic Refractor



PA1212LX

APPLICATION

12" Lumen Max LX series performance pendant for excellent general illumination.

FEATURES

PA1212LX prismatic acrylic refractor distributes horizontal and vertical illumination providing excellent area lighting. Single mid-powered LED modules. A wide variety of mounting options. LED module and driver are serviceable for future replacement and maintenance.

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 and CRI 80 minimum. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming devices. LED module is 2 circuit with 2 drivers for multicircuit option as well as safety.

CONSTRUCTION

Fixture shades are spun in our factory from 0.060" high purity aluminum. Refractor is molded UV stabilized acrylic with clear prismatic and frosted etched prismatic options.

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.

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
PA1212LX65L	6739	56.5	119
PA1212LX100L	10085	88.0	115
PA1212LX130L	13342	103.9	128

¹ Delivered Lumens at 35K with PA1315 Refractor

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	OPTIONS ³	MOUNTING ⁴	REFRACTOR	FINISH ⁶	MOUNTING OPTION ⁸
PA1212LX	65L 6750 Lm	27K 2700K	EX Electronic Driver, 120V/277V	FS Fusing 2CIR 2 Circuit SC2 Safety Cable, Refractor to Door	CP113 Driver Housing HM ⁵ Hang Straight PM ⁵ Rigid Pendant CD ⁵ Cord/Cable Mount	FR1315 Frosted Etch Prismatic PA1315 Clear Prismatic	MW ⁷ Matte White MB ⁷ Matte Black PT ⁷ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	100L 10100 Lm	30K 3000K	DS10X 10%, 0-10V, 120V/277V					
	130L 13350 Lm	35K 3500K 40K 4000K	DO10X 1%, 0-10V, 120V/277V DO103 1%, 0-10V, 347V					
						EMERGENCY BATTERY OPTIONS		
						EMRM 7W Remote EM		
						EMEN 7W Remote with Enclosure		

EXAMPLE: PA1212LX65L30KEX/CP113HM36/PA1315/PT

NOTES:
¹ Delivered Lumens at 35K with PA1315 Refractor ² Contact Factory for Additional Options ³ See Product Options Page for Details ⁴ See Mounting Page for Details on Components and Finishes ⁵ Specify Length in Inches: See Mounting Page for Available Lengths ⁶ Reference Color Sheet Located on Product Webpage for Full List of Available Colors ⁷ Standard Finishes ⁸ Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



PRISMATIC ACORN PENDANT

PA SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

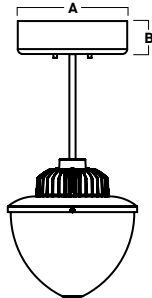


PT
PLATINUM SILVER



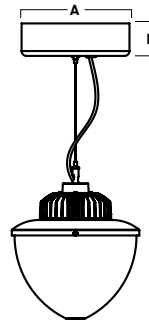
MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



A	B
3.3	10.8
84.8 mm	274.3 mm

CD
CORD / CABLE MOUNT



A	B
3.3	10.8
84.8 mm	274.3 mm



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.



SAFETY CABLE OPTIONS

SC1 - Safety Cable

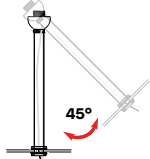
1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.



MOUNTING TYPES

HM* - Hang Straight

45° SWIVEL 5/8" OD STEM - 3/8" IP



ORDER: **HM** (Length)

SPECIFY LENGTH:

HM3 - 3" **HM24** - 24"

HM6 - 6" **HM36** - 36"

HM12 - 12" **HM48** - 48"

HM18 - 18" **HM72** - 72"

HMLC(XX)

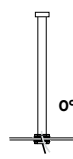
Custom Length

(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM* - Rigid Pendant Mount

RIGID 5/8" OD STEM - 3/8" IP



ORDER: **PM** (Length)

SPECIFY LENGTH:

PM3 - 3" **PM24** - 24"

PM6 - 6" **PM36** - 36"

PM12 - 12" **PM48** - 48"

PM18 - 18" **PM72** - 72"

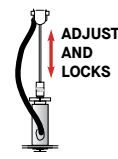
PMLC(XX)

Custom Length

(Specify in Inches)

CD - Cord / Cable Mount

SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)

SPECIFY LENGTH:

CD36 - 36"

CD72 - 72"

CD144 - 144"

CDLC(XX)

Custom Length

(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72".

LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

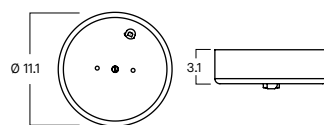
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



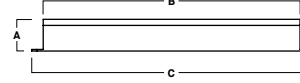
CEILING MOUNT CANOPY

CP113 - Driver Compartment with Leads (REQUIRED)



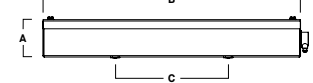
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W Remote Emergency Battery (50' Max)



A	B	C
1.3	12.6	13.0

EMEN* - 7W Remote Emergency Battery with Enclosure (50' Max)



A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY



PRISMATIC ACORN PENDANT

PA SERIES / PHOTOMETRIC DATA



PA1212LEDLX-130L-35K-Ex-PA1315/xx/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
<p>Delivered Lumens: 13,349 Luminaire Watts: 103.9 LER: 128.48</p>	0.00° 1,681	0° - 10° 192 1%	Mounting Height AFF	Ceiling Height
	5.00° 1,899	0° - 20° 805 6%	FC at Center on Floor	Fixture Spacing
	10.00° 2,010	0° - 30° 2,082 16%	Beam Diameter	RCR 1
	15.00° 2,103	0° - 40° 4,054 30%	FC at Beam Edge	RCR 3
	20.00° 2,509	0° - 60° 9,499 71%		FC *
	24.00° 2,934	0° - 80° 12,582 94%		W/Sq. Ft.
	27.00° 3,213	0° - 90° 12,825 96%		FC *
	30.00° 3,424	Total 13,349 100%		W/Sq. Ft.
	35.00° 3,529			Delivered Illuminance Rating: (DIR)
	40.00° 3,529			126 FC per W/Sq. Ft.
	45.00° 3,424			93 FC per W/Sq. Ft.
	50.00° 3,213			3' Suspension Length
55.00° 2,934			Square rooms used for multiple units:	
60.00° 2,509			- RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00	
65.00° 2,103			- RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33	
70.00° 1,899			* Average Footcandles at 2.5' Above Floor	
75.00° 1,681			* Exceeds spacing criteria by -30%	
80.00° 1,481			** Exceeds spacing criteria by -37%	
85.00° 1,281			*** Exceeds spacing criteria by -42%	
90.00° 1,081				
	CP of 0deg (Nadir): 1,681	Beam Angle: 137.13	Lamp Multiplier: 65L x 1, 100L x 1.47, 130L x 1.98	
	CRI: 80	Spacing Ratio: 2.47	CCT Multiplier: 40K x 1.031, 30K x 0.979, 27K x 0.959	

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> - CP Candela at 0° (Nadir) - Cos θ Cosine of θ Angle - D Distance (Mounting Height AFF) - FC_H Footcandles, Horizontal - Beam Angle Cone of light to 50% max. CP - Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 4' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR®): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> - To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ - To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> - To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ - To estimate Watts/Sq. Ft.: $W/ \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

