PRISMATIC ACORN PENDANT
## PA SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

PA1315 SHOWN

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.

A	B
13.12	13.8
333.25 mm	350.5 mm

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
PA1212LX65L	6500	6739	56.5	119
PA1212LX100L	10000	10085	88.0	115
PA1212LX130L	13000	13342	103.9	128

SERIES	LUMENS[1]		CCT		DRIVER / DIMMING[3]		OPTIONS[4]		MOUNTING[5]		REFRACTOR		FINISH[7]	
PA1212LX	65L	6500 Lm	27K	2700K	EX	Electronic Driver, 120V/277V	FS	Fusing	CP113	Driver Housing	FR1315	Frosted Etch Prismatic	MW[8]	Matte White
	100L	10000 Lm	30K	3000K	DS10X	10%, 0-10V, 120V/277V	2CIR	2 Circuit	RM	Remote Driver	PA1315	Clear Prismatic	MB[8]	Matte Black
	130L	13000 Lm	35K	3500K	DO10X	1%, 0-10V, 120V/277V	SC2	Safety Cable, Refractor to Door	HM[6]	Hang Straight			PT[8]	Platinum Silver
			40K	4000K	DO103	1%, 0-10V, 347V			AT[6]	Hang Straight All Thread			CC	Custom Color
									PM[6]	Rigid Pendant				
									CD[6]	Cord/Cable Mount				
								EMERGENCY BATTERY OPTIONS				See Page 5 for Full Range of Color Options (83-90081)	
									EMRM	7W Remote EM				
									EMEN	7W Remote with Enclosure				

EXAMPLE: PA1212LX65L30KEX/CP113HM36/PA1315/PT

NOTES:
1 Nominal Source Lumens at 35K   2 Delivered Lumens at 35K with PA1315 Refractor   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 See Color Page for More Options / Consult Factory for Special Finishes   8 Standard Finishes

Spectrum Lighting

PROJECT:
QUANTITY:
TYPE:

ILLUMINATING WHAT'S POSSIBLE.

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.   83-20037_RD

PRISMATIC ACORN PENDANT
PA SERIES / FIXTURE OPTIONS

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER

MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT
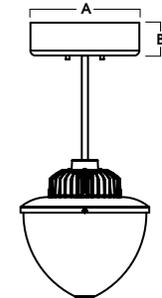
A	B
3.3	10.8
84.8 mm	274.3 mm

CD
CORD / CABLE MOUNT

A	B
3.3	10.8
84.8 mm	274.3 mm

Spectrum Lighting
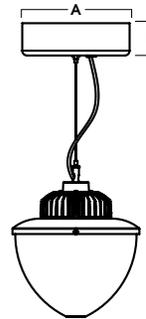
PRISMATIC ACORN PENDANT
PA SERIES / PHOTOMETRIC DATA

PA1212LEDLX-130L-35K-Ex-PA1315/xx/xx

CANDLEPOWER CURVE

Delivered Lumens: 13,349
Luminaire Watts: 103.9
LER: 128.48

INTENSITY

0.00°	1,681
5.00°	1,899
10.00°	2,010
15.00°	2,103
20.00°	2,509
30.00°	3,026
40.00°	3,213
50.00°	3,424
60.00°	2,934
70.00°	1,529
80.00°	295
90.00°	194

CP at 0deg (Nadir): 1,681
CRI: 80

ZONAL LUMENS

0° - 10°	192	1%
0° - 20°	805	6%
0° - 30°	2,082	16%
0° - 40°	4,054	30%
0° - 60°	9,499	71%
0° - 80°	12,582	94%
0° - 90°	12,825	96%
Total	13,349	100%

Beam Angle: 137.13
Spacing Ratio: 2.47

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
8.0 '	26 fc	40.5 '	-2 fc
10.0 '	17 fc	50.7 '	-1 fc
12.0 '	12 fc	60.8 '	-1 fc
14.0 '	9 fc	70.9 '	-1 fc
16.0 '	7 fc	81.1 '	0 fc
20.0 '	4 fc	101.3 '	0 fc
24.0 '	3 fc	121.6 '	0 fc
28.0 '	2 fc	141.8 '	0 fc

Lamp Multiplier: 65L x 1, 100L x 1.47, 130L x 1.98
CCT Multiplier: 40K x 1.031, 30K x 0.979, 27K x 0.959

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 1 FC [+]	RCR 1 W/Sq. Ft.	RCR 3 FC [+]	RCR 3 W/Sq. Ft.
17'	20' [*]	36	0.28	26	0.28
21'	24' [**]	20	0.16	15	0.16
25'	28' [***]	17	0.13	9	0.10
Delivered Illuminance Rating: (DIR)		126 FC per W/Sq. Ft.		93 FC per W/Sq. Ft.	

3' Suspension Length
Square rooms used for multiple units:
- RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00
- RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33
[+] Average Footcandles at 2.5' Above Floor
[*] Exceeds spacing criteria by -30%
[**] Exceeds spacing criteria by -37%
[***] Exceeds spacing criteria by -42%

Spectrum Lighting

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 LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

LUMEN MAX
HIGH BAY LUMINAIRES

MOUNTING TYPES

HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP

45°

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)

PM*
RIDGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP

0°
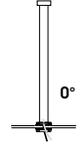
ORDER: **PM** (Length)
SPECIFY LENGTH:

PM3 - 3"	**PM24 -** 24"
PM6 - 6"	**PM36 -** 36"
PM12 - 12"	**PM48 -** 48"
PM18 - 18"	**PM72 -** 72"
PMLC(XX)	

Custom Length
(Specify in Inches)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP

FIELD CUTABLE

45°

ORDER: **AT** (Length)
SPECIFY LENGTH:

AT12 - 12"
AT24 - 24"
AT36 - 36"

FIELD CUT THREADED PIPE TO LENGTH NEEDED

CUT "PIPE COVER 3/4" SHORTER THAN THREADED PIPE

SLIP "PIPE COVER" OVER THREADED PIPE
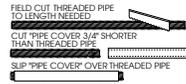
CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

ADJUST AND LOCKS

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". **MAXIMUM ONE PIECE STEM LENGTH IS 36".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

CEILING MOUNT CANOPY

CP113 - DRIVER COMPARTMENT
WITH LEADS
(REQUIRED)

Ø 11.1   3.1
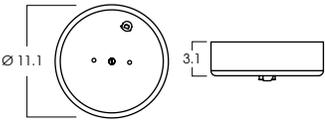
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)
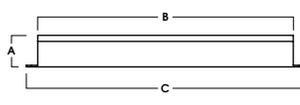
A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)
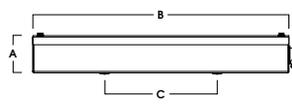
A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

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.

surge protector

SAFETY CABLE OPTIONS

SC2 - SAFETY CABLE

1/16" Stainless steel cable holds door to fixture

Spectrum Lighting

ILLUMINATING WHAT'S POSSIBLE.
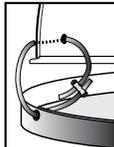
COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.

SPECTRUM
POWDER COAT COLORS

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

MW Matte White | **GW** Gloss White | **PT** Platinum Silver | **MB** Matte Black | **GB** Gloss Black | **BZ** Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White | **TB** Textured Black | **MT*** Textured Silver | **OB*** Oil Rubbed Bronze | **SN** Sun Gold | **CO** Copper Metallic | **BR** Brecchia | **GH** Graphite | **CH** Charcoal | **AL** Almond | **VE** Verde Green

BL Blue Streak | **RD** Red Baron | **OR** Orange | **CM** Camel | **PL** Purple | **PG** Pub Green | **TQ** Turquoise | **SF** Sea Foam | **PK** Pink | **AY** Aero Yellow | **EG** Evergreen

LG Lime Green | **LB** Light Blue | **BY** Burgundy | **AK** Anodic Black | **AM** Anodic Malachite | **AZ** Anodic Bronze | **AS** Anodic Sapphire | **AN** Anodic Natural | **AC** Anodic Champagne

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

Spectrum Lighting

ILLUMINATING WHAT'S POSSIBLE.

83-90081_RA