12" OPAL ACRYLIC
WA SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

WA1212LX

APPLICATION
12" opal acrylic pendant for wide general illumination.

FEATURES
WA1212LX opal acrylic refractor glows evenly with no glare or hot spots. Ideal for libraries, churches, retail or any area where smooth, glare free illumination is required. 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. Motion, daylight and wireless controls available. 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. Lens is UV stabilized matte white 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.
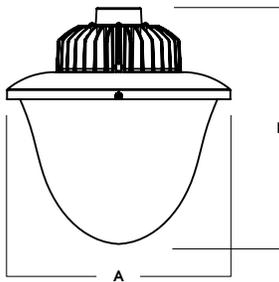
A	B
13.12 333.3 mm	13.9 353.1 mm

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
WA1212LX65L	6500	5969	56.3	106
WA1212LX100L	10000	8933	88.0	102

SERIES	LUMENS[1]		CCT		DRIVER / DIMMING[3]		OPTIONS[4]		MOUNTING[5]		REFRACTOR		FINISH[8]	
WA1212LX	65L	6500 Lm	27K	2700K	EX	Electronic Driver, 120V/277V	FS	Fusing	CP113[6]	Driver Housing	WA1315	Matte Opal Acrylic	MW[9]	Matte White
	100L	10000 Lm	30K	3000K			2CIR	2 Circuit	RM	Remote Driver			MB[9]	Matte Black
			35K	3500K	DS10X	10%, 0-10V, 120V/277V	SC2	Safety Cable, Lens to Fixture	HM[7]	Hang Straight			PT[9]	Platinum Silver
			40K	4000K					AT[7]	Hang Straight All Thread			CC	Custom Color
					DO10X	1%, 10-0V, 120V/277V			PM[7]	Rigid Pendant Mount				
					DO103	1%, 0-10V, 347V			CD[7]	Cord / Cable Mount				
									HC	Hook & Cord				
										EMERGENCY BATTERY OPTIONS			See Page 5 for Full Range of Color Options (83-90081)	
									EMRM	7W Remote EM				
									EMEN	7W Remote with Enclosure				

EXAMPLE: WA1212LX100L30KEX/CP113HM36/WA1315/MW

NOTES:
1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens at 35K with WA1315MW 3 Contact Factory for Additional Options 4 See Product Options Page for Details 5 See Mounting Page for Details on Components and Finishes 6 CP113 Required 7 Specify Length in Inches: See Mounting Page for Available Lengths 8 See Color Page for More Options / Consult Factory for Special Finishes 9 Standard Finishes

Spectrum Lighting

PROJECT:

QUANTITY:

TYPE:

ILLUMINATING WHAT'S POSSIBLE.

83-20036_RD

12" OPAL ACRYLIC
WA SERIES / FIXTURE OPTIONS

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER

MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT
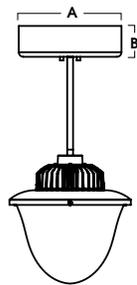
A	B
11.1	3.3
281.9 mm	84.8 mm

CD
CORD / CABLE MOUNT

A	B
11.1	3.3
281.9 mm	84.8 mm

HC
HOOK CORD

A
4.0
101.6 mm

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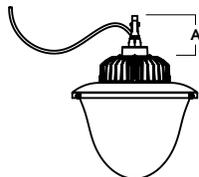
12" OPAL ACRYLIC

WA SERIES / PHOTOMETRIC DATA

WA1212LEDLX-100L-35K-E1-WA1315-MW

CANDLEPOWER CURVE

Delivered Lumens: 8,933
Luminaire Watts: 88
LER: 101.51

CP at 0deg (Nadir): 1,238
CRI: 80

INTENSITY

0.00°	1,238
20.00°	1,186
40.00°	1,165
60.00°	1,100
80.00°	924
90.00°	798
100.00°	659
110.00°	511
120.00°	368
140.00°	119
160.00°	0
180.00°	0

ZONAL LUMENS

0° - 10°	119	1%
0° - 20°	460	5%
0° - 30°	1,004	11%
0° - 40°	1,737	19%
0° - 60°	3,636	41%
0° - 80°	5,714	64%
0° - 90°	6,650	74%
Total	8,933	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor
8.0 '	19 fc
10.0 '	12 fc
12.0 '	9 fc
14.0 '	6 fc
16.0 '	5 fc
20.0 '	3 fc
24.0 '	2 fc
28.0 '	2 fc

Lamp Multiplier: 65L x 1, 100L x 1.49
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		RCR 3	
		FC [+]	W/Sq. Ft.	FC [+]	W/Sq. Ft.
17'	18' [*]	21	0.24	15	0.24
21'	22' [**]	16	0.18	8	0.13
25'	24' [***]	13	0.15	12	0.19
Delivered Illuminance Rating: (DIR)		87 FC per W/Sq. Ft.		63 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 9%
[**] Exceeds spacing criteria by -1%
[***] Exceeds spacing criteria by -15%

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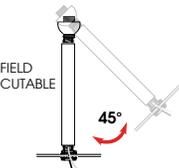
ORDER: **AT** (Length)
SPECIFY LENGTH:

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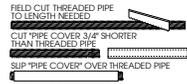
CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

**ADJUST
AND
LOCKS**

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

CD36 - 36"
CD72 - 72"
CD144 - 144"

CDLC(XX)
Custom Length
(Specify in Inches)

HC
HOOK & CORD
FOR INDEPENDENT MOUNTING

ORDER: **HC**

*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
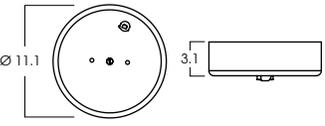
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY
(50' MAX)

B
A
C
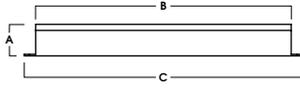
A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY
WITH ENCLOSURE (50' MAX)

B
A
C
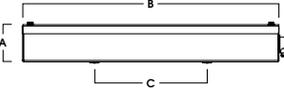
A	B	C
2.0	17.0	6.2

*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

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

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

TIER 2 - TYPICAL FINISHES

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

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

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

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

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ILLUMINATING WHAT'S POSSIBLE.

83-90081_RA