



12" Low/Mid/High Bay 8950 Lm

Opal Refractor



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

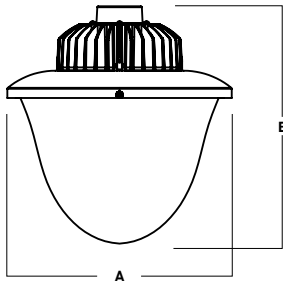
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning and CRI 80 minimum. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming devices. Motion, daylight and wireless controls available. LED module is 2 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	13.9
333.3 mm	353.1 mm

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
WA1212LX65L	5969	56.3	106
WA1212LX100L	8933	88.0	102

1 Nominal Delivered Lumens at 35K with WA1315MW

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	OPTIONS ³	MOUNTING ⁴	REFRACTOR	FINISH ⁵	MOUNTING OPTION ¹¹
WA1212LX	65L 6000 Lm	27K 2700K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DO10X 1%, 10-OV, 120V/277V DO10S 1%, 0-10V, 347V	FS Fusing 2CIR 2 Circuit SC2 Safety Cable, Lens to Fixture	CP113 ⁵ Driver Housing HM ⁶ Hang Straight PM ⁶ Rigid Pendant Mount CD ⁶ Cord / Cable Mount HC ^{6/7/8} Hook & Cord	WA1315 Matte Opal Acrylic	MW ¹⁰ Matte White MB ¹⁰ Matte Black PT ¹⁰ Platinum Silver CC Custom Color	FCHMA Field Cuttable Mounting Kit for Hang Mount Fixtures
	100L 8950 Lm	30K 3000K 35K 3500K 40K 4000K						

EXAMPLE: WA1212LX100L30KEX/CP113HM36/WA1315/MW

NOTES:
 1 Nominal Delivered Lumens at 35K with WA1315MW 2 Contact Factory for Additional Options 3 See Product Options Page for Details 4 See Mounting Page for Details on Components and Finishes 5 CP113 Required 6 Specify Length in Inches: See Mounting Page for Available Lengths 7 Mounting Supplied by Others 8 Not Available with EMC9 9 Reference Color Sheet Located on Product Webpage for Full List of Available Colors 10 Standard Finishes 11 Field Cuttable Mounting Kit only Available with HM Stem



PROJECT: _____
 QUANTITY: _____ TYPE: _____



12" OPAL ACRYLIC

WA SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

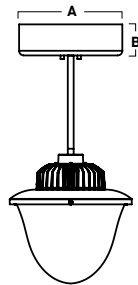


PT
PLATINUM SILVER



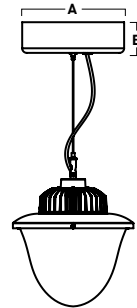
MOUNTING TYPES

HM / PM
HANG STRAIGHT / PENDANT



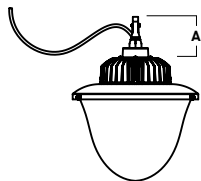
A	B
11.1	3.3
281.9 mm	84.8 mm

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



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

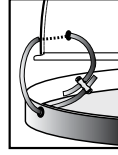
SC1 - Safety Cable

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.



SC2 - Safety Cable, Refractor to Door

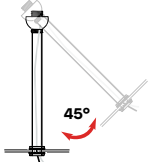
1/16" Stainless steel cable holds door to fixture



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"

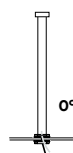
HMLC(XX)

Custom Length
(Specify in Inches)

TO TRIM HM STEM IN FIELD ORDER FCHMA KIT.

PM* - Ridgid 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



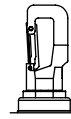
ORDER: **CD** (Length)
SPECIFY LENGTH:

CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(XX)

Custom Length
(Specify in Inches)

HC - Hook & Cord

FOR INDEPENDENT MOUNTING



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

HC36 - 36"
HC72 - 72"
HC144 - 144"
HCLC(XX)

Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72".

LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

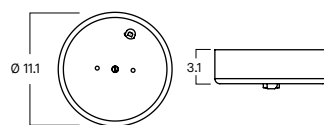
MOUNTING OPTION

FCHMA - Field Cuttable Mounting Kit For Hang Mount Fixtures



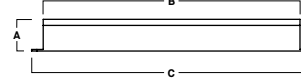
CEILING MOUNT CANOPY

CP113 - Driver Compartment with Leads (REQUIRED)



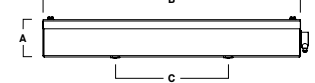
REMOTE EMERGENCY BATTERY OPTIONS

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

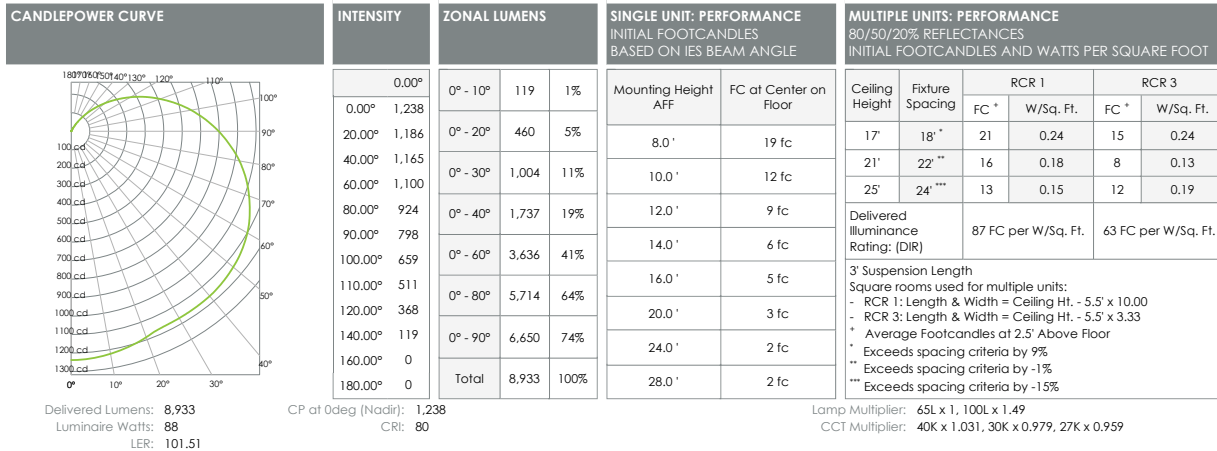


12" OPAL ACRYLIC

WA SERIES / PHOTOMETRIC DATA

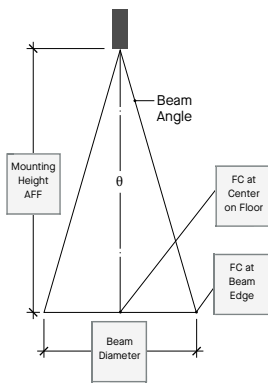


WA1212LEDLX-100L-35K-E1-WA1315-MW



HOW TO USE PERFORMANCE DATA

SINGLE UNIT



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.

$$FC_H = CP \times (\cos \theta) \div D^2$$

$$\text{Beam Diam.} = \frac{1}{2} \text{Beam Angle (Tan)} \times 2D$$

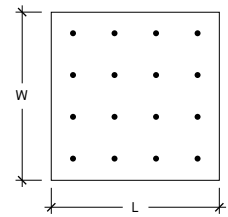
- CP Candela at 0° (Nadir)
- Cos θ Cosine of θ Angle
- D Distance (Mounting Height AFF)
- FC_H Footcandles, Horizontal
- Beam Angle Cone of light to 50% max. CP
- Beam Diam. Pattern of light at Beam Angle

MULTIPLE UNITS

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.

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.

- 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:
 $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$



- 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.:
 $W / \text{Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

