

# Mozart Lantern™

New Elegance in Area and Street Illumination  
State-Of-The-Art HID and LED Performance.



Patent No.: US D672,074 S



## Day

### Mozart Lantern™

The Mozart Lantern™ design is based on the concept that what is pleasant to the ear can also appear elegant to the eye. Many of the mathematical sequences in classical music were used in the proportions and aesthetic rhythm of the components; here, such harmony creates a lantern of exceptional beauty and grace. The Mozart Lantern™ will complement both traditional and neoclassical architecture, and can be further customized with a wide selection of arms, poles and bases from the Sun Valley collection.



## Night

### Mozart Lantern™

The Mozart Lantern™ includes cutoff optical systems for visual comfort and illuminates itself to maintain aesthetic elegance at night. The arms, hub and lower portion of the hood create a soft glow accented by shadows and graduated shading. HID lamp modes use full cutoff reflectors engineered for maximum pole spacing and superb uniformity. LED optical systems produce excellent pole spacing and superior uniformity for both security and substantial energy savings. Decorative enclosures that enhance the visual rhythm of the Mozart Lantern™ are also available.

### In Scene

Walkway Left:  
Mozart Mini  
10' Poles  
80VLED, Type II

Walkway Right:  
Mozart Mini  
10' Poles  
80VLED, Type V-SQ

Driveway Center:  
Mozart  
Twin Mount on  
14' Poles  
120VLED, Type V-SQ



# Fixture Configurations

1 Model: MOZ



**Clear Flat Glass Lens** - This design features excellent fixture brightness control for either **VLED** or HID optical systems. It provides sharp cutoff optics for dark sky or light trespass requirements.

See page 17 for ordering information.

2 Model: MOZ-WA



**White Enclosure** - Maximum daytime and nighttime fixture presence is created with the white enclosure. Use where a more traditional look is desired. Acrylic diffuser is standard.

See page 19 for ordering information.

## Available Optics

**VLED** Sun Valley Lighting's exclusive LED area lighting system available in Types II, III, IV and V-SQ light distributions.

See page 13.



**HID** Low profile segmented reflector modules available in Types II, III, IV and V-SQ light distributions.

See page 11.



## Available Optics

**LED Power Array™** Structured as a Vertical Power Array (VPA) with 360° omni spherical distribution. Produces an ultra-smooth Type V distribution.

See page 12.



**HID** Low profile segmented reflector modules available in Type V light distribution.

See page 11.



**3 Model: MOZ-CPA**



**Clear Patterned Enclosure** - Provides increased daytime and nighttime fixture presence, with precise optical control. This configuration allows for the use of specific distributions, visually softening them for reduced brightness and enhanced visual comfort. Acrylic enclosure is standard. See pages 11-22 for complete specifications, technical data and ordering information.

**Available Optics**

**LED Power Array™** Structured as an Angled Power Array (APA), this LED optic allows for the use of Type II, III, IV, and V-SQ distributions. The LED array and its driver are a self contained module. See page 12.



**HID** Low profile segmented reflector modules available in Type V light distribution. See page 11.



**Glass Refractor (LED or HID)** Prismatic refractor sits inside the fixture housing, and is available in Type III and V light distributions. Refractor accommodates both the LED Power Array, and HID lamps. See page 11.



# Architectural Compatibility

## Traditional

Mozart Lantern™ is traditional in design. Its classic shape is the perfect complement to period architecture whether old or new construction. As such, Mozart Lantern™ becomes harmonious with its architectural setting as a street lantern, or as a pedestrian scale area luminaire.

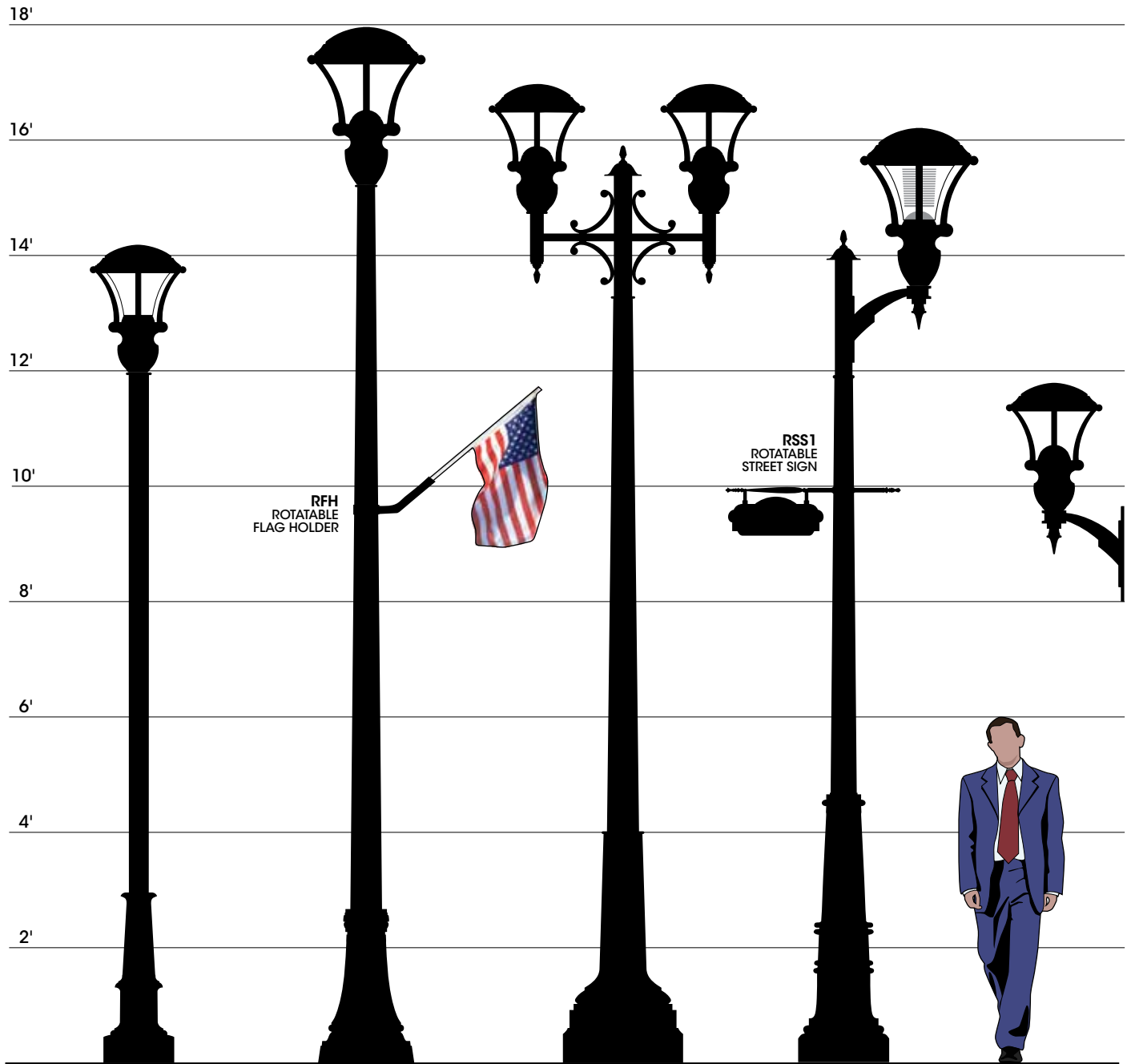


## Transitional

Traditional lantern designs are widely used in neoclassical or “transitional” architectural settings. This is because they are strongly pedestrian scaled, and add warmth to the outdoor environment. With Sun Valley Lighting’s selection of poles, arms, and bases with less detail, the Mozart Lantern™ becomes the ideal neoclassical luminaire.



# Suggested Combinations



<b>Fixture</b>	MOZM-WA	MOZ	MOZM	MOZ-CPA-GRV	MOZM
<b>Arm</b>	-	-	XAE-2-180	XAZ-1	XAZ-WM
<b>Pole</b>	1060 4" Dia. Fluted, Straight, Extruded Alum.	1058C 7" to 4" Dia. Fluted, Tapered, Cast Alum.	1050C 7.5" to 4" Dia. Fluted, Tapered, Cast Alum.	1046T 6" to 4" Dia. Smooth, Tapered, Spun Alum.	-
<b>Base</b>	400	4400	2900	3600	-

SCALE: 3/8" = 1'-0"



# Suggested Combinations



Fixture	MOZM	MOZM-WA	MOZM	MOZ-CPA-APA
Arm	XAM-2-180	XBA-2-180	XBJ-1	XAB-1
Pole	1030C 5.25" to 3.5" Dia. Fluted, Tapered, Cast Alum.	1050C 7.5" to 4" Dia. Fluted, Tapered, Cast Alum.	1040 4" Dia. Smooth, Straight, Extruded Alum.	1070 5" Dia. Fluted, Straight, Extruded Alum.
Base	1300	2800	700	4400

SCALE: 3/8" = 1'-0"

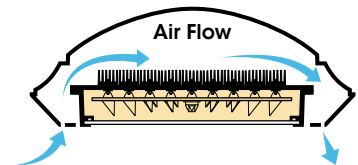
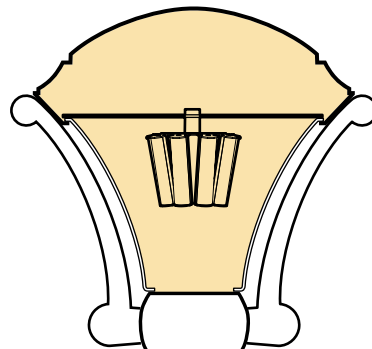
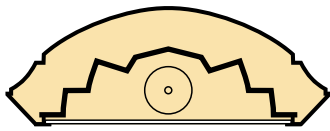
# Engineering Features

## Robust Components

The Mozart housing components are constructed of precise durable, corrosion resistant low copper aluminum castings with 1/4" minimum wall thickness. Prior to finishing, all castings are sand blasted and pre-treated to create a uniform clean surface for paint adhesion. A White Acrylic Diffuser (WA) and Clear Patterned Acrylic Enclosure (CPA) enhance the Mozart aesthetic and optional performance capabilities. Each Enclosure is fully gasketed against the Crown and Base Fitter.



Note:  Sealed Chamber



## HID Optics

All HID reflectors are unitized assemblies. The entire fixture housing is sealed by the lens frame and gasket, thus making the optical system impervious to moisture and airborne contaminants. The reflectors are available in Type II, III, IV and V-SQ light distributions and are rotatable in 90 deg. increments for field orientation.

See page 11

## LED Power Array™ Optics

This vertical array is a fully self contained module located inside the sealed fixture enclosure. Available in Type II, III, IV and V light distributions.

See page 12.

## VLED® Optics

Because thermal control is so critical to LED life expectancy and lumen output, VLED® Optical Modules are sealed units that "float" within the housing. This allows natural air flow to enter the housing and flow around the entire LED Module.

See page 13

## Unitized Electrical Module

All electrical components are mounted on a plate, making initial installation and future servicing quick and simple. If desired, extra electrical modules can be kept on hand allowing immediate field replacement and eliminates down time, while the old modules are repaired in the service area for future use.



HID Ballast



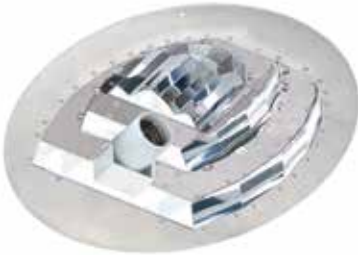
LED Power Array™ and VLED® Driver



Electrical Compartment  
Cover is cast aluminum  
construction.



# HID Optics



HID reflectors are fabricated from pre-finished 95% reflectance. Multiple vertical staging reduces the overall reflector height allowing it to fit within the low profile fixture housing.

## MOZ



## Mogul Base

**E Lamp**  
 250PSMH 250HPS  
 200PSMH 200HPS

Refer to Mozart - HID Spec Sheets for Lamp/Electrical Data

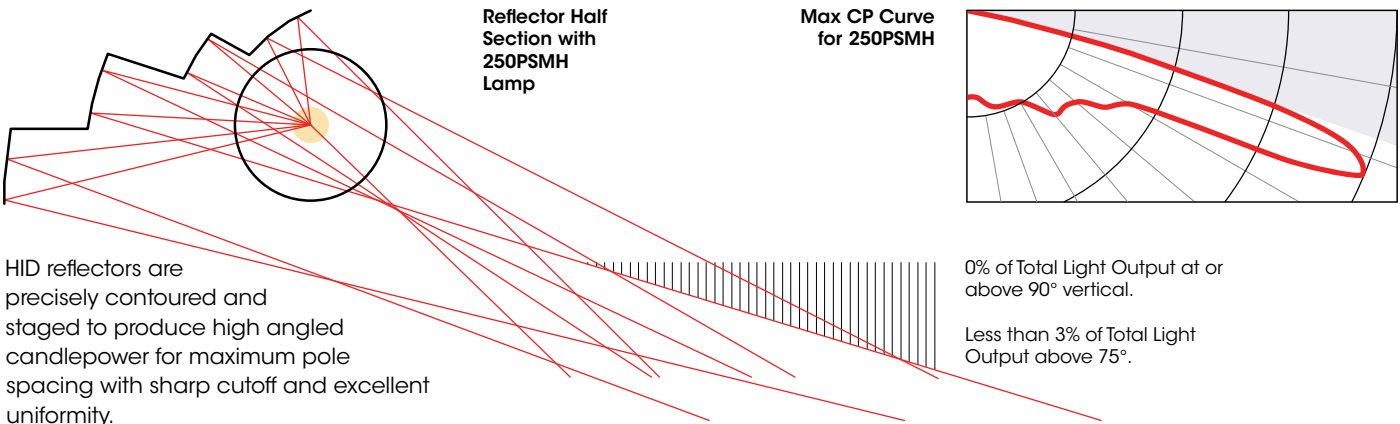
## MOZM



## Medium Base

**E Lamp**  
 150PSMH 150HPS  
 100PSMH 100HPS  
 70PSMH 70HPS

Refer to Mozart - HID Spec Sheets for Lamp/Electrical Data

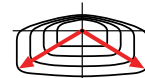


HID reflectors are precisely contoured and staged to produce high angled candlepower for maximum pole spacing with sharp cutoff and excellent uniformity.

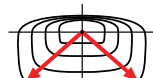


Mozart HID cutoff Optical Systems satisfy dark sky requirements. As such, they eliminate wasted upward light (energy), enhance visibility for safety and security, and contribute to a growing movement to bring back the star filled night sky.

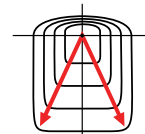
Standard IES light distributions are available to satisfy project requirements for illumination coverage with the least number of poles.



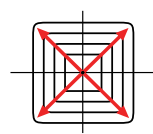
Type II



Type III



Type IV

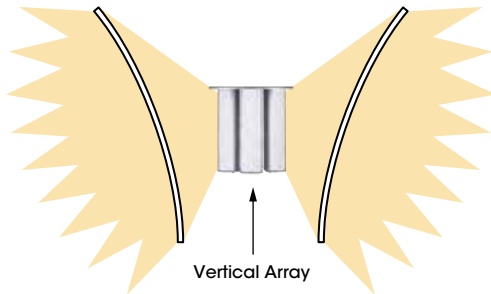


Type V-SQ

# LED Power Array™ Optics

Patent Pending See LED Power Array™ Catalog for a complete presentation on this LED System.

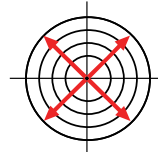
Smooth White Acrylic Diffusing Enclosure



Vertical Array

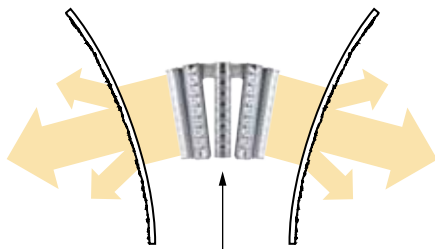
Vertical Power Array With White Enclosure

The Vertical Power Array in this configuration replaces a standard lamp source. The 360° omni spherical output of the Vertical Power Array provides even light across the White Enclosure.



Type V

Clear Patterned Acrylic Enclosure



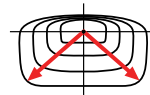
Angled Array

Angled Power Array With Clear Patterned Enclosure

Optical control in this configuration is provided by the Angled Power Array. The LED modules with precision performance Micro-Reflectors and diffuse lenses are aligned to produce IES type distributions (II, III, IV, and V-Sq). The Angled Power Array is designed to work in conjunction with the patterned enclosure to increase visual acuity.



Type II



Type III

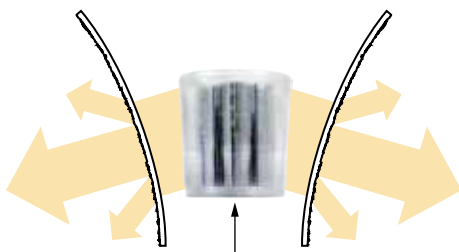


Type IV



Type V

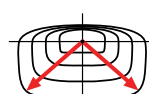
Clear Patterned Acrylic Enclosure



Vertical Array inside Prismatic Glass Refractor

Vertical Power Array Inside Prismatic Glass Refractor With Clear Patterned Enclosure

The Vertical Power Array in this configuration replaces a standard lamp source and provides a radially uniform light pattern with the internal Prismatic Glass Refractor. Optical control is provided by the internal refractor. The patterned enclosure adds another layer of glare control to the configuration and increases visual acuity.



Type III



Type V

# ✓LED<sup>®</sup> Optics

Patent Pending See ✓LED<sup>®</sup> Catalog for a complete presentation on the ✓LED<sup>®</sup> System.



The ✓LED<sup>®</sup> Optical Module is a self-contained module completely sealed from the elements to meet an IP67 rating. Consisting of a precision cast aluminum housing machined to a flatness of <.003" over 12" with integrated heat sinks. A tempered glass lens with an anti-reflective coating to allow 9% - 12% greater transmission and keep contaminants from depreciating the optical components' performance seals the assembly.

## MOZ



## MAX INPUT WATTS/HID EQUIVALENTS

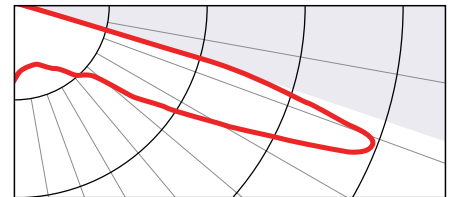
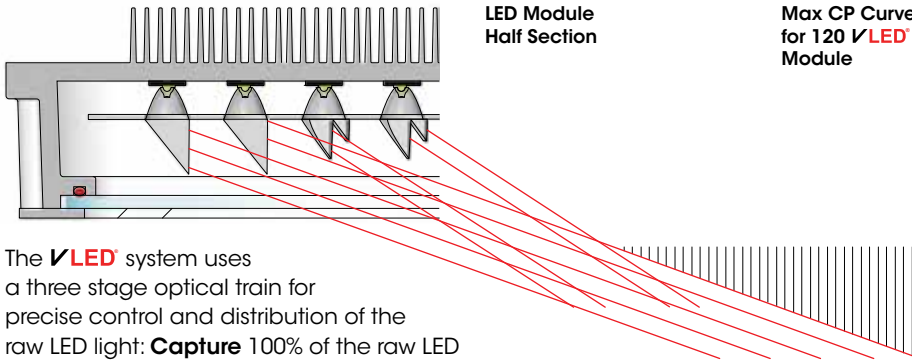
# OF LED's	DRIVE CURRENT	SYSTEM WATTS	HID EQUIV	APPROX. LUMENS - 4,000
64	350mA	70	100w	5,577
	525mA	108	150 - 175w	7,825
	700mA	134	175 - 200w	10,166
80	350mA	85	150w	7,292
	525mA	130	175 - 200w	10,219
100	350mA	109	175w	9,061
	350mA	130	200 - 250w	10,873

## MOZM



## MAX INPUT WATTS/HID EQUIVALENTS

# OF LED's	DRIVE CURRENT	SYSTEM WATTS	HID EQUIV	APPROX. LUMENS - 4,000
48	350mA	55	70 - 100w	4,501
	525mA	79	100w	6,214
	700mA	109	150 - 175w	7,823
64	350mA	70	100w	5,577
	525mA	108	150 - 175w	7,825
	700mA	134	175 - 200w	10,166
80	350mA	85	150w	7,292
	525mA	130	175 - 200w	10,219



The ✓LED<sup>®</sup> system uses a three stage optical train for precise control and distribution of the raw LED light: **Capture** 100% of the raw LED light; **Collimate** all of the light downward; and **Vector** the light outward to the area to be illuminated.

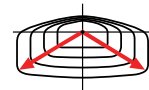
0% of Total Light Output occurs at or above 90° vertical.

Less than 4% of Total Light Output occurs above 75°.

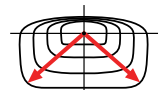


The ✓LED<sup>®</sup> optical system satisfies dark sky requirements. Uniformity of illumination is superior with the ✓LED<sup>®</sup> system due to its precise optics.

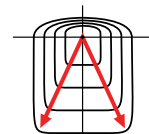
Type II, III, IV and VSq. standard IES light distributions are available with the LED or HID optical system.



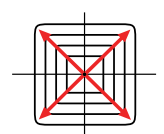
Type II



Type III



Type IV



Type V-Sq

# Specifications

## All Models

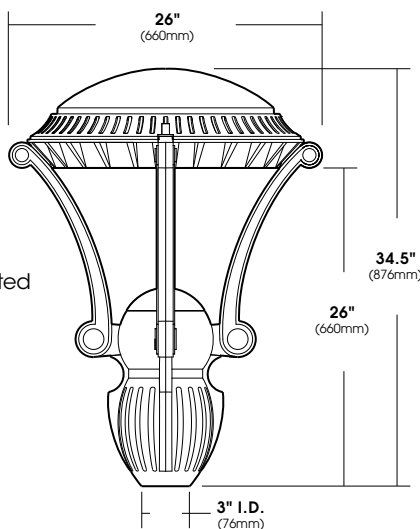
**Fixture Housing** - One piece unitized precise heavy wall cast aluminum construction comprised of low copper (A356 alloy; <0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket.

**Finish** - Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

## Dimensions

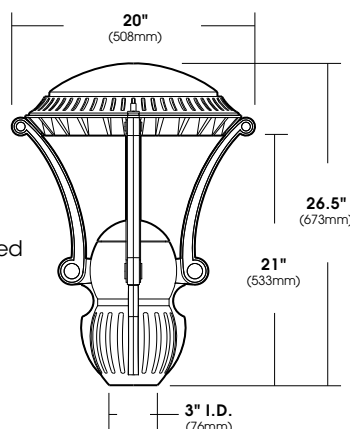
### MOZ

**Mozart**  
150-250W HID  
48/64/80/100/120 VLED  
350mA/525mA/700mA limited  
EPA: 2.30  
Max. Wt: 61lbs



### MOZM

**Mozart Mini**  
70-150W HID  
48/64/80 VLED  
350mA/525mA/700mA limited  
EPA: 1.49  
Max. Wt: 42lbs



SCALE: 3/4" = 1'-0"

## HID

### Horizontal Lamp Optical System

**Lens** - Clear 3/16" thick tempered flat glass lens. Lens is gasketed around the perimeter and retained by stainless steel clips.

**Reflector Module** - One piece specular Alzak® optical reflector segments rigidly mounts to an aluminum frame and attaches to the housing. Reflector module is field rotatable in 90° increments. Sockets are porcelain 4KV pulse rated, mogul (MOZ) or medium base (MOZM). Reflector modules are factory prewired with quick-disconnect plug.

### Vertical Lamp Optical Systems

**Diffuser** - Opal White Acrylic (WA) is standard. Diffuser is gasketed at the Crown and Base Fitter with closed cell silicone gasket.

**Enclosure** - Clear Patterned Acrylic (CPA) is standard. Enclosure is gasketed at the Crown and Base Fitter with closed cell silicone gasket.

### Reflector/Refractor Module (CPA only)

**Refractor** - Borosilicate glass refractor produces either a symmetric (Type V) or asymmetric (Type II) distribution pattern. Sockets are porcelain 4KV pulse rated, mogul (MOZ) or medium base (MOZM).

**Internal Louver** - Stacked specular (bright dipped anodized) louver reflector produces a symmetric (Type V) distribution pattern. Sockets are porcelain 4KV pulse rated, mogul (MOZ) or medium base (MOZM).

**Twin Reflector** - One-piece specular upper reflector combines with clear specular lower distributing reflector to produce a symmetric (Type V) light distribution. Sockets are porcelain 4KV pulse rated, mogul (MOZ) or medium base (MOZM).

**Electrical Module** - All electrical components are UL and cUL recognized are mounted on a single plate and factory prewired with quick-disconnect plugs. Standard electronic MH ballasts have power factor of >.95 (70W - 150W) -20°F starting, 120-277V or >.90 (250W), -20°F starting, 200-277V, 50Hz/60Hz and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Electronic MH ballast has a power factor of >.90 (210W), -4°F starting, 200 - 277V, 50Hz/60Hz and has lamp End-of-life protection. Magnetic MH ballasts are high power factor (70W - 150W) or CWA (250W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (70W - 150W) or CWA (200W - 250W), -40°F starting.

## LED Power Array™

**Fixture Housing** - One piece unitized precise heavy wall cast aluminum construction comprised of low copper (< 0.2% Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a tool-less stainless steel latch 180° opposite the hinge. Housing and Hood is sealed with an extruded closed cell silicone gasket. White Acrylic enclosure (-**WA model**) or Clear Patterned Acrylic enclosure (-**CPA model**) is gasketed at the fixture Mounting Hub and crown with an extruded closed cell silicone gasket. Driver/wiring access is inside the enclosure and accesses through the top of the Mounting Hub. Hub accommodates a 2½" x 3" tenon. All exposed hardware is stainless steel.

**General Power Array Specifications** - Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. A diffuse acrylic lens and end cap protects each LED Tube's internal components.

### Angled Power Array™ for CPA model

Micro-Reflectors mounted around each LED control the raw emitter output. LED Tubes are rotated on their vertical axis, angled on their horizontal axis, and arrayed to produce highly efficient IES Distribution Types II, III, IV and V. Used in conjunction with a clear patterned acrylic enclosure.

### Vertical Power Array™ with Refractor for CPA model

LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with prismatic glass refractor to produce symmetric or asymmetric distributions and surrounded by a Clear Patterned Acrylic enclosure.

### Vertical Power Array™ for WA model

LED Tubes are aligned vertically and equally arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with a smooth, white, acrylic diffusing enclosure.

## VLED®

**VLED® Optical Module** - Low copper A356 alloy (< 0.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens with embedded anti-reflective coating seals to the module housing with a continuous silicone gasket protecting emitters (LED's) and emitter Reflector-Prism optics and prevents intrusion by water and environmental contaminants. Reflector-Prisms are injection molded from H12 acrylic. Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates a Reflector-Prism over each emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

### Optional Enclosure

**Clear Patterned Acrylic Enclosure** - Enclosure is gasketed at the Crown and Fitter with a closed cell silicone gasket.

**LED Emitters** - High output LED's are utilized with drive currents ranging from 350mA to 700mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

**LED Driver** - UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277, 50/60hz, or 347-480V 50/60hz and utilizes 0-10v dimming. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Surge protector supplied for field installation at the most conveniently serviceable location.

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Please refer to the Mozart Series Specifications Sheets for Lamp/LED and Electrical Data.

Mozart Series - **LED**

Mozart Series - **HID**





# Elegance in Illumination State-Of-The-Art Performance



# MOZ Ordering Information



Configuration 1  
Clear Flat Glass Lens

## Optic

Horizontal Lamp



Segmented Reflector  
HR

## HID

Spec/Order Example: MOZM/HR-III/150PSMH120/1/RAL7004-T

MODEL	OPTICS	LAMP/BALLAST MODE			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> MOZ	<b>HORIZONTAL SEGMENTED REFLECTOR</b>  <input type="checkbox"/> TYPE I I <b>HR - II</b> .....  <input type="checkbox"/> TYPE I I I <b>HR - III</b> .....  <input type="checkbox"/> TYPE I V <b>HR - IV</b> ..... <small>(MOZM ONLY)</small>  <input type="checkbox"/> TYPE I V WIDE <b>HR - IV - W</b> ..... <small>(MOZ ONLY)</small>  <input type="checkbox"/> FORWARD THROW <small>(HOUSE SIDE CUT-OFF)</small> <b>HR-FT-HSC</b> .....  <input type="checkbox"/> TYPE V <b>HR-V-SQ</b> .....	<b>WATTS</b>  <input type="checkbox"/> 250 <input type="checkbox"/> 200 <input type="checkbox"/> 175 <sup>1</sup> <input type="checkbox"/> 150 <sup>2</sup>  <input type="checkbox"/> 150	<b>TYPE</b>  <b>MOZ</b>  <b>MOGUL BASE</b> <input type="checkbox"/> PSMH <input type="checkbox"/> HPS  <b>MEDIUM BASE</b> <input type="checkbox"/> PSMH  <b>PGZ18 BASE</b> <small>(optional)</small> <input type="checkbox"/> CDM	<b>VOLTS</b>  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277	<b>ARM MOUNT</b>  <input type="checkbox"/> 1 .....  <input type="checkbox"/> 2-180 .....  <input type="checkbox"/> 2-90 .....  <input type="checkbox"/> 3-90 .....  <input type="checkbox"/> 3-120 .....  <input type="checkbox"/> 4-90 .....  <b>WALL MOUNT</b>  <input type="checkbox"/> WM .....  <b>POST TOP</b>  <input type="checkbox"/> PT .....	<b>STANDARD TEXTURED FINISH</b>  <input type="checkbox"/> BLACK <b>RAL-9005-T</b>  <input type="checkbox"/> WHITE <b>RAL-9003-T</b>  <input type="checkbox"/> GREY <b>RAL-7004-T</b>  <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b>  <input type="checkbox"/> GREEN <b>RAL-6005-T</b>  FOR SMOOTH REPLACE REMOVE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)  SEE USALTG.COM FOR ADDITIONAL COLOR	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD ..... <b>HS</b>  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>PC+V</b>  <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>TPC+V</b>  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... <b>TPR</b>  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>
<input type="checkbox"/> MOZM		<b>MOZM</b>  <b>MEDIUM BASE</b> <input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> 70  <input type="checkbox"/> 150T <input type="checkbox"/> 70T	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS  <input type="checkbox"/> CDM  <b>G BASE</b> <small>(optional)</small> <input type="checkbox"/> CDM	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347			

1 - 175W, PSMH ONLY  
2 - 150W, HPS ONLY

# MOZ-LED Ordering Information



Configuration 1  
Clear Flat Glass Lens

## Optic













Enclosed Module



LED MODULE  
 LED

## LED

Spec/Order Example: MOZ-LED/VLED-III/64LED-700mA/NW/277/PT/RAL-9003-S/HS-VLED

MODEL	OPTICS	LED MODE	MOUNTING	FINISH	OPTIONS	
<input type="checkbox"/> MOZ-LED	<input checked="" type="checkbox"/> <b>VLED</b> <input type="checkbox"/> TYPE II VLED - II  <input type="checkbox"/> TYPE III VLED - III  <input type="checkbox"/> TYPE IV VLED - IV  <hr/> <input type="checkbox"/> TYPE V VLED-V-SQ 	<b>MOZ</b> <input type="checkbox"/> 120LED <input type="checkbox"/> 100LED <input type="checkbox"/> 80LED <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED  <b>MOZM</b> <input type="checkbox"/> 80LED <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED	DRIVE CURRENT <input type="checkbox"/> 350mA <input type="checkbox"/> 525mA <sup>1</sup> <input type="checkbox"/> 700mA <sup>2</sup>  COLOR TEMP-CCT <input type="checkbox"/> NW (4000K) *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) OTHER LED COLORS AVAILABLE CONSULT FACTORY  VOLTAGE <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	ARM MOUNT <input type="checkbox"/> 1  <input type="checkbox"/> 2-180  <input type="checkbox"/> 2-90  <input type="checkbox"/> 3-90  <input type="checkbox"/> 3-120  <input type="checkbox"/> 4-90  WALL MOUNT <input type="checkbox"/> WM  POST TOP <input type="checkbox"/> PT 	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T FOR SMOOTH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)	<input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41).....TPR7 <input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS...HS-VLED <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR.....HLSW <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)...PC+V <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)...TPC+V <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY...TPR  SEE USALTG.COM FOR ADDITIONAL COLOR CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)

# MOZ-WA Ordering Information



**Configuration 2**  
Opal Smooth  
Acrylic Diffuser

## Optic

Horizontal Lamp



Segmented Reflector  
HR

## HID

Spec/Order Example: MOZ-WA/HR-V/250PSMH240/PT/RAL9003

MODEL	OPTICS	LAMP/BALLAST MODE			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> MOZ-WA	HORIZONTAL SEGMENTED REFLECTOR <input type="checkbox"/> TYPE V HR - V .....	<b>WATTS</b> <input type="checkbox"/> 250 <input type="checkbox"/> 200 <input type="checkbox"/> 175 <sup>1</sup> <input type="checkbox"/> 150 <sup>2</sup>	<b>TYPE</b> MOZ-WA MOGUL BASE <input type="checkbox"/> PSMH <input type="checkbox"/> HPS  MEDIUM BASE <input type="checkbox"/> PSMH  PGZ18 BASE (optional) <input type="checkbox"/> CDM	<b>VOLTS</b> <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<b>ARM MOUNT</b> <input type="checkbox"/> 1 ..... <input type="checkbox"/> 2-180 ..... <input type="checkbox"/> 2-90 ..... <input type="checkbox"/> 3-90 ..... <input type="checkbox"/> 3-120 ..... <input type="checkbox"/> 4-90 .....	<b>STANDARD TEXTURED FINISH</b> <input type="checkbox"/> BLACK <b>RAL-9005-T</b>  <input type="checkbox"/> WHITE <b>RAL-9003-T</b>  <input type="checkbox"/> GREY <b>RAL-7004-T</b>  <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b>  <input type="checkbox"/> GREEN <b>RAL-6005-T</b>	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>PC+V</b>  <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>TPC+V</b>  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... <b>TPR</b>  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>  <input type="checkbox"/> OPAL SMOOTH POLYCARBONATE DIFFUSER ..... <b>WP</b>
		<input type="checkbox"/> 150 <input type="checkbox"/> 210T	<b>MOZM-WA</b> MEDIUM BASE <input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> 70  G BASE (optional) <input type="checkbox"/> 150T <input type="checkbox"/> 70T	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<b>WALL MOUNT</b> <input type="checkbox"/> WM .....	FOR SMOOTH REPLACE REMOVE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)	
<input type="checkbox"/> MOZM-WA				<b>POST TOP</b> <input type="checkbox"/> PT .....	SEE USALTG.COM FOR ADDITIONAL COLOR		

1 - 175W. PSMH ONLY  
2 - 150W. HPS ONLY

# MOZ-WA-LED Ordering Information



**Configuration 2**  
Opal Smooth Acrylic  
Diffuser

## Optics










LED Power Array™



Vertical Power Array  
VPA

## LED

Spec/Order Example: MOZM-WA-LED/VPA-SYM/36LED-525mA/WW/277/PT/RAL-9005-T

MODEL	OPTICS	LED MODE	MOUNTING	FINISH	OPTIONS		
<input type="checkbox"/> MOZ-WA-LED	VERTICAL POWER ARRAY <input type="checkbox"/> SYMMETRIC TYPE V VPA - SYM. . . . . 	# of LED's <b>MOZ-WA</b> <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED <input type="checkbox"/> 32LED	DRIVE CURRENT <input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	COLOR TEMP-CCT <input type="checkbox"/> NW (4000K) <small>*STANDARD</small> <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) <small>OTHER LED COLORS AVAILABLE CONSULT FACTORY</small>	ARM MOUNT <input type="checkbox"/> 1 . . . . .  <input type="checkbox"/> 2-180 . . . . .  <input type="checkbox"/> 2-90 . . . . .  <input type="checkbox"/> 3-90 . . . . .  <input type="checkbox"/> 3-120 . . . . .  <input type="checkbox"/> 4-90 . . . . .  WALL MOUNT <input type="checkbox"/> WM . . . . .  POST TOP <input type="checkbox"/> PT . . . . . 	STANDARD TEXTURED FINISH <input type="checkbox"/> BLACK <b>RAL-9005-T</b> <input type="checkbox"/> WHITE <b>RAL-9003-T</b> <input type="checkbox"/> GREY <b>RAL-7004-T</b> <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b> <input type="checkbox"/> GREEN <b>RAL-6005-T</b> FOR SMOOTH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) <small>SEE USALTG.COM FOR ADDITIONAL COLOR</small>	<input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) . . . . . <b>TPR7</b> <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) . . . . . <b>HS</b> <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b> <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . . <b>PC+V</b> <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . . <b>TPC+V</b> <input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY . . . . . <b>TPR</b> <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b> <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>  <small>CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)</small>
<input type="checkbox"/> MOZM-WA-LED		<b>MOZM-WA</b> <input type="checkbox"/> 48LED <input type="checkbox"/> 36LED <input type="checkbox"/> 24LED	VOLTAGE <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480				

# MOZ-CPA Ordering Information



**Configuration 3**  
Clear Patterned Acrylic  
Diffuser

## Optics

### Horizontal Lamp



Segmented Reflector  
HR

### Vertical Lamp



Glass Refractor  
PG

## HID

Spec/Order Example: MOZM-CPA/PG-II/150PSMH120/WM/RAL6005-T/TPC+V

MODEL	OPTICS	LAMP/BALLAST MODE			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> MOZ-CPA	<b>HORIZONTAL SEGMENTED REFLECTOR</b>  <input type="checkbox"/> TYPE I I <b>HR - II</b> .....  <input type="checkbox"/> TYPE I I I <b>HR - III</b> .....  <input type="checkbox"/> TYPE I V <b>HR - I V</b> ..... (MOZ ONLY)  <input type="checkbox"/> TPYE I V WIDE <b>HR - I V - W</b> ..... (MOZ ONLY)  <input type="checkbox"/> FORWARD THROW (HOUSE SIDE CUT-OFF) <b>HR-FT-HSC</b> .....	<b>WATTS</b> <input type="checkbox"/> 250 <input type="checkbox"/> 200 <input type="checkbox"/> 175 <sup>1</sup> <input type="checkbox"/> 150 <sup>2</sup>  <input type="checkbox"/> 150	<b>TYPE</b> <b>MOZ-CPA</b> MOGUL BASE <input type="checkbox"/> PSMH <input type="checkbox"/> HPS  MEDIUM BASE <input type="checkbox"/> PSMH  PGZ18 BASE (optional) <input type="checkbox"/> CDM	<b>VOLTS</b> <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277	<b>ARM MOUNT</b> <input type="checkbox"/> 1 .....  <input type="checkbox"/> 2-180 .....  <input type="checkbox"/> 2-90 .....  <input type="checkbox"/> 3-90 .....  <input type="checkbox"/> 3-120 .....  <input type="checkbox"/> 4-90 .....  <b>WALL MOUNT</b> <input type="checkbox"/> WM .....	<b>STANDARD TEXTURED FINISH</b> <input type="checkbox"/> BLACK <b>RAL-9005-T</b>  <input type="checkbox"/> WHITE <b>RAL-9003-T</b>  <input type="checkbox"/> GREY <b>RAL-7004-T</b>  <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b>  <input type="checkbox"/> GREEN <b>RAL-6005-T</b>  FOR SMOOTH REPLACE REMOVE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)  SEE USALTG.COM FOR ADDITIONAL COLOR	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD (HR, PG & IL ONLY) ..... <b>HS</b>  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>PC+V</b>  <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... <b>TPC+V</b>  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... <b>TPR</b>  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>  <input type="checkbox"/> CLEAR PATTERNED POLYCARBONATE DIFFUSER ..... <b>CPP</b>
<input type="checkbox"/> MOZM-CPA	<b>GLASS REFRACTOR</b>  <input type="checkbox"/> TYPE I I I <b>PG - III</b> .....  <input type="checkbox"/> TYPE V <b>PG-V</b> .....	<input type="checkbox"/> 150 <input type="checkbox"/> 100 <input type="checkbox"/> 70  <input type="checkbox"/> 150T <input type="checkbox"/> 70T	<b>MOZM-CPA</b> MEDIUM BASE <input type="checkbox"/> PSMH <input type="checkbox"/> HPS  G BASE (optional) <input type="checkbox"/> CDM	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347  <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347	<b>POST TOP</b> <input type="checkbox"/> PT .....		

1 - 175W. PSMH ONLY  
2 - 150W. HPS ONLY

# MOZ-CPA-LED Ordering Information



**Configuration 3**  
Clear Patterned Acrylic  
Diffuser

## Optics

### LED Power Array™



Angled Power Array  
**APA**



Glass Refractor w/  
Vertical Power Array  
**GRV**

## LED

Spec/Order Example: MOZM-CPA-LED/GRV-III/48LED-525mA/WW/120/PT/RAL-9005

MODEL	OPTICS	LED MODE	MOUNTING	FINISH	OPTIONS		
	<b>ANGLED POWER ARRAY</b>	<b># of LED's</b>	<b>DRIVE CURRENT</b>	<b>COLOR TEMP-CCT</b>	<b>ARM MOUNT</b>	<b>STANDARD TEXTURED FINISH</b>	
<input type="checkbox"/> MOZ-CPA-LED	<input type="checkbox"/> TYPE II <b>APA - II</b> .....	<b>MOZ-CPA APA MODELS</b> <input type="checkbox"/> 80LED <input type="checkbox"/> 60LED <input type="checkbox"/> 40LED	<input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	<input type="checkbox"/> <b>NW (4000K)</b> *STANDARD <input type="checkbox"/> <b>CW (5000K)</b> <input type="checkbox"/> <b>WW (3000K)</b> OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 1 ..... <input type="checkbox"/> 2-180 ..... <input type="checkbox"/> 2-90 ..... <input type="checkbox"/> 3-90 ..... <input type="checkbox"/> 3-120 ..... <input type="checkbox"/> 4-90 .....	<input type="checkbox"/> <b>BLACK RAL-9005-T</b> <input type="checkbox"/> <b>WHITE RAL-9003-T</b> <input type="checkbox"/> <b>GREY RAL-7004-T</b> <input type="checkbox"/> <b>DARK BRONZE RAL-8019-T</b> <input type="checkbox"/> <b>GREEN RAL-6005-T</b>	<input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) ..... <b>TPR7</b> <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) ..... <b>HS</b> <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... <b>HLSW</b> <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... <b>PC+V</b> <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... <b>TPC+V</b> <input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY ... <b>TPR</b> <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b> <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>
	<b>GLASS REFRACTOR</b>	<b>MOZM-CPA APA MODELS</b>	<b>VOLTAGE</b>		<b>WALL MOUNT</b>		
<input type="checkbox"/> MOZM-CPA-LED	<input type="checkbox"/> TYPE III <b>GRV - III</b> .....	<input type="checkbox"/> 48LED <input type="checkbox"/> 32LED	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480		<input type="checkbox"/> WM .....	FOR SMOOTH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)	
		<b>GRV MODELS</b>			<b>POST TOP</b>		
	<input type="checkbox"/> TYPE V <b>GRV - V</b> .....	<input type="checkbox"/> 36LED <input type="checkbox"/> 24LED			<input type="checkbox"/> PT .....	SEE USALTG.COM FOR ADDITIONAL COLOR	

CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)

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