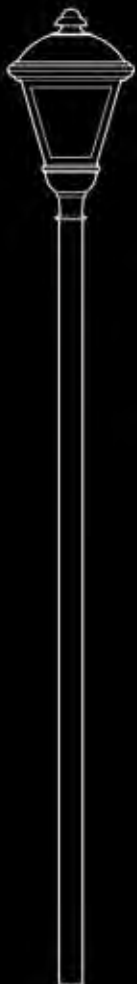


# Colonial Lantern™

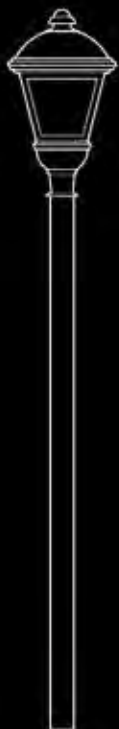


An Architecturally Scaled Family of Traditional Luminaires

MADE IN THE  
**USA**



Area / Roadway



Area / Pedestrian



Pedestrian / Path



Wall



**SUN VALLEY**  
LIGHTING

### 3 Fixture Sizes

#### Area

4 sided lanterns are a traditional look throughout Europe and the Americas. Combine this classic elegance with contemporary optics and the result is the Colonial Lantern. The largest model is ideal for site/area illumination providing the perfect balance of proportion and performance.

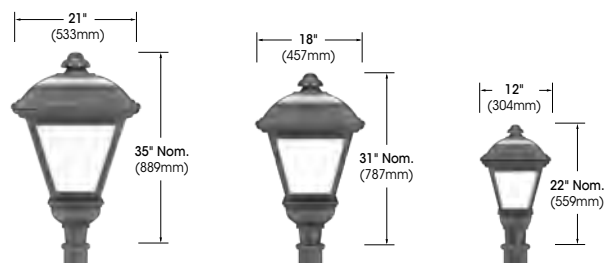


#### Roadway

From the golden glow of high pressure sodium to the full spectrum white of pulse start metal halide or the energy savings of LED's, the Colonial Lantern envelops low brightness optics and uniform illumination with a look perfect for retaining the heritage of downtown streetscapes or historic communities.



Scaled for  
the Application



## Pedestrian

The Colonial Lantern's dignified appearance becomes even more defined as mounting heights reduce to human scale. Colonial produces glare-free illumination through to its wide variety of lamp sources and optics while conforming to the aesthetic and illumination requirements of any public space.



## Path and Wall

The Colonial Lantern imparts a traditional elegance in each of its sizes. Wall mounted or Post top mounted up to 10' or used as a bollard, the detailing is evident and compliments performance. Open frame cut-off or decorative side panels work with the aesthetic of the Colonial Lantern to produce true architectural illumination.



**Controlled Technology** - The past few years has brought tremendous advances in illumination sources. Pulse-start and ceramic arc tube metal halide lamps produce the same light levels as before while consuming 20 - 25% less energy. Modern bulb configurations combine with optical systems to produce new levels of efficiency and precision. Add to this the proliferation of LED's in outdoor lighting realizing power reductions of up to 50% while retaining minimum light levels and improved uniformity. Improvements in color temperatures allow lighting schemes that blend sources for service and security concerns. Finally, the development of electronic drivers (LED) and e-ballasts (HID) provide flexibility in controlling light levels that were impossible in the past. Adjusting levels based on occupancy and activity, time-of-day and time-of-year, or other factor are achievable with these new technologies. All of this is included throughout the breadth of the Colonial family of luminaires.



# Fixture Configurations

1 Model: COL



**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: COL-WA



**Opal White Diffuser** - Maximum daytime and nighttime fixture presence is created with the opal white diffuser. 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 VSq light distributions.

See page 11.



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

See page 9.



## Available Optics

**LED Power Array™** Sun Valley's exclusive LED system for traditional luminaires. Available in Type V light distribution.

See page 10.



**HID** Bare lamp optics, vertical base down orientation, available in Type V light distribution.

See page 9.



### 3 Model: COL-CPA



**Clear Patterned Enclosure** - Provides increased daytime and nighttime fixture presence, with precise optical control. This configuration is available with 4 distinct optical systems, featuring multiple light distributions. Acrylic enclosure is standard. See pages 9-25 for complete specifications, technical data and ordering information.

### Available Optics



#### HID

This cutoff optical module is concealed inside the fixture hood, causing the clear enclosure to glow only from its textured surface. Available in Type II, III, IV and VSq light distributions.



#### LED Power Array™

This vertical array sits inside the fixture housing, and is available in Type II, III, IV and VSq light distributions. The LED array and its driver are a self contained module.



#### 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.



#### Glass Chimney (HID only)

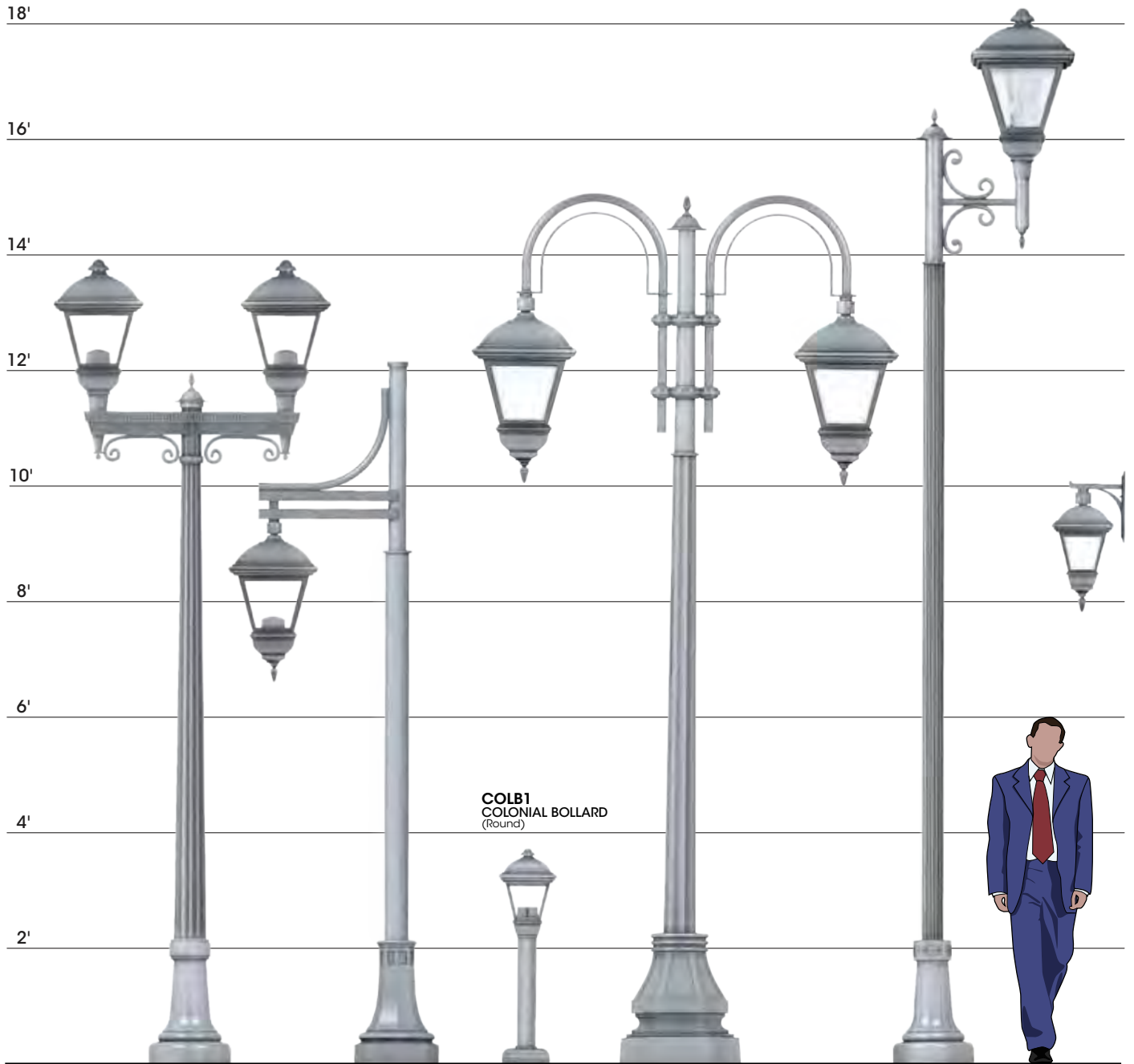
Traditional glass chimney mounts inside the fixture housing, and evokes a gas lantern look. Available in either clear or frosted finish. Type V light distribution.

# Suggested Combinations



Fixture	COL12-WA	COL18-GC	COL21	COL18-GR	COL18
Arm	-	XAV-2	-	XBT	XBY-WM
Pole	1030T 4" to 3" Dia. Smooth, Tapered, Cast Alum.	1050 5" Dia. Smooth, Straight, Extruded Alum.	1030C 5.25" to 3.5" Dia. Fluted, Tapered, Cast Alum.	1046T 6" to 4" Dia. Smooth, Tapered, Cast Alum.	-
Base	1000	5300	300	3600	-

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



Fixture	COL18	COL18-LED	COL18-WA	COL21-LED	COL12-WA
Arm	XAD-2	XBC	XPE-2	XAE	XCA-UP-WM
Pole	1050C 6.5" to 4" Dia. Fluted, Tapered, Cast Alum.	1050 5" Dia. Smooth, Straight, Extruded Alum.	1058C 6" to 4" Dia. Fluted, Tapered, Cast Alum.	1070 5" Dia. Fluted, Straight, Extruded Alum.	-
Base	7500	2600	4600	700	-


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

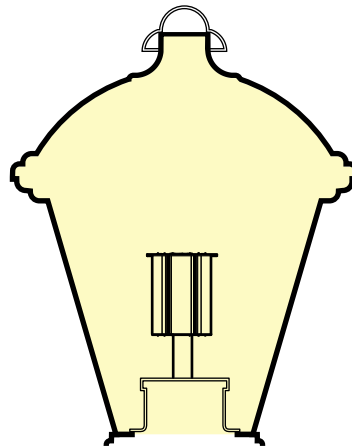
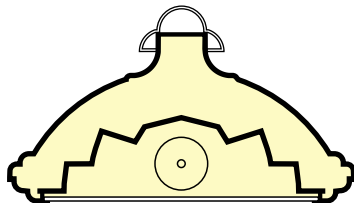
# Engineering Features

## Robust Components

The Colonial 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) or Clear Patterned Acrylic Enclosure (CPA) enhance the Colonial aesthetic and optical performance capabilities. Each Enclosure is fully gasketed against the Crown and Base Fitter.



Note:  Sealed Chamber

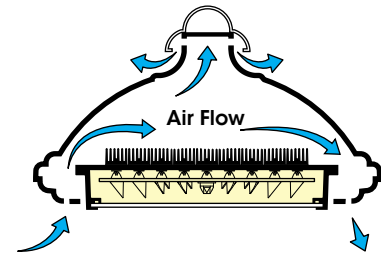


## HID Optics

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 VSq light distributions and are rotatable in 90 deg. increments for field orientation. See page 9

## 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 10.



## 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 11

## Unitized Electrical Module

All electrical components are mounted on a plate, making initial installation and future servicing quick and simple.



HID Ballast



LED Power Array™ and VLED® Driver





# 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.

## COL21



## Mogul Base



250PSMH 250HPS  
200PSMH 200HPS  
175PSMH 150HPS  
150PSMH

## PGZ Base



210PSMH

See page 15 for additional lamp sources

## COL18 & COL12



## Medium Base



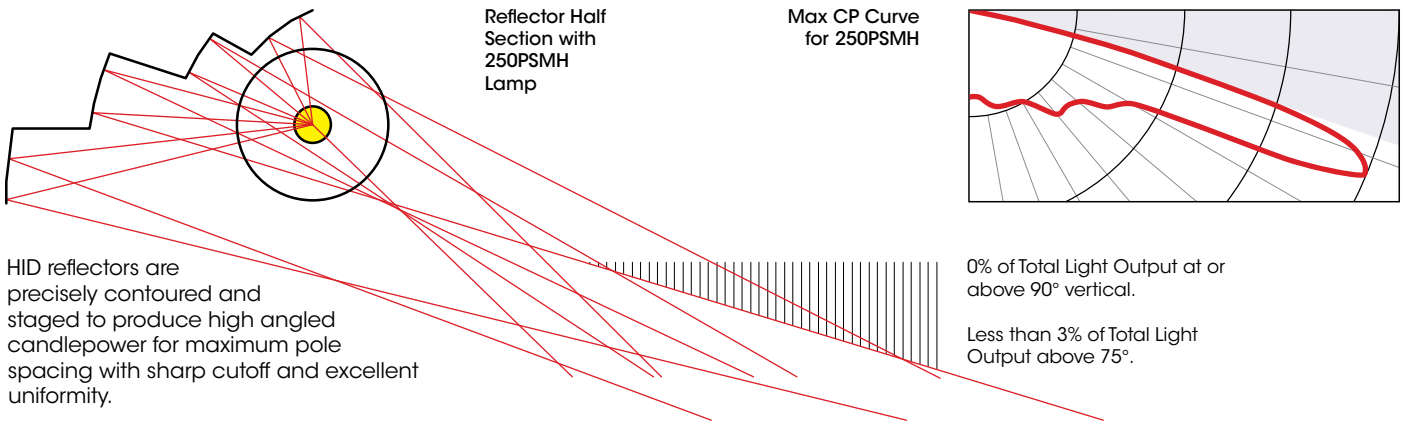
150PSMH 150HPS  
100PSMH 100HPS  
70PSMH 70HPS  
50PSMH 50HPS  
35HPS

## G Base



150PSMH  
70PSMH  
39PSMH

See page 15 for additional lamp sources



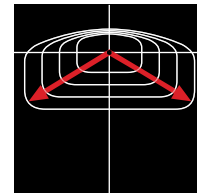
HID reflectors are precisely contoured and staged to produce high angled candlepower for maximum pole spacing with sharp cutoff and excellent uniformity.

Colonial 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.

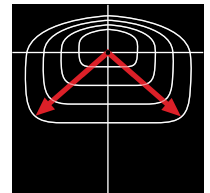


Standard IES light distributions are available to satisfy project requirements for illumination coverage with the least number of poles.

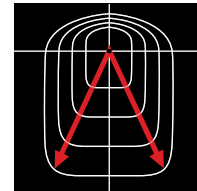
### Type II\*



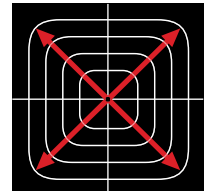
### Type III



### Type IV\*



### Type V Sq.

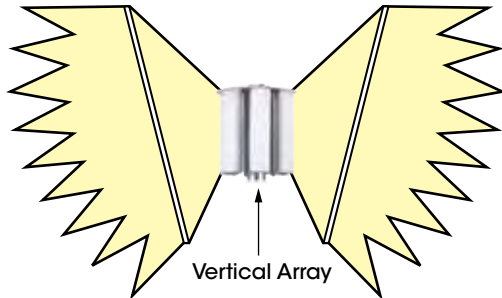


\*Available in COL21 and COL18 only.

# LED Power Array™ Optics

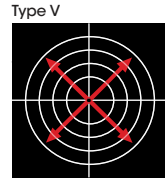
Patent Pending See LED Power Array™ Catalog for a complete presentation on the LED System.

Opal White Acrylic Diffuser



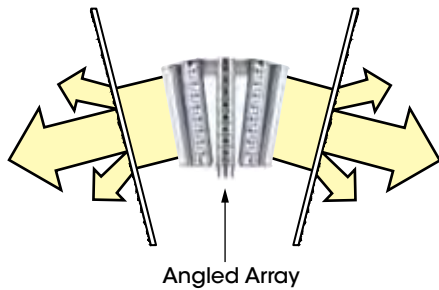
## Vertical Power Array With Opal Diffuser

The Vertical Power Array in this configuration replaces a standard lamp source. The 360° radial output of the Vertical Power Array provides even light across the opal diffuser.



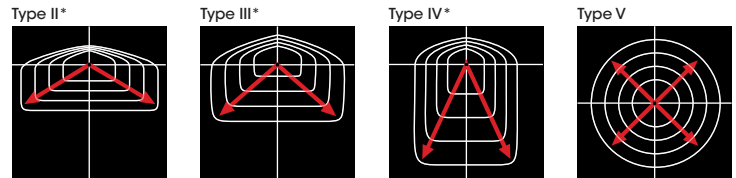
COL-WA Models

Clear Patterned Acrylic Enclosure



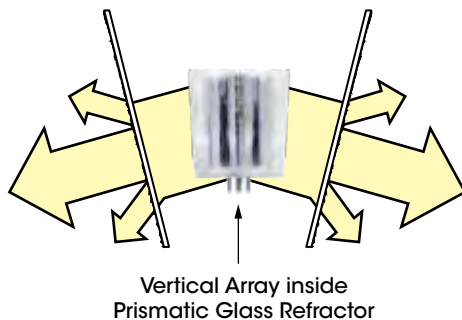
## Angled Power Array With Clear Patterned Enclosure

Optical control in this configuration is provided by the Angled Power Array. The LED modules with precision performance Micro-Reflectors 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.



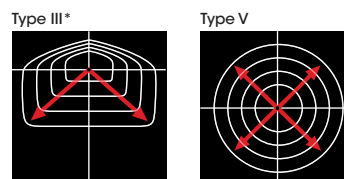
\* Available in COL21-CPA and COL18-CPA only.

Clear Patterned Acrylic Enclosure



## 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.



\* Available in COL21-CPA and COL18-CPA only.

# ✓LED<sup>®</sup> Optics

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



Sun Valley Lighting's ✓LED<sup>®</sup> system is innovative and unique. It is a self contained module that is completely sealed from the elements to an IP67 rating. The module consists of a precision cast aluminum machined housing with integrated heat sinks that protect the internal components such as the LED's and the ✓LED<sup>®</sup> Reflector Prisms. A tempered glass lens allows light to pass while keeping contaminants from depreciating the optical components' performance.

## COL21

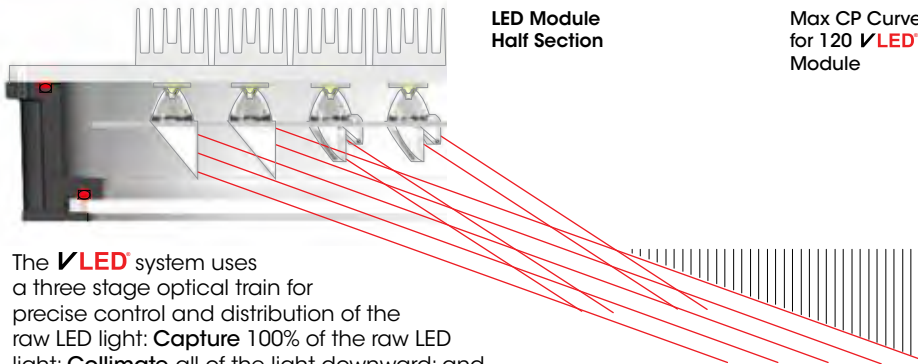


No. of LEDs	Drive Current	System Watts	HID Equivalent
120	525mA	192w	400PSMH
120	350mA	130w	250PSMH
80	525mA	126w	200PSMH
80	350mA	85w	175PSMH
64	525mA	103w	150PSMH
64	350mA	69w	100PSMH
48	525mA	76w	100PSMH
48	350mA	55w	70PSMH

## COL18

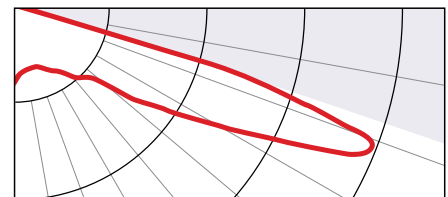


No. of LEDs	Drive Current	System Watts	HID Equivalent
64	525mA	103w	175PSMH
64	350mA	69w	100PSMH
48	525mA	76w	100PSMH
48	350mA	55w	70PSMH



LED Module Half Section

Max CP Curve for 120 ✓LED<sup>®</sup> Module



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

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

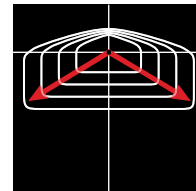
The ✓LED<sup>®</sup> system uses a three stage optical train for precise control and distribution of the raw LED light: **Capture** 100% of the raw LED light; **Collimate** all of the light downward; and **Vector** the light outward to the area to be illuminated.



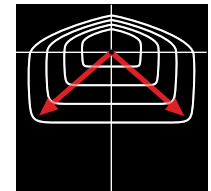
The ✓LED<sup>®</sup> optical system satisfies dark sky requirements. Uniformity of illumination is superior with the ✓LED<sup>®</sup> system due to its precise optics.

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

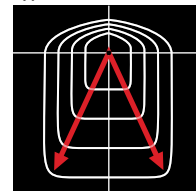
Type II\*



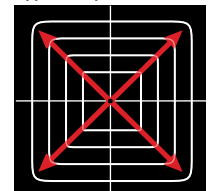
Type III



Type IV\*



Type VSq.

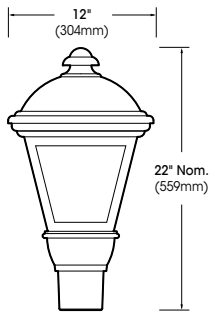


\* Available in COL21 and COL18 only.

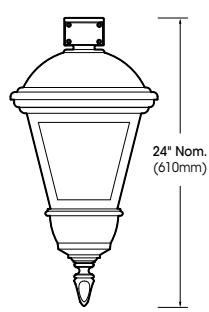


# Dimensions

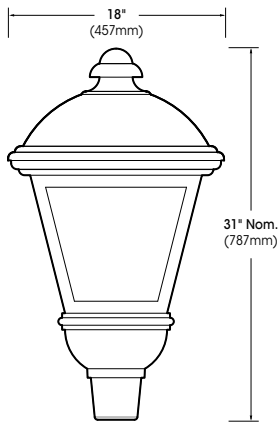
## Pole and Pendant Mounted



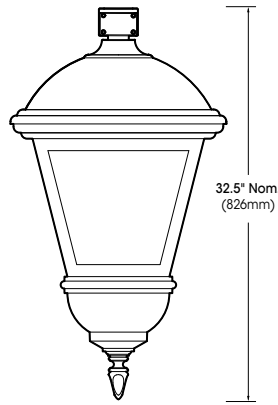
**COL12 - Tenon Mount**  
Pole Top, Arm or Wall Mount



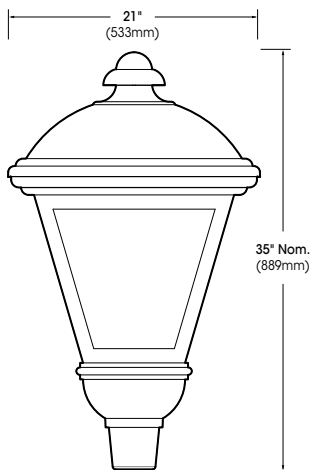
**COL12 - Pendant Suspended**  
Arm or Wall Mount



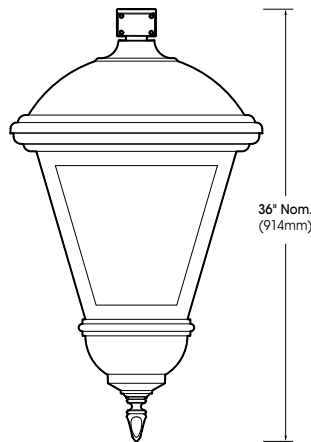
**COL18 - Tenon Mount**  
Pole Top, Arm or Wall Mount



**COL18 - Pendant Suspended**  
Arm or Wall Mount

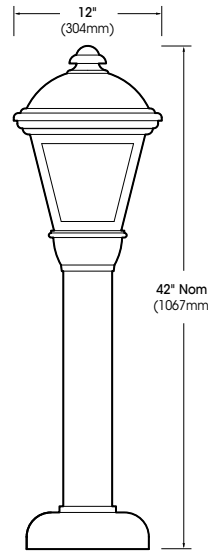


**COL21 - Tenon Mount**  
Pole Top, Arm or Wall Mount

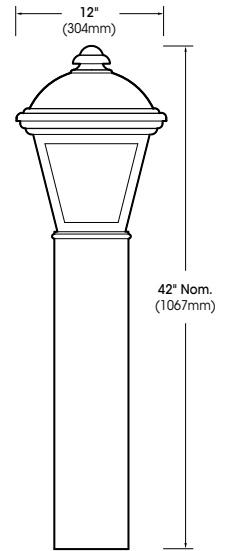


**COL21 - Pendant Suspended**  
Arm or Wall Mount

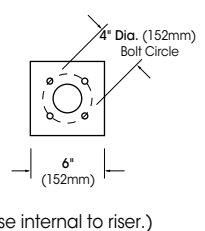
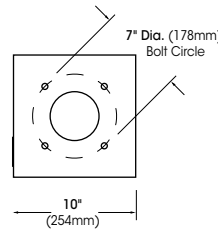
## Bollards



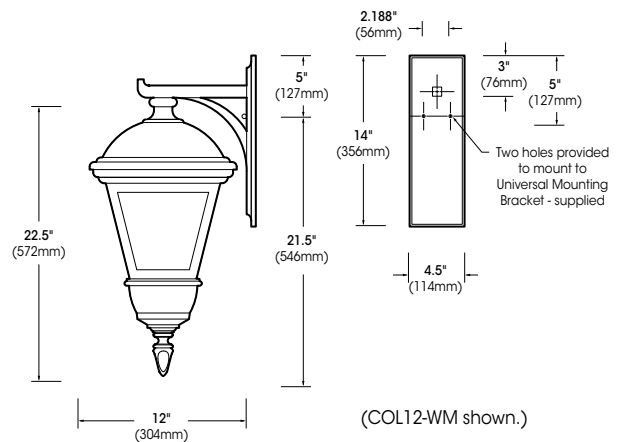
**COLB1 - Round Shaft**



**COLB2 - Square Shaft**



## Wall Mounted



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

# Specifications

## All Models

**Fixture Housing** - One piece low copper heavy wall aluminum casting (A356 alloy; <.02Cu). 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.

## Lenses

**COL HID and LED models** - See HID Lamp/Electrical and VLED for lens specification.

**COL-WA** - Opal White Acrylic is standard. Lenses are gasketed at housing.

**COL-CPA** - Clear Patterned Acrylic is standard. Lenses are gasketed at housing.

**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.



## HID Lamp/Electrical

### Horizontal Lamp Optical System

**Lens (COL model)** - 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 mounted to an aluminum frame and attached to the housing. Reflector module is field rotatable in 90° increments. Sockets are porcelain 4KV pulse rated, (E39) mogul (COL21) or (E26) medium base (COL18 and COL12). Other bases as noted. Reflector modules are factory prewired with quick-disconnect plug.

### Vertical Lamp Optical Systems

**Bare Lamp Optics (COL-WA only)** - Vertically oriented base down lamp produces a symmetric distribution. Sockets are porcelain 4KV pulse rated, (E39) mogul (COL21) or (E26) medium base (COL18 and COL12).

**Reflector/Refractor Module (CPA only)** - Borosilicate glass refractor produces either a symmetric (Type V) or asymmetric (Type II) distribution pattern. Sockets are porcelain 4KV pulse rated, mogul (COL21) or medium base (COL18 and COL12).

**Electrical Module** - All electrical components are UL and cUL recognized, 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 reactance, 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™

**General Power Array Specifications** - LED Power Array consists of a three-dimensional array of individual LED tubes fastened to a retaining plate. Each LED tube houses LED emitters mounted to a vented circuit board. The circuit boards are mechanically mounted to an extruded radial heatsink and transfer the heat away from the LED emitter to the heatsink. An acrylic lens and end cap protect the components within each LED Tube.

**LED Emitters** - LED emitters are mounted to vented and heat sinked circuit boards within each LED Tube. LED's are minimum 70CRI and standard 4000K CCT (Neutral White). Also available as 3000K CCT (Warm White) or 5000K CCT (Cool White).

**LED Driver** - UL and CUL recognized Constant Current LED drivers operate on input voltages from 120 – 277VAC, 50/60hz and are mounted to an aluminum bracket secured to the barrier plate. Driver is independently sealed and UL Listed for wet location. Consult Factory for High-Low and dimming options. (Consult factory for dimming applications and alternate voltages.)

### Angled Power Array (COL-CPA)

Micro-Reflectors mounted around each LED produce precise beam patterns and control the raw output of each individual LED emitter. LED tubes with clear lenses are uniquely aimed horizontally and vertically and combined to produce IES Distribution Types II, III, IV, and V. The retaining plate is field rotatable and secured with a lock nut.

### Vertical Power Array (COL-WA and COL-CPA)

**Refractor** – 6 LED tubes with clear lenses are mounted to a retaining plate in equal radial increments for an even light distribution. The raw output of the LED emitter is utilized to simulate a standard light source while the refractor produces either a symmetric (Type V) or asymmetric (Type III) distribution pattern.

**Clear Patterned Enclosure** – 6 or 8 LED tubes with frosted lenses are mounted to a retaining plate in equal radial increments for an even light distribution. The raw output of the LED emitter is utilized to simulate a standard light source and the diffuser produces a symmetric (Type V) distribution pattern.

**Opal Diffuser** – 6 or 8 LED tubes with frosted lenses are mounted to a retaining plate in equal radial increments for an even light distribution. The raw output of the LED emitter is utilized to simulate a standard light source and the diffuser produces a symmetric (Type V) distribution pattern.

## VLED®

**VLED® Optical Module** – Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Entire module meets an IP67 rating. Emitters (LED's) are high output, standard Neutral White nominal 4000K CCT for the entire module (Warm white 3000K CCT and Cool White 5000K CCT also available). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). 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 every Reflector-Prism over an emitter. The Reflector-Prisms are arrayed to produce IES Type II, IES Type III, IES Type IV or IES Type V-SQ light 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.

**Driver** – UL and CUL recognized Constant Current LED drivers operate on input voltages from 120 – 277VAC, 50/60hz and are mounted to an aluminum bracket secured to the barrier plate. Driver is independently sealed and UL Listed for wet location. Consult Factory for High-Low and dimming options. (Consult factory for dimming applications and alternate voltages.)

# Lamp / Electrical Guide

LAMP WATTS	LAMP TYPE	BULB TYPE	INITIAL LUMENS	LIFE (HOURS)	ANSI CODE	STARTING TEMP.	CIRCUIT TYPE	SYSTEM WATTS	VOLTS	MAX INPUT AMPS	MIN. FUSE AMPS										
<b>PULSE START METAL HALIDE</b>																					
39	PSMH	Clear T6, G12 Base	3,300	11,000	C130/0	-4°F	Electronic	44	120	0.38	2										
									277			0.16									
50	PSMH	Clear, ED17, Med. Base - 4000K	5,000	20,000	M110	-20°F	Electronic	56	120	0.47	2										
									277			0.20									
									M148			HX-HPF	120	1.20							
													277	0.51							
70	PSMH	Clear, ED17, Med. Base - 4000K T6, G12 Base	7,700	20,000	M98	-20°F	Electronic	82	120	0.68	2										
									277			0.31									
									90			1.90									
			6,600	12,000	M139	HX-HPF	90	277	0.80	2											
							90	347	0.70	2											
							94	347	0.65	2											
100	PSMH	Clear, ED17, Med. Base	8,500	15,000	M90	-20°F	Electronic	115	120	0.96	2										
									277			0.42									
									M140			HX-HPF	129	2.30							
													129	1.40							
									129			240	1.20	3							
									129			277	1.00	3							
									129			347	1.00	2							
									150			PSMH	Clear, ED17, Med. Base T6, G12 Base	13,000	20,000	M102	-20°F	Electronic	165	120	1.40
277	0.60																				
M142	HX-HPF	185	3.70																		
		185	2.10																		
12,000	12,000	M142	HX-HPF	185	240	1.80	2														
				185	277	1.60	2														
				185	347	1.30	2														
				185	347	1.30	2														
175	PSMH	Clear, ED28, Mog. Base (E39)	13,000	15,000	M152	-20°F	Super CWA	208	120	1.90	5										
									208			1.10									
									208			0.90									
									208			277	0.80								
									208			347	0.70								
									208			347	0.70								
200	PSMH	Clear, ED28, Mog. Base (E39) Clear, T15, Mog. Base (E39)	21,000	20,000	M136	-20°F	Super CWA	232	120	2.00	6										
									208			1.20									
									240			1.00									
			15,000	15,000	M136	Super CWA	232	277	0.90	3											
											232	0.90									
											232	347	0.70								
19,000	19,000	M136	Super CWA	232	277	0.90	3														
								232	347	0.70											
HOR only	HOR only	M136	Super CWA	232	347	0.70	2														
								232	347	0.70											
210	PSMH	Clear, T9, PGZ18 base	23,000	20,000	C183/E	-4°F	Electronic	229	200	1.20	3										
									277			0.90									
250	PSMH	Clear, ED28, Mog. Base, Horiz. only	22,000	15,000	M138	-20°F	Super CWA	291	120	2.50	8										
									208			1.40									
									291			1.30									
									291			277	1.10								
									291			347	0.90								
									291			347	0.90								
HIGH PRESSURE SODIUM	HPS	Clear, BD17, Med. Base	2,250	24,000	S67	-40°F	R-HPF	46	120	0.80	2										
									120			0.80									
									50			HPS	Clear, BD17, Med. Base	4,000	24,000	S68	-40°F	HX-HPF	66	1.00	3
																			277		
									1			HPS	Clear, BD17, Med. Base	6,300	24,000	S62	-40°F	HX-HPF	91	1.40	5
																			277		
2	HPS	Clear, BD17, Med. Base	6,300	24,000	S62	-40°F	HX-HPF	93	0.60	2											
								347			0.60										
100	HPS	Clear, BD17, Med. Base	9,500	24,000	S54	-40°F	HX-HPF	130	120	2.20	7										
									208			1.30									
									130			1.10									
									130			277	0.90								
									130			347	0.70								
									130			347	0.70								
150	HPS	Clear, BD17, Med. Base	16,000	24,000	S55	-40°F	HX-HPF	188	120	2.80	10										
									208			1.60									
									188			1.40									
									188			277	1.30								
									188			347	0.90								
									188			347	0.90								
200	HPS	Clear, ED18, Mog. Base	21,400	24,000	S66	-40°F	CWA	240	120	2.20	6										
									208			1.30									
									240			1.10									
									240			277	1.00								
									240			277	1.00								
250	HPS	Clear, ED18, Mog. Base	27,000	24,000	S50	-40°F	CWA	295	120	2.50	7										
									208			1.50									
									295			1.30									
									295			277	1.10								
									295			347	0.90								
									295			347	0.90								



## Lamp / Electrical Guide (Continued)

LAMP WATTS	LAMP TYPE	BULB TYPE	INITIAL LUMENS	LIFE (HOURS)	ANSI CODE	STARTING TEMP.	CIRCUIT TYPE	SYSTEM WATTS	VOLTS	MAX INPUT AMPS	MIN. FUSE AMPS
<b>FLUORESCENT</b>											
42	CLF	4-Pin Triple Tube GX24q base	3,200	20,000		0°F		46	120 277	0.38 0.17	
<b>LED</b>											
28	LED	24 LED Optical Module - 350mA	1,610 - 2,380	70,000 - 140,000		-40°F		28	120 277	0.25 0.11	
55	LED	48 LED Optical Module - 350mA	3,219 - 4,760	70,000 - 140,000		-40°F		55	120 277	0.50 0.11	
76	LED	48 LED Optical Module - 525mA	4,457 - 6,557	70,000 - 140,000		-40°F		76	120 277	0.70 0.30	
69	LED	64 LED Optical Module - 350mA	3,989 - 5,961	70,000 - 140,000		-40°F		69	120 277	0.63 0.27	
103	LED	64 LED Optical Module - 525mA	5,612 - 8,355	70,000 - 120,000		-40°F		103	120 277	0.94 0.41	
85	LED	80 LED Optical Module - 350mA	4,572 - 7,452	70,000 - 140,000		-40°F		85	120 277	0.78 0.34	
126	LED	80 LED Optical Module - 525mA	6,408 - 10,444	70,000 - 110,000		-40°F		126	120 277	1.16 0.50	
109	LED	100 LED Optical Module - 350mA	5,682 - 9,260	70,000 - 140,000		-40°F		109	120 277	1.00 0.43	
160	LED	100 LED Optical Module - 525mA	7,862 - 12,813	70,000 - 110,000		-40°F		160	120 277	1.46 0.64	
130	LED	120 LED Optical Module - 350mA	6,819 - 11,112	70,000 - 140,000		-40°F		130	120 277	1.19 0.52	
192	LED	120 LED Optical Module - 525mA	9,434 - 15,375	70,000 - 110,000		-40°F		192	120 277	1.76 0.76	

### NOTES:

1. U.S. Architectural Lighting's Lamp and Electrical Guide is for reference only. ALWAYS consult lamp and ballast manufacturer's data for exact technical specifications.
2. All Initial Lumen values shown are approximate in the vertical position and may vary from one manufacturer to another.
3. For HX-HPF circuits, Max Input Amps is the highest of starting, operating, or opening circuit currents. For CWA circuits, the figure is operating current.
4. Lumen values for LED Modules vary according to the distribution type and house side shielding.

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

# COL - Clear Glass Lens HID Order Information























## Optic Horizontal Lamp



SEGMENTED REFLECTOR  
HR

## HID

Spec/Order Example: COL18/HR-III/150PSMH120/1/RAL7004-T

MODEL	OPTICS	LAMP/BALLAST MODE	MOUNTING	FINISH	OPTIONS
 <input type="checkbox"/> COL21	<b>HORIZONTAL LAMP REFLECTOR</b> <input type="checkbox"/> TYPE II <b>HR - II</b> .....  <input type="checkbox"/> TYPE III <b>HR - III</b> .....  <input type="checkbox"/> TYPE IV <b>HR - IV</b> .....  <small>(COL18 ONLY)</small>	<b>WATTS</b> <b>TYPE</b> <b>VOLTS</b> <b>COL21</b> <input type="checkbox"/> 250 <sup>6</sup> <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 210 <sup>1,5</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 200 <sup>3,6</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 175 <sup>4</sup> <input type="checkbox"/> 277 <input type="checkbox"/> 150 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<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"/> HOUSE SIDE SHIELD . . . . . <b>HS</b> <input type="checkbox"/> PHOTO CELL + VOLTAGE <small>(EXAMPLE: PC120V) . . . . .</small> <b>PC+V</b> <input type="checkbox"/> TWIST LOCK <small>PHOTO CELL + VOLTAGE  <small>(EXAMPLE: PC120V) . . . . .</small> <b>TPC+V</b>  <small>(COL21 &amp; COL18 Only)</small>  <input type="checkbox"/> TWIST LOCK  <small>RECEPTACLE ONLY . . . . .</small> <b>TPR</b>  <small>(COL21 &amp; COL18 Only)</small>  <input type="checkbox"/> SINGLE FUSE  <small>(120V, 277V) . . . . .</small> <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE  <small>(208V, 240V) . . . . .</small> <b>DF</b> </small>
	 <input type="checkbox"/> COL18	<input type="checkbox"/> TYPE IV WIDE <b>HR - IV - W</b> . . . . .  <small>(COL21 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 - S Q</b> . . . . . 	<b>COL18</b> <input type="checkbox"/> 150 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 150 <sup>2</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 100 <input type="checkbox"/> 240 <input type="checkbox"/> 70 <input type="checkbox"/> 277 <input type="checkbox"/> 70 <sup>2</sup> <input type="checkbox"/> 347	<b>WALL MOUNT</b> <small>Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets</small> <input type="checkbox"/> WM ..... 	<input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b> <input type="checkbox"/> GREEN <b>RAL-6005-T</b>
 <input type="checkbox"/> COL12	<input type="checkbox"/> TYPE ASYMMETRIC <b>HR - ASY</b> . . . . .  <input type="checkbox"/> TYPE SYMMETRIC <b>HR - SYM</b> . . . . . 	<b>COL12</b> <input type="checkbox"/> 70 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 70 <sup>2</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 240 <input type="checkbox"/> 50 <sup>2</sup> <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 42 CFL <sup>9</sup> <input type="checkbox"/> 347 <input type="checkbox"/> 39 <sup>T</sup> PSMH <input type="checkbox"/> 35 HPS	<input type="checkbox"/> WM .....  <b>POST TOP</b> <input type="checkbox"/> PT ..... 	<input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b> <input type="checkbox"/> GREEN <b>RAL-6005-T</b>	<input type="checkbox"/> TWIST LOCK <small>RECEPTACLE ONLY . . . . .</small> <b>TPR</b> <small>(COL21 &amp; COL18 Only)</small> <input type="checkbox"/> SINGLE FUSE <small>(120V, 277V) . . . . .</small> <b>SF</b> <input type="checkbox"/> DOUBLE FUSE <small>(208V, 240V) . . . . .</small> <b>DF</b>

**NOTES FOR ELECTRONIC BALLASTS:**  
 -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC  
 -39W - 175W ARE 120 - 277VOLT  
 -ABOVE 175W ARE 200 - 277VOLT  
 -PSMH ONLY

**NOTES:**  
 1 - TUBULAR LAMP, PG218 BASE, -E BALLAST ONLY  
 2 - TUBULAR LAMP, G12 BASE  
 3 - FOR PSMH, HOR POSITION LAMP REQUIRED  
 4 - E39 BASE, HOR POSITION LAMP REQUIRED  
 5 - PSMH ONLY  
 6 - -E BALLAST NOT AVAILABLE  
 7 - N/A for 35HPS and 50HPS  
 8 - N/A for 35HPS  
 9 - GX24Q-4 BASE

FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)

CONSULT FACTORY FOR CUSTOM COLORS

# COL - Clear Glass Lens LED Order Information




















## Optic Enclosed Module



✓ VLED<sup>®</sup> MODULE  
✓ LED<sup>®</sup>

## LED

Spec/Order Example: COL21 /VLED-VSQ/120LED CW/3-90/RAL7004/DF

MODEL	OPTICS	LED MODE	MOUNTING	FINISH	OPTIONS		
 <input type="checkbox"/> COL21	<input checked="" type="checkbox"/> VLED <sup>®</sup> <input type="checkbox"/> TYPE II VLED - II .....  <input type="checkbox"/> TYPE III VLED - III .....  <input type="checkbox"/> TYPE IV VLED - IV ..... 	<b>No. LEDs</b> <b>COL21</b> <input type="checkbox"/> 120LED (132 Watts) <input type="checkbox"/> 100LED (110 Watts) <input type="checkbox"/> 80LED (89 Watts) <input type="checkbox"/> 64LED (72 Watts)	<b>DRIVE CURRENT</b> <input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	<b>COLOR TEMP - CCT</b> <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>	<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 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 <small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD ..... HS <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) ..... DIM <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... HLSW <input type="checkbox"/> 10KV SURGE PROTECTOR ..... 10SP <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) ..... 20SP <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... PC+V <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... TPC+V (COL21 & COL18 Only)
	<input type="checkbox"/> COL18 	<input type="checkbox"/> TYPE V VLED-VSQ ..... 	<b>COL18</b> <input type="checkbox"/> 64LED (72 Watts) <input type="checkbox"/> 48LED (53 Watts)	<b>VOLTAGE</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	<b>WALL MOUNT</b> <small>Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets</small> <input type="checkbox"/> WM ..... 	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... PC+V (COL21 & COL18 Only) <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... TPR (COL21 & COL18 Only)	
<input type="checkbox"/> COL12 	<input type="checkbox"/> TYPE ASYMMETRIC VLED - ASY .....  <input type="checkbox"/> TYPE SYMMETRIC VLED - SYM ..... 	<b>No. LEDs</b> <b>COL12</b> <input type="checkbox"/> 24LED (28 Watts)	<b>COLOR TEMP - CCT</b> <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>	<b>VOLTAGE</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 <small>COL12 AVAILABLE IN 350mA ONLY</small>	<input type="checkbox"/> PT .....  <b>POST TOP</b> <small>CONSULT FACTORY FOR CUSTOM COLORS</small>	<input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... TPR (COL21 & COL18 Only) <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... SF <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... DF <small>CONSULT FACTORY FOR DIMMING OPTIONS</small>	

# COL-WA - Opal White Acrylic Diffuser

## HID Order Information



### Optic











#### Vertical Lamp - Base Down



VERTICAL BARE LAMP OPTIC  
VL

## HID

Spec/Order Example: COL21-WA/HR-V/250PSMH240/PT/RAL9003

MODEL	OPTICS	LAMP/BALLAST MODE			MOUNTING	FINISH	OPTIONS		
 <input type="checkbox"/> COL21-WA	<b>HORIZONTAL SEGMENTED REFLECTOR</b>  <input type="checkbox"/> TYPE SYMMETRIC <b>VL - SYM</b> . . . . . 	<b>COL21-WA</b> <input type="checkbox"/> 250 <sup>6</sup> <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 210T <sup>1,5</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 200 <sup>3,6</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 150 <input type="checkbox"/> 277 <input type="checkbox"/> <input type="checkbox"/> 347 <input type="checkbox"/> <input type="checkbox"/> 480			<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"/> 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> (COL21 & COL18 Only)  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY . . . . . <b>TPR</b> (COL21 & COL18 Only)  <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>  <input type="checkbox"/> OPAL POLYCARBONATE DIFFUSER . . . . . <b>WP</b>
		<b>COL18-WA</b> <input type="checkbox"/> 150 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 150T <sup>2</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 100 <input type="checkbox"/> 240 <input type="checkbox"/> 70 <input type="checkbox"/> 277 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 347			<b>WALL MOUNT</b> <small>Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets</small> <input type="checkbox"/> WM . . . . . 		<b>FOR SMOOTH FINISH REMOVE SUFFIX "T"</b> (EXAMPLE: RAL-9005)		
		<b>COL12-WA</b> <input type="checkbox"/> 70 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 240 <input type="checkbox"/> 50T <sup>2</sup> <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 42 CFL <sup>9</sup> <input type="checkbox"/> 347 <input type="checkbox"/> 39T <sup>2</sup> PSMH <input type="checkbox"/> 35 HPS			<b>POST TOP</b> <input type="checkbox"/> PT . . . . . 				
<b>NOTES FOR ELECTRONIC BALLASTS:</b> -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC -39W - 175W ARE 120 - 277VOLT -ABOVE 175W ARE 200 - 277VOLT -PSMH ONLY  <b>NOTES:</b> 1 - TUBULAR LAMP, PGZ18 BASE, -E BALLAST ONLY 2 - TUBULAR LAMP, G12 BASE 3 - FOR PSMH, HOR POSITION LAMP REQUIRED 4 - E39 BASE, HOR POSITION LAMP REQUIRED 5 - PSMH ONLY 6 - -E BALLAST NOT AVAILABLE 7 - N/A for 35HPS and 50HPS 8 - N/A for 35HPS 9 - GX24Q-4 BASE									



# COL-WA - Opal White Acrylic Diffuser

## LED Order Information

















### Optic LED Power Array™



VERTICAL POWER ARRAY  
VPA

### LED

Spec/Order Example: COL12-WA/VP-V/64LED NW/2-180/RAL8019/TPR

MODEL	OPTICS	LED MODE			MOUNTING	FINISH	OPTIONS		
 <input type="checkbox"/> COL21-WA	VERTICAL POWER ARRAY  <input type="checkbox"/> SYMMETRIC <b>VPA - SYM</b> . . . 	<b>COL21-WA</b> <input type="checkbox"/> <b>80LED</b> (85 Watts)	<input type="checkbox"/> <b>NW (4000K)*</b> *STANDARD	<input type="checkbox"/> <b>120</b> <input type="checkbox"/> <b>208</b>	<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> <small>Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets</small> <input type="checkbox"/> WM . . . . .   <b>POST TOP</b> <input type="checkbox"/> PT . . . . . 	<input type="checkbox"/> <b>240</b> <input type="checkbox"/> <b>277</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b>	<b>STANDARD TEXTURED FINISH</b>  <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>  <small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> HOUSE SIDE SHIELD . . . . . <b>HS</b>  <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) . . . . . <b>DIM</b>  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b>  <input type="checkbox"/> 10KV SURGE PROTECTOR . . . . . <b>10SP</b>  <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) . . . . . <b>20SP</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> (COL21 & COL18 Only)  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY . . . . . <b>TPR</b> (COL21 & COL18 Only)  <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>  <input type="checkbox"/> OPAL POLYCARBONATE DIFFUSER . . . . . <b>WP</b>	
		<input type="checkbox"/> <b>COL18-WA</b>	<b>COL18-WA</b> <input type="checkbox"/> <b>64LED</b> (69 Watts) <input type="checkbox"/> <b>48LED</b> (55 Watts) <input type="checkbox"/> <b>36LED</b> (?? Watts)	<input type="checkbox"/> <b>NW (4000K)*</b> *STANDARD <input type="checkbox"/> <b>CW (5000K)</b> <input type="checkbox"/> <b>WW (3000K)</b>  <small>OTHER LED COLORS AVAILABLE CONSULT FACTORY</small>		<input type="checkbox"/> <b>120</b> <input type="checkbox"/> <b>208</b> <input type="checkbox"/> <b>240</b> <input type="checkbox"/> <b>277</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b>	<input type="checkbox"/> <b>WM</b> . . . . .   <input type="checkbox"/> <b>PT</b> . . . . . 	<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>  <small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> HOUSE SIDE SHIELD . . . . . <b>HS</b>  <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) . . . . . <b>DIM</b>  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b>  <input type="checkbox"/> 10KV SURGE PROTECTOR . . . . . <b>10SP</b>  <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) . . . . . <b>20SP</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> (COL21 & COL18 Only)  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY . . . . . <b>TPR</b> (COL21 & COL18 Only)  <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>  <input type="checkbox"/> OPAL POLYCARBONATE DIFFUSER . . . . . <b>WP</b>
		<input type="checkbox"/> <b>COL12-WA</b>	<b>COL12-WA</b> <input type="checkbox"/> <b>24LED</b> (26 Watts) <input type="checkbox"/> <b>12LED</b> (14 Watts)	<input type="checkbox"/> <b>NW (4000K)*</b> *STANDARD <input type="checkbox"/> <b>CW (5000K)</b> <input type="checkbox"/> <b>WW (3000K)</b>  <small>OTHER LED COLORS AVAILABLE CONSULT FACTORY</small>		<input type="checkbox"/> <b>120</b> <input type="checkbox"/> <b>208</b> <input type="checkbox"/> <b>240</b> <input type="checkbox"/> <b>277</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b>	<input type="checkbox"/> <b>WM</b> . . . . .   <input type="checkbox"/> <b>PT</b> . . . . . 	<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>  <small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> HOUSE SIDE SHIELD . . . . . <b>HS</b>  <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) . . . . . <b>DIM</b>  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b>  <input type="checkbox"/> 10KV SURGE PROTECTOR . . . . . <b>10SP</b>  <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) . . . . . <b>20SP</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> (COL21 & COL18 Only)  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY . . . . . <b>TPR</b> (COL21 & COL18 Only)  <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>  <input type="checkbox"/> OPAL POLYCARBONATE DIFFUSER . . . . . <b>WP</b>

# COL-CPA - Clear Patterned Acrylic Enclosure

## HID Order Information



### Optics

#### Horizontal Lamp



SEGMENTED REFLECTOR  
HR

#### Vertical Lamp

























GLASS REFRACTOR  
PG



GLASS CHIMNEY  
GC

## HID

Spec/Order Example: COL18-CPA/PG-III/150PSMH120/WM/RAL6005-T/TPC+V

MODEL	OPTICS	LAMP/BALLAST MODE	MOUNTING	FINISH	OPTIONS			
 <input type="checkbox"/> COL21-CPA	<b>HORIZONTAL SEGMENTED REFLECTOR</b> FOR COL21 AND COL18 MODELS  <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> .....  (COL18 ONLY)  <input type="checkbox"/> TPYE I V WIDE <b>HR - IV - W</b> .....  (COL21 ONLY)	<b>COL21-CPA</b>  <input type="checkbox"/> 250 <sup>6</sup> <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 210T <sup>1,5</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 200 <sup>3,6</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 175 <sup>4</sup> <input type="checkbox"/> 277 <input type="checkbox"/> 150 <input type="checkbox"/> 347 <input type="checkbox"/> 480		<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> <small>Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets</small>  <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>  <small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<input type="checkbox"/> HOUSE SIDE SHIELD (HR & PG 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> (COL21 & COL18 Only)  <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... <b>TPR</b> (COL21 & COL18 Only)  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>  <input type="checkbox"/> CLEAR SMOOTH POLYCARBONATE DIFFUSER ..... <b>CP</b>		
		 <input type="checkbox"/> COL18-CPA	<b>HORIZONTAL SEGMENTED REFLECTOR</b> FOR COL12 MODEL  <input type="checkbox"/> FORWARD THROW (HOUSE SIDE CUT-OFF) <b>HR-FT-HSC</b> .....   <input type="checkbox"/> TYPE V-SQ <b>HR-V-SQ</b> ..... 				<b>COL18-CPA</b>  <input type="checkbox"/> 150 <input type="checkbox"/> PSMH <input type="checkbox"/> 120 <input type="checkbox"/> 150T <sup>2</sup> <input type="checkbox"/> HPS <input type="checkbox"/> 208 <input type="checkbox"/> 100 <input type="checkbox"/> 240 <input type="checkbox"/> 70 <input type="checkbox"/> 277 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 347	
							 <input type="checkbox"/> COL12-CPA	<b>HORIZONTAL SEGMENTED REFLECTOR</b> FOR COL21 AND COL18 MODELS  <input type="checkbox"/> TYPE ASYMMETRIC <b>HR-ASY</b> .....   <input type="checkbox"/> TYPE SYMMETRIC <b>HR-SYM</b> .....   <b>GLASS CHIMNEY</b> FOR COL21 AND COL18 MODELS  <input type="checkbox"/> TYPE V <b>GC-V</b> .....   <b>GLASS REFRACTOR</b>  <input type="checkbox"/> TYPE I I I <b>PG - III</b> .....   <input type="checkbox"/> TYPE V <b>PG-V</b> ..... 
<b>NOTES FOR ELECTRONIC BALLASTS:</b> -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC -39W - 175W ARE 120 - 277VOLT -ABOVE 175W ARE 200 - 277VOLT -PSMH ONLY  <b>NOTES:</b> 1 - TUBULAR LAMP, PG218 BASE, -E BALLAST ONLY 2 - TUBULAR LAMP, G12 BASE 3 - FOR PSMH, HOR POSITION LAMP REQUIRED 4 - E39 BASE, HOR POSITION LAMP REQUIRED 5 - PSMH ONLY 6 - -E BALLAST NOT AVAILABLE 7 - N/A for 35HPS and 50HPS 8 - N/A for 35HPS 9 - GX24Q-4 BASE								

# COL-CPA - Clear Patterned Acrylic Enclosure

## LED Order Information



### Optics

#### LED Power Array™



ANGLED POWER ARRAY  
APA





















GLASS REFRACTOR w/  
VERTICAL POWER ARRAY  
GRV



VERTICAL POWER ARRAY  
VPA

### LED

Spec/Order Example: COL21-CPA/GRV-III/80LED CW/3-120/RAL8009/SF

MODEL	OPTICS	LED MODE	MOUNTING	FINISH	OPTIONS	
 <input type="checkbox"/> COL21-CPA	<b>ANGLED POWER ARRAY</b> <input type="checkbox"/> TYPE II <b>APA - II</b> .....  <input type="checkbox"/> TYPE III <b>APA - III</b> .....  <input type="checkbox"/> TYPE IV <b>APA - IV</b> .....  <input type="checkbox"/> TYPE V <b>APA - V</b> ..... 	<b>COL21-CPA</b> <input type="checkbox"/> 80LED <sup>1</sup> (88 Watts) <input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 60LED <sup>1</sup> (66 Watts) <input type="checkbox"/> CW (5000K) <input type="checkbox"/> 240 <input type="checkbox"/> 40LED <sup>1</sup> (44 Watts) <input type="checkbox"/> WW (3000K) <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480 <input type="checkbox"/> 36LED <sup>2</sup> (40 Watts)    OTHER LED COLORS AVAILABLE CONSULT FACTORY <input type="checkbox"/> 24LED <sup>2</sup> (26 Watts)	<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> <small>Refer to Sun Valley Lighting            binder or website section -            Arms/Wall Brackets</small> <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> <small>FOR SMOOTH            FINISH REMOVE            SUFFIX "T"            (EXAMPLE:            RAL-9005)</small>	<input type="checkbox"/> HOUSE SIDE SHIELD ..... <b>HS</b> <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) ..... <b>DIM</b> <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... <b>HLSW</b> <input type="checkbox"/> 10KV SURGE PROTECTOR ..... <b>10SP</b> <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) ..... <b>20SP</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> (COL21 & COL18 Only) <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ..... <b>TPR</b> (COL21 & COL18 Only) <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b> <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b> <input type="checkbox"/> CLEAR SMOOTH POLYCARBONATE DIFFUSER ..... <b>CP</b>	
	 <input type="checkbox"/> COL18-CPA	<b>GLASS REFRACTOR</b> <input type="checkbox"/> TYPE III <b>GRV - III</b> .....  <input type="checkbox"/> TYPE V <b>GRV - V</b> ..... 	<b>COL18-CPA</b> <input type="checkbox"/> 48LED <sup>1</sup> (53 Watts) <input type="checkbox"/> 36LED <sup>2</sup> (40 Watts) <input type="checkbox"/> 32LED <sup>1</sup> (35 Watts) <input type="checkbox"/> 24LED <sup>2</sup> (26 Watts)			
		<b>VERTICAL POWER ARRAY</b> <input type="checkbox"/> TYPE SYMMETRIC* <b>VPA-SYM</b> ..... 	<b>COL12-CPA</b> <input type="checkbox"/> 24LED (26 Watts) <input type="checkbox"/> 12LED (14 Watts)		<b>POST TOP</b> <input type="checkbox"/> PT ..... 	<small>CONSULT FACTORY            FOR CUSTOM COLORS</small>
 <input type="checkbox"/> COL12-CPA	<small>*NOTE:            For Asymmetric distribution, use VPA-SYM            with house side shield option.</small>				<small>CONSULT FACTORY FOR            DIMMING OPTIONS</small>	

# COLB - Clear Flat Glass Lens HID/LED Bollard Order Information



HID/  
LED

Spec/Order Example: COLB1/HR-ASY/70PSMH120/1/RAL7004-T

## Optics

### Horizontal Lamp








SEGMENTED REFLECTOR  
HR

### Enclosed Module



✓LED<sup>®</sup> MODULE  
✓LED<sup>®</sup>

MODEL	OPTICS	LAMP/BALLAST MODE			FINISH	OPTIONS
 <input type="checkbox"/> COLB1	<b>HORIZONTAL LAMP REFLECTOR</b> <small>HID &amp; CFL</small> <input type="checkbox"/> TYPE ASYMMETRIC <b>HR - ASY</b> . . . . .  <input type="checkbox"/> TYPE SYMMETRIC <b>HR - SYM</b> . . . . . 	<input type="checkbox"/> 70 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 50T <sup>2</sup> <input type="checkbox"/> 42 CFL <sup>9</sup> <input type="checkbox"/> 39T <sup>2</sup> PSMH <input type="checkbox"/> 35 HPS	<input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 347	<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"/> HOUSE SIDE SHIELD . . . . . <b>HS</b>  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . . <b>PC+V</b>  <input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . <b>DF</b>
	<input checked="" type="checkbox"/> <b>LED</b> <small>LED</small> <input type="checkbox"/> TYPE ASYMMETRIC <b>VLED - ASY</b> . . . . .  <input type="checkbox"/> TYPE SYMMETRIC <b>VLED - SYM</b> . . . . . 	<input type="checkbox"/> 24LED <small>(28 Watts)</small>	<b>COLOR TEMP - CCT</b> <b>LED</b> <input type="checkbox"/> NW (4000K)* <small>*STANDARD</small> <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<small>FOR SMOOTH FINISH REMOVE SUFFIX 'T' (EXAMPLE: RAL-9005)</small>  <small>CONSULT FACTORY FOR CUSTOM COLORS</small>	

**NOTES FOR ELECTRONIC BALLASTS:**  
 -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC  
 -39W - 175W ARE 120 - 277VOLT  
 -ABOVE 175W ARE 200 - 277VOLT  
 -PSMH ONLY

**NOTES:**  
 1 - TUBULAR LAMP, PGZ18 BASE, -E BALLAST ONLY  
 2 - TUBULAR LAMP, G12 BASE  
 3 - FOR PSMH, HOR POSITION LAMP REQUIRED  
 4 - E39 BASE, HOR POSITION LAMP REQUIRED  
 5 - PSMH ONLY  
 6 - E BALLAST NOT AVAILABLE  
 7 - N/A for 35HPS and 50HPS  
 8 - N/A for 35HPS  
 9 - GX24Q-4 BASE

# COLB-WA - Opal White Acrylic Diffuser

## HID/LED Bollard Order Information



HID/  
LED

Spec/Order Example: COLB1-WA/VL-SYM/50PSMH277/RAL-9005-T

### Optics

#### Vertical Lamp






VERTICAL BARE LAMP OPTIC  
VL

#### LED POWER ARRAY™



VERTICAL POWER ARRAY  
VPA

MODEL	OPTICS	LAMP/BALLAST MODE			FINISH	OPTIONS
 <input type="checkbox"/> COLB1-WA	<b>HORIZONTAL SEGMENTED REFLECTOR</b> <small>HID &amp; CFL</small> <input type="checkbox"/> TYPE SYMMETRIC VL - SYM. . . . . 	<b>WATTS</b> <input type="checkbox"/> 70 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 50T <sup>2</sup> <input type="checkbox"/> 42 CFL <sup>o</sup> <input type="checkbox"/> 39T <sup>2</sup> PSMH <input type="checkbox"/> 35 HPS	<b>TYPE</b> <b>HID</b> <input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<b>VOLTAGE</b> <input type="checkbox"/> 120 <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 347	<b>STANDARD TEXTURED FINISH</b> <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	<input type="checkbox"/> HOUSE SIDE SHIELD . . . . . <b>HS</b> <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) . . . . . <b>DIM</b> <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b> <input type="checkbox"/> 10KV SURGE PROTECTOR . . . . . <b>10SP</b> <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) . . . . . <b>20SP</b> <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . . <b>PC+V</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 POLYCARBONATE DIFFUSER . . . . . <b>WP</b>
	<b>VERTICAL POWER ARRAY</b> <small>LED</small> <input type="checkbox"/> TYPE SYMMETRIC VPA - SYM. . . . . 	<b>No. LEDs</b> <input type="checkbox"/> 24LED (28 Watts) <input type="checkbox"/> 12LED (14 Watts)	<b>COLOR TEMP - CCT</b> <b>LED</b> <input type="checkbox"/> NW (4000K)* <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<b>VOLTAGE</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	<small>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</small>	<small>OTHER LED COLORS AVAILABLE CONSULT FACTORY</small>

COLB2-WA

CONSULT FACTORY FOR DIMMING OPTIONS

# COLB-CPA - Clear Patterned Acrylic Enclosure HID/LED Bollard Order Information



HID/  
LED

Spec/Order Example: COLB2-CPA/VPA-SYM/24LED-NW/277/RAL-9003-T

## Optics

Horizontal Lamp

Vertical Lamp



SEGMENTED REFLECTOR  
HR










GLASS REFRACTOR  
PG

## LED POWER ARRAY™



VERTICAL POWER ARRAY  
VPA

MODEL	OPTICS	LAMP/BALLAST MODE	FINISH	OPTIONS
 <input type="checkbox"/> COLB1-CPA   <input type="checkbox"/> COLB2-CPA	<b>HORIZONTAL SEGMENTED REFLECTOR</b> HID & CFL <input type="checkbox"/> TYPE ASYMMETRIC <b>HR - ASY</b> . . . . .  <input type="checkbox"/> TYPE SYMMETRIC <b>HR - SYM</b> . . . . .   <b>GLASS REFRACTOR</b> HID & CFL <input type="checkbox"/> TYPE III <b>PG - III</b> . . . . .  <input type="checkbox"/> TYPE V <b>PG-V</b> . . . . . 	<b>WATTS</b> <input type="checkbox"/> 70 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 50T <sup>2</sup> <input type="checkbox"/> 42 CFL <sup>9</sup> <input type="checkbox"/> 39T <sup>2</sup> PSMH <input type="checkbox"/> 35 HPS  <b>TYPE</b> HID <input type="checkbox"/> PSMH <input type="checkbox"/> HPS  <b>VOLTAGE</b> <input type="checkbox"/> 120 <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 347  <b>NOTES FOR ELECTRONIC BALLASTS:</b> -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC -39W - 175W ARE 120 - 277VOLT -ABOVE 175W ARE 200 - 277VOLT -PSMH ONLY  <b>NOTES:</b> 1 - TUBULAR LAMP, PG218 BASE, -E BALLAST ONLY 2 - TUBULAR LAMP, G12 BASE 3 - FOR PSMH, HOR POSITION LAMP REQUIRED 4 - E39 BASE, HOR POSITION LAMP REQUIRED 5 - PSMH ONLY 6 - -E BALLAST NOT AVAILABLE 7 - N/A for 35HPS and 50HPS 8 - N/A for 35HPS 9 - GX24Q-4 BASE	<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 FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)	<input type="checkbox"/> HOUSE SIDE SHIELD . . . . . <b>HS</b>  <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) . . . . . <b>DIM</b>  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR . . . . . <b>HLSW</b>  <input type="checkbox"/> 10KV SURGE PROTECTOR . . . . . <b>10SP</b>  <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) . . . . . <b>20SP</b>  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . . <b>PC+V</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 SMOOTH POLYCARBONATE DIFFUSER . . . . . <b>CP</b>
	<b>VERTICAL POWER ARRAY</b> LED <input type="checkbox"/> TYPE SYMMETRIC* <b>VPA-SYM</b> . . . . .   <b>*NOTE:</b> For Asymmetric distribution, use VPA-SYM with house side shield option.	<b>No. LEDs</b> <input type="checkbox"/> 24LED (28 Watts) <input type="checkbox"/> 12LED (14 Watts)  <b>COLOR TEMP - CCT</b> LED <input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)  OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	

CONSULT FACTORY FOR DIMMING OPTIONS



# Sun Valley Literature Reference

Technical Information and Related Products

## VLED Optics

LED's offer several inherent advantages for Outdoor Illumination due to their size, longevity, and energy saving potential. Within a system, LED's can surpass many of the shortcomings of HID-based systems in uniformity, glare control, and full-spectrum light output. Specialized optics that "vector" the LED's raw light output, careful control of the LED operating temperature, and a mechanical enclosure that will protect the LED's over their lifetime are all part of the VLED Optical Modules.



## LED Power Array™

The LED Power Array™ allows you to control the energy saving light source with one of the most flexible optical systems ever created to harness the LED. Capable of being configured to produce specific distribution patterns or used as the illumination engine behind precision refractors, Sun Valley's LED Power Array™ is THE robust solution for bringing the benefits of LED's to traditional luminaires.



## DS Series

The DS Series is the epitome of the "Knob and Shade" style luminaire. The bold aesthetic elements, from the variety of shade styles to the decorative luminous treatments, allow the DS Series to be configured to match any architectural context. Additionally, a wide selection of optical approaches provide the lighting professional with the tools to address environments that demand performance driven light levels or that require soft, decorative illumination.



# Colonial Lantern™

MADE IN THE  
**USA**



**SUN VALLEY**  
LIGHTING

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