

SOLID STATE AREA LIGHTING

MOZART SERIES-LED

S P E C I F I C A T I O N S

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. Driver/wiring access through top of Mounting Hub. Hub accommodates a 2 7/8" x 3" tenon. All exposed hardware is stainless steel.

LED OPTICAL MODULE

Low copper A356 alloy (< 0.2% 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. Reflector-Prism 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.

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.

AMBER LED'S

PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

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.

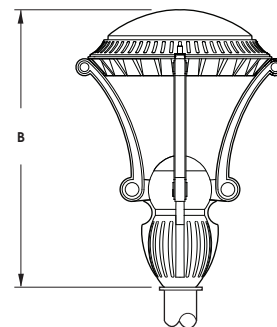
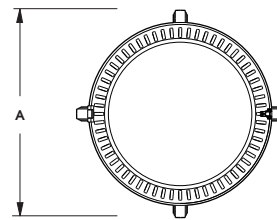
PROJECT NAME: _____

FIXTURE TYPE: _____



MOZ-LED

PATENT PENDING



Fitter supplied to fit over 2 7/8" X 3"
(73mm X 76mm) tenon.

FIXTURE	A	B
MOZ26	26" 660mm	34.5" 876mm
MOZ20	20" 508mm	26.5" 673mm



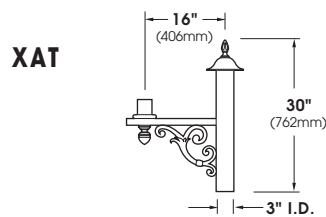
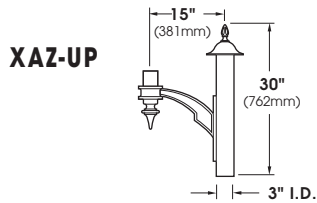
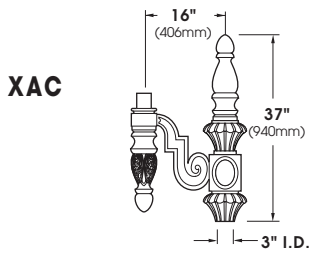
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MOZART SERIES - LED

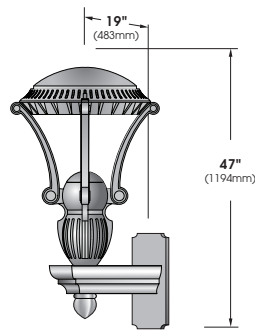
SPECIFICATIONS

ARM STYLES

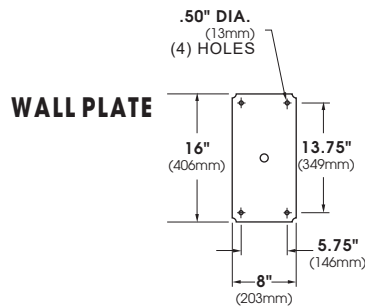


ARMS ARE HEAVY WALL EXTRUDED AND CAST ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

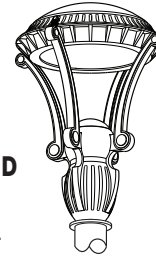
WALL MOUNT



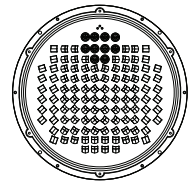
ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION. (XBW-WM SHOWN)



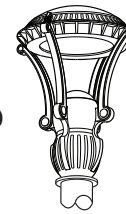
VLED® MODULES



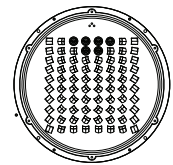
MOZ26-LED
E.P.A. = 2.30
Available in:
120 LED Max.



120 LED Module



MOZ20-LED
E.P.A. = 1.49
Available in:
80 LED Max.



80 LED Module

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
100	350mA	109	175w	9,061
120	350mA	130	200 - 250w	10,873

Spec/Order Example: MOZ26-LED/VLED-III/64LED-700mA/NW/277/PT/RAL-9003-S/HS-VLED

SPEC / ORDERING INFORMATION

MODEL	OPTICS	LED MODE	VOLTAGE	MOUNTING	FINISH	OPTIONS		
<input type="checkbox"/> MOZ26-LED	VLED® IES DISTRIBUTION TYPE <input type="checkbox"/> TYPE II VLED - II <input type="checkbox"/> TYPE III VLED - III <input type="checkbox"/> TYPE IV VLED - IV <input type="checkbox"/> TYPE V-SQ VL ED- V-SQ	MOZ26 <input type="checkbox"/> 120LED <input type="checkbox"/> 100LED <input type="checkbox"/> 80LED <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED	<input type="checkbox"/> 350mA <input type="checkbox"/> 525mA ¹ <input type="checkbox"/> 700mA ^{2,3}	<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	ARM MOUNT <input type="checkbox"/> XXX/1 <input type="checkbox"/> XXX/2-180 <input type="checkbox"/> XXX/2-90 <input type="checkbox"/> XXX/3-90 <input type="checkbox"/> XXX/3-120 <input type="checkbox"/> XXX/4-90 (XXX = Arm Model # Ex = XBW-2180/RAL-9005-T) POST TOP MOUNT (STANDARD 2 1/2" x 3" TENON) <input type="checkbox"/> PT WALL MOUNT <input type="checkbox"/> WM	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 FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S) SEE USALGT.COM FOR ADDITIONAL COLORS	<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 PHOTOCCELL RECEPTACLE ONLY TPR CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)
<input type="checkbox"/> MOZ20LED		MOZ20 <input type="checkbox"/> 80LED <input type="checkbox"/> 64LED <input type="checkbox"/> 48LED	<input type="checkbox"/> PHOSPHOR CONVERTED AMBER PCA <input type="checkbox"/> TRUE AMBER ⁵ TRA	AMBER⁴ NOTES: 1 - 80LED, 64LED & 48LED ONLY 2 - 64LED & 48LED ONLY 3 - NOT FOR USE WITH TRA LED'S 4 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT 5 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY				



MOZART SERIES - LED

LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
48	LED	48 VLED® Optical Module - 350mA	4,241 -	3,731 -	4,337 -	60,000+	-20°F	55	120	0.46
			4,760	4,187	4,868				277	0.20
									347	0.16
48	LED	48 VLED® Optical Module - 525mA	5,871 -	5,152 -	6,009 -	60,000+	-20°F	79	120	0.66
			6,557	5,755	6,711				277	0.29
									347	0.23
48	LED	48 VLED® Optical Module - 700mA	7,515 -	6,579 -	7,696 -	60,000+	-20°F	109	120	0.91
			8,131	7,119	8,327				277	0.40
									347	0.32
64	LED	64 VLED® Optical Module - 350mA	5,255 -	4,623 -	5,373 -	60,000+	-20°F	70	120	0.59
			5,898	5,189	6,031				277	0.26
									347	0.21
64	LED	64 VLED® Optical Module - 525mA	7,393 -	6,488 -	7,566 -	60,000+	-20°F	108	120	0.90
			8,257	7,246	8,451				277	0.39
									347	0.32
64	LED	64 VLED® Optical Module - 700mA	9,927 -	8,691 -	10,166 -	60,000+	-20°F	134	120	1.12
			10,405	9,110	10,655				277	0.49
									347	0.39
80	LED	80 VLED® Optical Module - 350mA	7,131 -	6,273 -	7,292 -	60,000+	-20°F	85	120	0.77
			7,452	6,556	7,620				277	0.31
									347	0.25
80	LED	80 VLED® Optical Module - 525mA	9,994 -	8,770 -	10,228 -	60,000+	-20°F	130	120	1.09
			10,444	9,166	10,689				277	0.47
									347	0.38
100	LED	100 VLED® Optical Module - 350mA	8,862 -	7,796 -	9,062 -	60,000+	-20°F	109	120	0.91
			9,260	8,146	9,469				277	0.40
									347	0.32
120	LED	120 VLED® Optical Module - 350mA	10,634 -	9,355 -	10,874 -	60,000+	-20°F	130	120	1.09
			11,112	9,776	11,363				277	0.47
									347	0.38

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA

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.



SOLID STATE AREA LIGHTING

MOZART-WA SERIES-LED

S P E C I F I C A T I O N S

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 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 2 7/8" x 3" tenon. All exposed hardware is stainless steel.

LED POWER ARRAY™

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.

VERTICAL POWER ARRAY™: 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.

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 525mA. 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 120-277VAC, 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.

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.

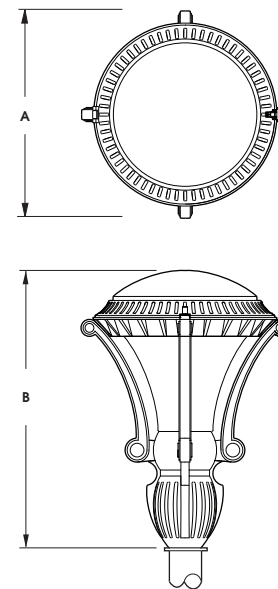
PROJECT NAME: _____

FIXTURE TYPE: _____



MOZ-WA-LED

PATENT PENDING



Fitter supplied to fit over 2 7/8" X 3"
(73mm X 76mm) tenon.

FIXTURE	A	B
MOZ26-WA	26" 660mm	34.5" 876mm
MOZ20-WA	20" 508mm	26.5" 673mm



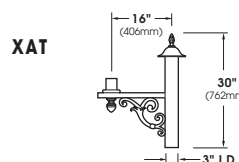
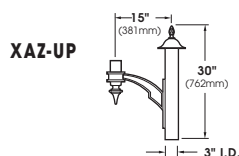
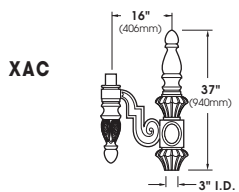
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MOZART-WA SERIES - LED

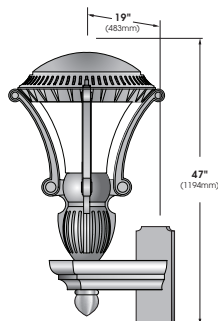
S P E C I F I C A T I O N S

ARM STYLES

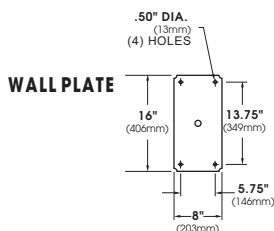


ARMS ARE HEAVY WALL EXTRUDED AND CAST ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

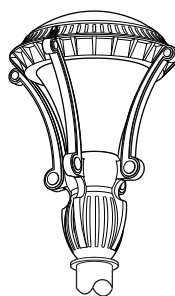
WALL MOUNT



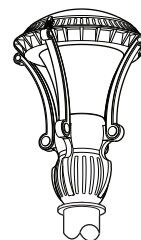
ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.



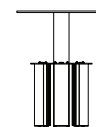
LED POWER ARRAY™ MODULE



MOZ26-WA-LED
E.P.A. = 2.27
VERTICAL ARRAY
Available in:
80 LED Max.



MOZ20-WA-LED
E.P.A. = 1.48
VERTICAL ARRAY
Available in:
48 LED Max.



VPA - Vertical Array
Top Mount

Spec/Order Example: MOZ20-WA-LED/VPA-SYM/36LED-525mA/WW/277/PT/RAL-9005-T

S P E C / O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS	
<input type="checkbox"/> MOZ26-WA-LED	<input type="checkbox"/> SYMMETRIC TYPE - V VPA-SYM	MOZ26-WA	<input type="checkbox"/> 350mA	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> XXX/1 (TYP.) ● <input type="checkbox"/> XXX/2-180 (TYP.) . . . ●● <input type="checkbox"/> XXX/2-90 (TYP.) . . . ●● <input type="checkbox"/> XXX/3-90 (TYP.) . . . ●●● <input type="checkbox"/> XXX/3-120 (TYP.) . . . ●●● <input type="checkbox"/> XXX/4-90 (TYP.) . . . ●●●● <small>(XXX = Arm Model # Ex = XBW-2-180/RAL-9005-T)</small> POST TOP MOUNT (STANDARD 2 1/2" x 3" TENON) <input type="checkbox"/> PT ● WALL MOUNT <input type="checkbox"/> WM ●	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7 <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) . . HS <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 PHOTOCCELL RECEPTACLE ONLY . . . TPR <input type="checkbox"/> SINGLE FUSE (120V, 277V) SF <input type="checkbox"/> DOUBLE FUSE (208V, 240V) DF CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 50/100)	
<input type="checkbox"/> MOZ20-WA-LED		MOZ20-WA	<input type="checkbox"/> 525mA	<input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) OTHER LED COLORS AVAILABLE CONSULT FACTORY		<input type="checkbox"/> WHITE RAL-9003-T		
				<input type="checkbox"/> VOLTAGE	<input type="checkbox"/> GREY RAL-7004-T			
				<input type="checkbox"/> 120	<input type="checkbox"/> DARK BRONZE RAL-8019-T			
				<input type="checkbox"/> 208	<input type="checkbox"/> GREEN RAL-6005-T			
				<input type="checkbox"/> 240	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)			
				<input type="checkbox"/> 277	SEE USALTG.COM FOR ADDITIONAL COLORS			
				<input type="checkbox"/> 347				
				<input type="checkbox"/> 480				



MOZART-WA SERIES - VPA LED

LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 VPA LED Power Array - 350mA	2,453	2,158	2,508	60,000+	-20°F	37	120 277 347	0.23 0.10 < 0.10
24	LED	24 VPA LED Power Array - 525mA	3,434	3,021	3,511	60,000+	-20°F	55	120 277 347	0.34 0.15 0.12
32	LED	32 VPA LED Power Array - 350mA	3,271	2,877	3,344	60,000+	-20°F	45	120 277 347	0.30 0.13 0.11
32	LED	32 VPA LED Power Array - 525mA	4,579	4,028	4,682	60,000+	-20°F	66	120 277 347	0.45 0.20 0.16
36	LED	36 VPA LED Power Array - 350mA	3,679	3,236	3,762	60,000+	-20°F	54	120 277 347	0.35 0.15 0.12
36	LED	36 VPA LED Power Array - 525mA	5,151	4,531	5,267	60,000+	-20°F	79	120 277 347	0.51 0.23 0.18
48	LED	48 VPA LED Power Array - 350mA	4,906	4,316	5,017	60,000+	-20°F	67	120 277 347	0.45 0.20 0.16
48	LED	48 VPA LED Power Array - 525mA	6,868	6,042	7,023	60,000+	-20°F	98	120 277 347	0.66 0.29 0.23
64	LED	64 VPA LED Power Array - 350mA	6,541	5,754	6,689	60,000+	-20°F	89	120 277 347	0.60 0.26 0.21
64	LED	64 VPA LED Power Array - 525mA	9,157	8,056	9,364	60,000+	-20°F	131	120 277 347	0.88 0.38 0.31

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA

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.



SOLID STATE AREA LIGHTING

MOZART-CPA SERIES-LED

S P E C I F I C A T I O N S

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. Clear Patterned Acrylic enclosure 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 2 7/8" x 3" tenon. All exposed hardware is stainless steel.

LED POWER ARRAY™

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™: 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™: 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.

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 525mA. 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 120-277VAC, 50/60hz. 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.

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.

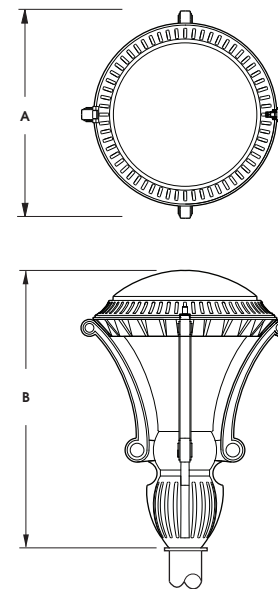
PROJECT NAME: _____

FIXTURE TYPE: _____



MOZ-CPA-LED

PATENT PENDING



Fitter supplied to fit over 2 7/8" X 3"
(73mm X 76mm) tenon.

FIXTURE	A	B
MOZ26-CPA	26" 660mm	34.5" 876mm
MOZ20-CPA	20" 508mm	26.5" 673mm



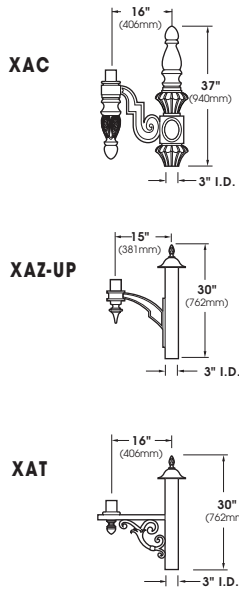
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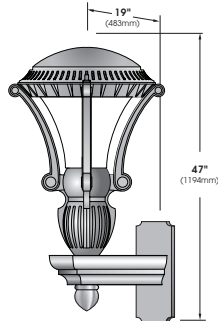
MOZART-CPA SERIES - LED

SPECIFICATIONS

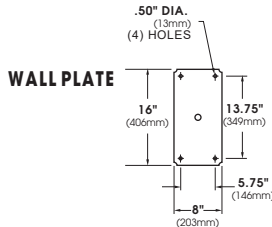
ARM STYLES



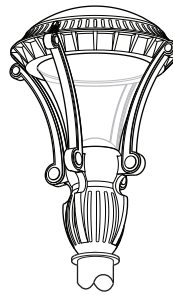
WALL MOUNT



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.



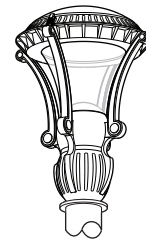
LED POWER ARRAY™ MODULES



MOZ26-CPA-LED
E.P.A. = 2.27

ANGLED POWER ARRAY
Available in:
80 LED Max.

VERTICAL ARRAY
Available in:
80 LED Max.



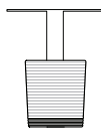
MOZ20-CPA-LED
E.P.A. = 1.48

ANGLED POWER ARRAY
Available in:
48 LED Max.

VERTICAL ARRAY
Available in:
48 LED Max.



APA - Angled Array
Top Mount



GRV - Glass Refractor
w/ Vertical Array
Top mount

ARMS ARE HEAVY WALL EXTRUDED AND CAST ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM AND/OR WALL MOUNT OPTIONS SEE ARM SECTION.

Spec/Order Example: MOZ20-CPA-LED/GRV-III/48LED-525mA/WW/120/PT/RAL-9005

SPEC / ORDERING INFORMATION

LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS	
<input type="checkbox"/> MOZ26-CPA-LED	<input type="checkbox"/> TYPE - II APA - II	<input type="checkbox"/> 80LED <input type="checkbox"/> 60LED <input type="checkbox"/> 40LED	<input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> XXX/1 (TYP.) ● <input type="checkbox"/> XXX/2-180 (TYP.) ●● <input type="checkbox"/> XXX/2-90 (TYP.) ●● <input type="checkbox"/> XXX/3-90 (TYP.) ●●● <input type="checkbox"/> XXX/3-120 (TYP.) ●●● <input type="checkbox"/> XXX/4-90 (TYP.) ●●●● (XXX = Arm Model # Ex = XBW-2-180/RAL-9005-T)	<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"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7 <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) HS <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 PHOTOCCELL RECEPTACLE ONLY TPR	
	<input type="checkbox"/> TYPE - III APA - III	<input type="checkbox"/> 36LED <input type="checkbox"/> 24LED	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> PT ●				<input type="checkbox"/> GREEN RAL-6005-T
<input type="checkbox"/> MOZ20-CPA-LED	<input type="checkbox"/> TYPE - IV APA - IV	GRV MODELS <input type="checkbox"/> 36LED <input type="checkbox"/> 24LED	<input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> XXX/1 (TYP.) ● <input type="checkbox"/> XXX/2-180 (TYP.) ●● <input type="checkbox"/> XXX/2-90 (TYP.) ●● <input type="checkbox"/> XXX/3-90 (TYP.) ●●● <input type="checkbox"/> XXX/3-120 (TYP.) ●●● <input type="checkbox"/> XXX/4-90 (TYP.) ●●●● (XXX = Arm Model # Ex = XBW-2-180/RAL-9005-T)	<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"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7 <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) HS <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 PHOTOCCELL RECEPTACLE ONLY TPR	
	<input type="checkbox"/> TYPE - V APA - V	GRV MODELS <input type="checkbox"/> 36LED <input type="checkbox"/> 24LED	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> WM ●				<input type="checkbox"/> GREEN RAL-6005-T
	GLASS REFRACTOR <input type="checkbox"/> TYPE - III GRV - III	MOZ20-CPA APA MODELS <input type="checkbox"/> 48LED <input type="checkbox"/> 32LED	<input type="checkbox"/> 350mA <input type="checkbox"/> 525mA	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> XXX/1 (TYP.) ● <input type="checkbox"/> XXX/2-180 (TYP.) ●● <input type="checkbox"/> XXX/2-90 (TYP.) ●● <input type="checkbox"/> XXX/3-90 (TYP.) ●●● <input type="checkbox"/> XXX/3-120 (TYP.) ●●● <input type="checkbox"/> XXX/4-90 (TYP.) ●●●● (XXX = Arm Model # Ex = XBW-2-180/RAL-9005-T)	<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"/> 7-PIN TWIST LOCK RECEPTACLE ONLY (ANSI C136.41) TPR7 <input type="checkbox"/> HOUSE SIDE SHIELDS (STANDARD 180° SHIELD) HS <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 PHOTOCCELL RECEPTACLE ONLY TPR	
<input type="checkbox"/> TYPE - V GRV - V	GRV MODELS <input type="checkbox"/> 36LED <input type="checkbox"/> 24LED	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)	<input type="checkbox"/> WM ●	<input type="checkbox"/> GREEN RAL-6005-T				<input type="checkbox"/> SINGLE FUSE (120V, 277V) SF <input type="checkbox"/> DOUBLE FUSE (208V, 240V) DF



MOZART-CPA SERIES - APA LED

LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
32	LED	32 APA LED Power Array - 350mA	2,343 - 2,396	2,061 - 2,108	2,396 - 2,450	60,000+	-20°F	37	120 277 347	0.31 0.14 0.11
32	LED	32 APA LED Power Array - 525mA	3,280 - 3,354	2,886 - 2,951	3,354 - 3,430	60,000+	-20°F	55	120 277 347	0.46 0.20 0.16
40	LED	32 APA LED Power Array - 350mA	3,469 - 3,771	3,052 - 3,317	3,457 - 3,856	60,000+	-20°F	45	120 277 347	0.38 0.17 0.13
40	LED	32 APA LED Power Array - 525mA	4,856 - 5,279	4,272 - 4,644	4,966 - 5,398	60,000+	-20°F	66	120 277 347	0.55 0.24 0.20
48	LED	32 APA LED Power Array - 350mA	3,515 - 3,594	3,092 - 3,162	3,594 - 3,675	60,000+	-20°F	54	120 277 347	0.45 0.20 0.16
48	LED	32 APA LED Power Array - 525mA	4,921 - 5,032	4,329 - 4,426	5,032 - 5,145	60,000+	-20°F	79	120 277 347	0.66 0.29 0.23
60	LED	32 APA LED Power Array - 350mA	5,203 - 5,656	4,577 - 4,975	5,321 - 5,783	60,000+	-20°F	67	120 277 347	0.56 0.25 0.20
60	LED	32 APA LED Power Array - 525mA	7,285 - 7,918	6,408 - 6,966	7,449 - 8,097	60,000+	-20°F	98	120 277 347	0.82 0.36 0.29
80	LED	32 APA LED Power Array - 350mA	6,938 - 7,541	6,103 - 6,634	7,094 - 7,711	60,000+	-20°F	89	120 277 347	0.75 0.33 0.26
80	LED	32 APA LED Power Array - 525mA	9,713 - 10,557	8,544 - 9,287	9,932 - 10,796	60,000+	-20°F	131	120 277 347	1.10 0.48 0.38

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA

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.



MOZART-CPA SERIES - GRV LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
24	LED	24 GRV/VPA LED Power Array - 350mA	1,922 -	1,687 -	1,967 -	60,000+	-20°F	26	120	0.22
			1,966	1,726	2,012				277	0.10
									347	0.08
24	LED	24 GRV/VPA LED Power Array - 525mA	2,787 -	2,446 -	2,853 -	60,000+	-20°F	39	120	0.33
			2,852	2,503	2,919				277	0.15
									347	0.12
36	LED	36 GRV/VPA LED Power Array - 350mA	2,883 -	2,531 -	2,951 -	60,000+	-20°F	39	120	0.33
			2,949	2,589	3,019				277	0.15
									347	0.12
36	LED	36 GRV/VPA LED Power Array - 525mA	4,180 -	3,669 -	4,278 -	60,000+	-20°F	59	120	0.50
			4,278	3,755	4,379				277	0.22
									347	0.18

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA

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.

