

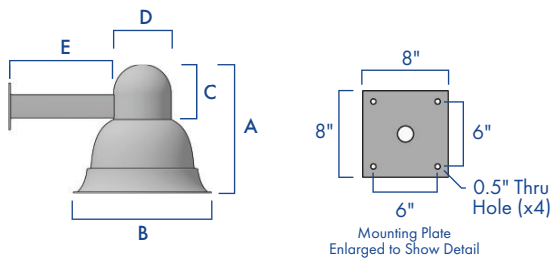


Standard -WM shown

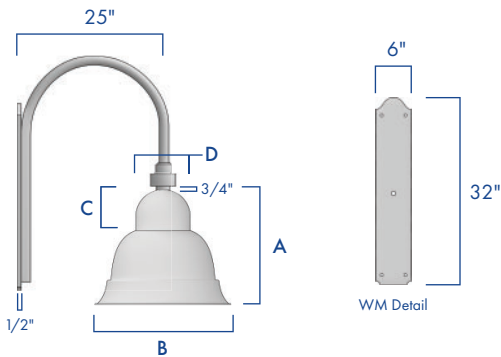


-SHA shown

DIMENSIONS



Standard ENV1-WM Shown



ENV1-SHA Shown

FIXTURE	A	B	C	D	E
ENV1	23"	24"	9"	9.5"	24"
ENV2	21"	20"	7"	7"	18"

LUMINAIRE HOUSING

Driver Compartment – Heavy gauge (.125") spun aluminum upper compartment. LED driver is barriered from the Optical Compartment. Pendant Mounted models have the anchor section of the AVPL Swivel Aligner welded to top of compartment and wiring access is through the Swivel Aligner. The leveler section of the Swivel Aligner mounts to the arm. Arm Mounted models are welded to the arm in the vertical middle to the side of the compartment and wiring access is through the side. All hardware is stainless steel.

Optical Compartment – Heavy gauge (.125") spun aluminum lower compartment/shade with Optical plate mounting provision and reinforced lower edge. Top Driver compartment is barriered from Optical Compartment. All hardware is stainless steel.

LED EMITTERS & OPTICS

Optical plate of .125" sheet aluminum (alloy 6063; $\geq -1\% \text{ Cu}$) provides mounting surface for the 4-Squared Optics. Internally, extruded aluminum heatsinks are located behind each optic. Optical plate is recessed to shield the 4-Squared optics against uplight providing a U0 B-U-G rating. The 4-Squared emitters have 4 emitters per die with 4 dies per Optic allowing 16 emitters per 4-Squared Optic. Emitters are $>70\text{CRI}$.

LumenUs silicone lens material is heat resistant to 200°C and retains 96% optical clarity. Silicone material is flexible making it impact resistant. Each LumenUs silicone lens covers 4 emitter dies and seals each optic to meet an IP67 rating. The optical system produces standard site/area distributions and are field replaceable and rotatable in 90° increments. All hardware is stainless steel.

DRIVER & ELECTRICAL

Driver(s) are constant current electronic with a minimum operating temperature of $-40^{\circ}\text{F}/-40^{\circ}\text{C}$. Driver(s) is/are UL and cUL recognized and have a power factor of $>.90$.

Drivers accept an input voltage of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. (0 - 10V dimming is standard). A separate 20KV surge suppressor is installed on the incoming power side of the driver assembly.

COLOR & FINISH

Super TGIC thermoset polyester powder coat paint, 2.5 mil minimum thickness, is applied over a 5-step pretreatment cleaning and sealing process. Super TGIC powder coat paint is cured at a minimum of 400°F for 30 minutes. Standard colors are Dark Bronze, Black, Green, Gray - ANSI 70, and White.

CERTIFICATIONS & STANDARDS

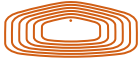


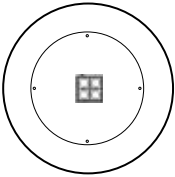
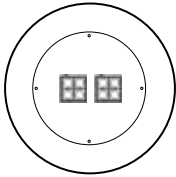
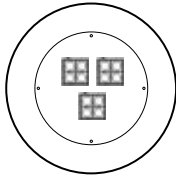
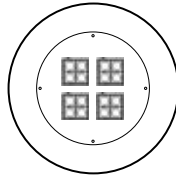




Project Name: _____

Type: _____

Specification/Order: _____

LUMINAIRE SIZE	ENV1-WM <input type="checkbox"/>	ENV2-WM <input type="checkbox"/>			
DISTRIBUTIONS	 TYPE II T2 <input type="checkbox"/>	 TYPE III T3 <input type="checkbox"/>	 TYPE IV T4 <input type="checkbox"/>		
4-SQUARED LED OPTICS 4Q1 = 16 LED 4Q2 = 32 LED 4Q3 = 48 LED 4Q4 = 64 LED	 ENV1-WM; ENV2-WM	 ENV1-WM; ENV2-WM	 ENV1-WM	 ENV1-WM	
DRIVE CURRENT 70 = 700mA 105 = 1050mA	4Q1-70 <input type="checkbox"/> 4Q1-105 <input type="checkbox"/>	4Q2-70 <input type="checkbox"/> 4Q2-105 <input type="checkbox"/>	4Q3-70 <input type="checkbox"/> 4Q3-105 <input type="checkbox"/>	4Q4-70 <input type="checkbox"/> 4Q4-105 <input type="checkbox"/>	
LED COLOR TEMPERATURE 70CRI Standard	3000K CCT Warm White <input type="checkbox"/>	4000K CCT Neutral White <input type="checkbox"/>	5000K CCT Cool White <input type="checkbox"/>		
VOLTAGE Drivers used are voltage sensing	120 <input type="checkbox"/> 208 <input type="checkbox"/>	240 <input type="checkbox"/> 277 <input type="checkbox"/>	347 <input type="checkbox"/> 480 <input type="checkbox"/>	120-277* <input type="checkbox"/> 347-480* <input type="checkbox"/>	
(* 120-277V and 347-480V are voltage and frequency (50-60HZ) sensing)					
FINISH COLOR Super TGIC Polyester Powder Coat Paint	DBZ <input type="checkbox"/> Dark Bronze BLK <input type="checkbox"/> Black	WHT <input type="checkbox"/> White GRN <input type="checkbox"/> Green	GRY <input type="checkbox"/> Gray - ANSI 70 CC <input type="checkbox"/> Custom Color - Define	All RAL colors are available	
OPTION: HOUSE SIDE SHIELDS	HSS1 <input type="checkbox"/>	HSS3 <input type="checkbox"/>	HSS2 <input type="checkbox"/>	HSS4 <input type="checkbox"/>	
(* 120-277V and 347-480V are voltage and frequency (50-60HZ) sensing)					















Spec/Order Configuration



Project Name: _____

Type: _____

Specification/Order: _____

<p>OPTION: PHOTOCELL, MOTION SENSOR</p>	<p>PC-X Button Style 1 Photocell (X = Specify voltage)</p> <input type="checkbox"/>	<p>PCR7 7-Pin Twistlock Receptacle with Shorting Cap ANSI 136.41</p> <input type="checkbox"/>	<p>FSP-311 Photocell/Motion Sensor Combo (Programmable via Bluetooth)</p> <input type="checkbox"/>	
<p>Use of the PCR7 option requires an accessory mounting component on pole or arm FSP-311 option mounts to the Optical Plate</p>				
<p>OPTION: FUSING</p>	<p>SF Single Fusing 120V, 277V, 347V</p> <input type="checkbox"/>	<p>DF Double Fusing 208V, 240V, 480V</p> <input type="checkbox"/>		
<p>OPTION: SUGGESTED ARMS</p>	<p>-WM Standard Wall Mount</p>  <input type="checkbox"/>	<p>AV-A</p>  <input type="checkbox"/>	<p>DAMA</p>  <input type="checkbox"/>	<p>SHA</p>  <input type="checkbox"/>
	<p>SHA-CB</p>  <input type="checkbox"/>	<p>SHA-CC</p>  <input type="checkbox"/>	<p>SHA-CS</p>  <input type="checkbox"/>	<p>SS-PM-S</p>  <input type="checkbox"/>
	<p>SWA</p>  <input type="checkbox"/>	<p>BXC</p>  <input type="checkbox"/>	<p>PY-PM</p>  <input type="checkbox"/>	<p>SS-PM</p>  <input type="checkbox"/>
<p>Add arm E.P.A. values to luminaire for total E.P. A. For additional arm styles, go to www.avpolesandlighting.com/product-arms.php</p>				
<p>OPTION: DECORATIVE RINGS</p>	<p>No Rings</p>  <input type="checkbox"/>	<p>With Rings</p>  <input type="checkbox"/>		

CCT	LED Optic	Drive Current	Type II	Type III	Type IV	Watts	Volts	Amps
3000K	4Q1 - 16 LED	700mA	4169 lm	4295 lm	4129 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8338 lm	8591 lm	8257 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	12507 lm	12886 lm	12386 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	16676 lm	17181 lm	16514 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	5670 lm	5842 lm	5615 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	11340 lm	11683 lm	11230 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
4Q3 - 48 LED	1050mA	17010 lm	17525 lm	16844 lm	165	120	1.38	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60	
4Q4 - 64 LED	1050mA	22680 lm	23367 lm	22459 lm	220	120	1.84	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80	
4000K	4Q1 - 16 LED	700mA	4424 lm	4558 lm	4381 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8848 lm	9116 lm	8762 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	13272 lm	13674 lm	13143 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	17696 lm	18232 lm	17524 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	6017 lm	6199 lm	5958 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	12033 lm	12398 lm	11916 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
4Q3 - 48 LED	1050mA	18050 lm	18597 lm	17874 lm	165	120	1.38	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60	
4Q4 - 64 LED	1050mA	24067 lm	24796 lm	23833 lm	220	120	1.84	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80	
5000K	4Q1 - 16 LED	700mA	4496 lm	4632 lm	4452 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8992 lm	9264 lm	8904 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	13487 lm	13896 lm	13356 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	17983 lm	18528 lm	17808 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	6114 lm	6300 lm	6055 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	12229 lm	12599 lm	12110 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
4Q3 - 48 LED	1050mA	18343 lm	18899 lm	18165 lm	165	120	1.38	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60	
4Q4 - 64 LED	1050mA	24457 lm	25198 lm	24220 lm	220	120	1.84	
B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80	