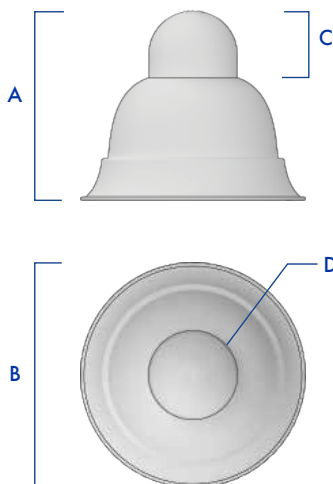




DIMENSIONS



FIXTURE	A	B	C	D
ENV1	21.5"	24"	9"	9.5"
ENV2	19"	20"	7"	7"

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: _____

MOUNTING CONFIGURATIONS

Note: E.P.A. values
do not include arm
E.P.A. values

1
ENV1P or A: EPA = 1.4
ENV2P or A: EPA = 0.9



2-180
ENV1P or A: EPA = 2.8
ENV2P or A: EPA = 1.8



3-120
ENV1P or A: EPA = 4.2
ENV2P or A: EPA = 2.7



4-90
ENV1P or A: EPA = 4.9
ENV2P or A: EPA = 3.3



2-90
ENV1P or A: EPA = 2.8
ENV2P or A: EPA = 1.8



3-90
ENV1P or A: EPA = 4.2
ENV2P or A: EPA = 2.7



Note: 3-120 mounting requires a round pole or tenon mount option

LUMINAIRE SIZE

ENV1A



ENV1P



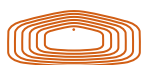
ENV2A



ENV2P



DISTRIBUTIONS



TYPE II



TYPE III



TYPE IV

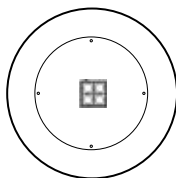


TYPE V

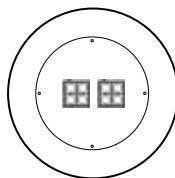


4-SQUARED LED OPTICS

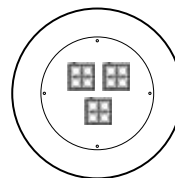
4Q1 = 16 LED
4Q2 = 32 LED
4Q3 = 48 LED
4Q4 = 64 LED



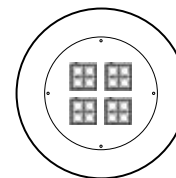
ENV1P or A;
ENV2P or A



ENV1P or A;
ENV2P or A



ENV1P or A



ENV1P or A

DRIVE CURRENT

70 = 700mA
105 = 1050mA

4Q1-70



4Q1-105



4Q2-70



4Q2-105



4Q3-70



4Q3-105



4Q4-70



4Q4-105



LED COLOR TEMPERATURE

70CRI Standard

3000K CCT
Warm White



4000K CCT
Neutral White



5000K CCT
Cool White



VOLTAGE

Drivers used are
voltage sensing

120



208



240



277



347



480



120-277*



347-480*



(* 120-277V and 347-480V are voltage and frequency (50-60HZ) sensing)



Project Name: _____

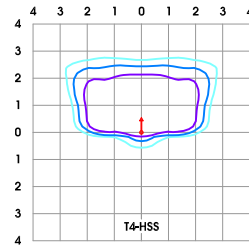
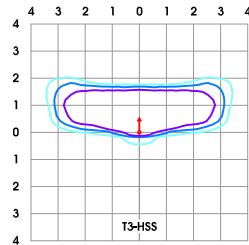
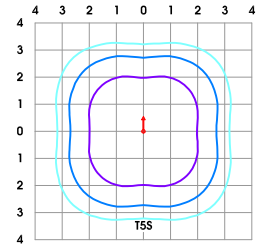
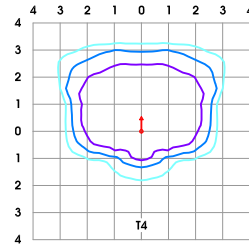
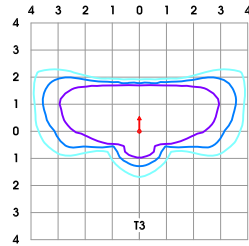
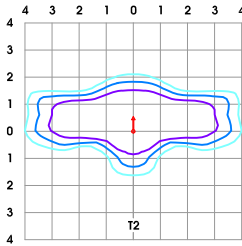
Type: _____

Specification/Order: _____

FINISH COLOR Super TGIC Polyester Powder Coat Paint	DBZ Dark Bronze ☐ BLK Black ☐ WHT White ☐ GRN Green ☐ GRY Gray - ANSI 70 ☐ CC Custom Color - Define ☐ All RAL colors are available
OPTION: HOUSE SIDE SHIELDS	HSS1 ☐ HSS2 ☐ HSS3 ☐ HSS4 ☐
OPTION: PHOTOCELL	PC-X Button Style 1 Photocell (X = Specify voltage) ☐ PCR7 7-Pin Twistlock Receptacle with Shorting Cap ANSI 136.41 ☐ Use of the PCR7 option requires an accessory mounting component on pole or arm
OPTION: FUSING	SF Single Fusing 120V, 277V, 347V ☐ DF Double Fusing 208V, 240V, 480V ☐
OPTION: MOTION SENSOR	FSP-311 Photocell/Motion Sensor Combo (Programmable via Bluetooth) ☐ FSP-311 option mounts to the Optical Plate
OPTION: SUGGESTED ARMS	 SHA ☐  SWA ☐  SS-PM-S ☐ 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
OPTION: DECORATIVE RINGS	No Rings ☐  With Rings ☐ 

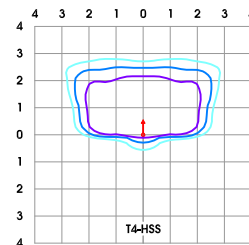
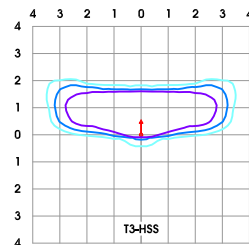
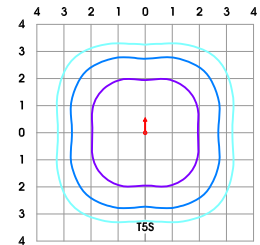
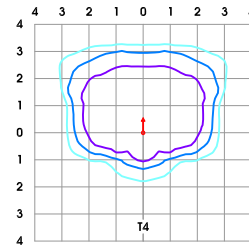
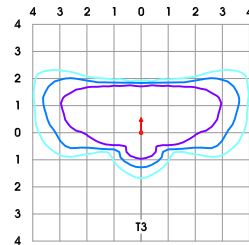
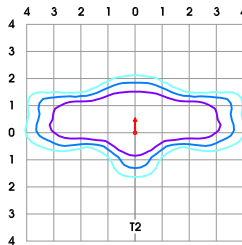
0.25fc
0.5fc
1.0fc

Part Number: ENV2-4Q1-105-4K (55W)
Mounting Height: 12'
Iso-footcandle Plot Units = Mounting Height (12')



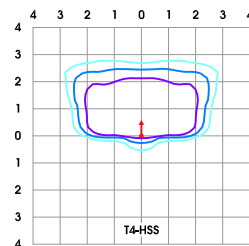
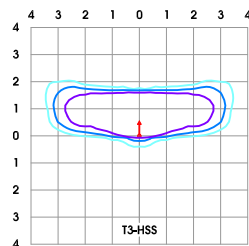
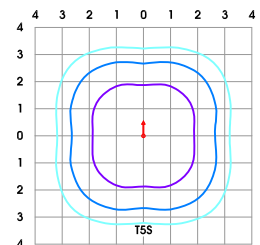
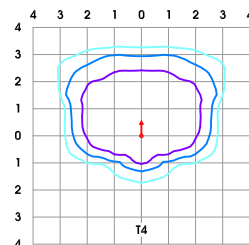
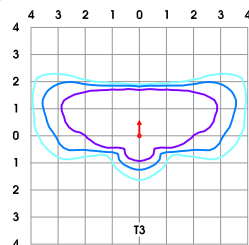
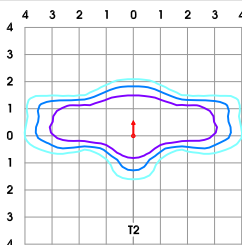
0.25fc
0.5fc
1.0fc

Part Number: ENV1-4Q3-70-4K (105W)
Mounting Height: 18'
Iso-footcandle Plot Units = Mounting Height (18')



0.25fc
0.5fc
1.0fc

Part Number: ENV1-4Q4-105-4K (220W)
Mounting Height: 25'
Iso-footcandle Plot Units = Mounting Height (25')



CCT	LED Optic	Drive Current	Type II	Type III	Type IV	Type V Square	Watts	Volts	Amps
3000K	4Q1 - 16 LED	700mA	4169 lm	4295 lm	4129 lm	4177 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8338 lm	8591 lm	8257 lm	8353 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	12507 lm	12886 lm	12386 lm	12530 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	16676 lm	17181 lm	16514 lm	16706 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	5670 lm	5842 lm	5615 lm	5680 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	11340 lm	11683 lm	11230 lm	11360 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q3 - 48 LED	1050mA	17010 lm	17525 lm	16844 lm	17040 lm	165	120	1.38
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60
	4Q4 - 64 LED	1050mA	22680 lm	23367 lm	22459 lm	22721 lm	220	120	1.84
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80
4000K	4Q1 - 16 LED	700mA	4424 lm	4558 lm	4381 lm	4432 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8848 lm	9116 lm	8762 lm	8864 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	13272 lm	13674 lm	13143 lm	13296 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	17696 lm	18232 lm	17524 lm	17728 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	6017 lm	6199 lm	5958 lm	6028 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	12033 lm	12398 lm	11916 lm	12055 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q3 - 48 LED	1050mA	18050 lm	18597 lm	17874 lm	18083 lm	165	120	1.38
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60
	4Q4 - 64 LED	1050mA	24067 lm	24796 lm	23833 lm	24110 lm	220	120	1.84
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80
5000K	4Q1 - 16 LED	700mA	4496 lm	4632 lm	4452 lm	4504 lm	35	120	.30
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.13
	4Q2 - 32 LED	700mA	8992 lm	9264 lm	8904 lm	9008 lm	70	120	.59
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.26
	4Q3 - 48 LED	700mA	13487 lm	13896 lm	13356 lm	13512 lm	105	120	.88
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q4 - 64 LED	700mA	17983 lm	18528 lm	17808 lm	18016 lm	140	120	1.17
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.51
	4Q1 - 16 LED	1050mA	6114 lm	6300 lm	6055 lm	6125 lm	55	120	.49
	B-U-G		B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1		277	.20
	4Q2 - 32 LED	1050mA	12229 lm	12599 lm	12110 lm	12251 lm	110	120	.92
	B-U-G		B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2		277	.40
	4Q3 - 48 LED	1050mA	18343 lm	18899 lm	18165 lm	18376 lm	165	120	1.38
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.60
	4Q4 - 64 LED	1050mA	24457 lm	25198 lm	24220 lm	24501 lm	220	120	1.84
	B-U-G		B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3		277	.80