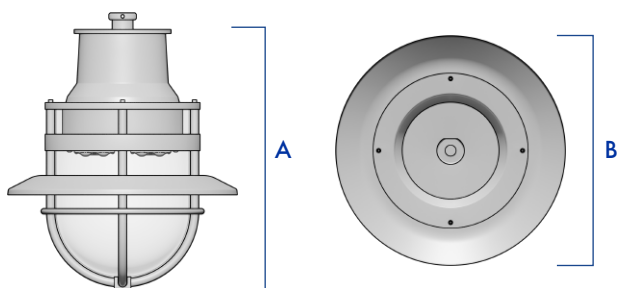




DIMENSIONS



FIXTURE	A	B
MARI	23.5"	20.75"

LUMINAIRE HOUSING

Main Housing and Electrical Compartment of cast aluminum alloy (A356; .2% Cu) including Electrical Compartment cover. A barrier wall is cast in place between the optical section and the electrical 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. Spun aluminum (alloy 6063; $\geq .1\%$ Cu) outer reflector is mechanically attached to the cast aluminum housing.

LED EMITTERS & OPTICS

Optical plate of .125" sheet aluminum (alloy 6063; $\geq -1\%$ 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 upright 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





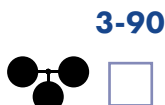
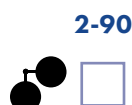
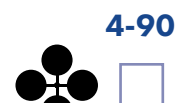
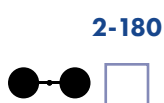
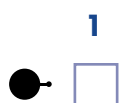
Project Name: _____

Type: _____

Specification/Order: _____

MOUNTING CONFIGURATIONS

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



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

LUMINAIRE STYLE

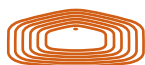
DECORATIVE REFLECTOR



NO REFLECTOR



DISTRIBUTIONS



TYPE II

T2 ☐



TYPE III

T3 ☐



TYPE IV

T4 ☐

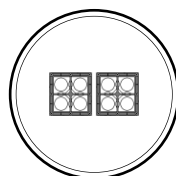
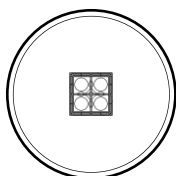


TYPE V

T5S ☐

4-SQUARED LED OPTICS

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



DRIVE CURRENT

70 = 700mA
105 = 1050mA

4Q1-70 ☐

4Q2-70 ☐

4Q1-105 ☐

4Q2-105 ☐

LED COLOR TEMPERATURE

70CRI Standard

3000K CCT
Warm White



4000K CCT
Neutral White



5000K CCT
Cool White



VOLTAGE

Drivers used are
voltage sensing

120 ☐

240 ☐

347 ☐

120-277* ☐

208 ☐

277 ☐

480 ☐

347-480* ☐

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



Project Name: _____

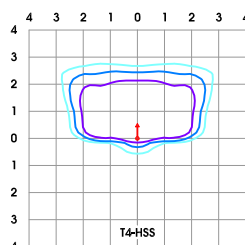
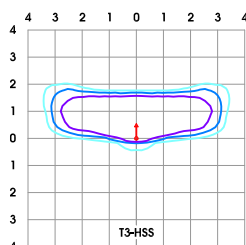
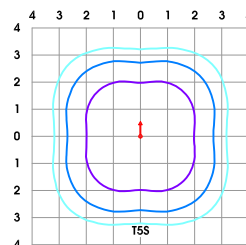
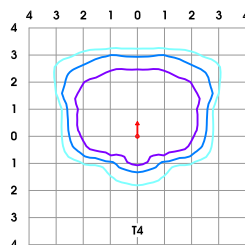
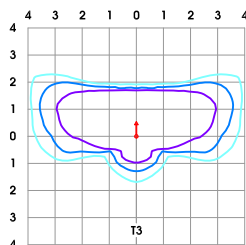
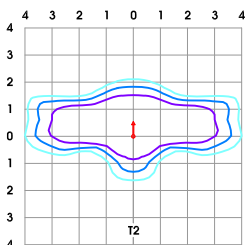
Type: _____

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 ☐
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: MOUNTING	PENDANT Mount ☐ SWIVEL Pendant Mount ☐  Contact factory for other options
OPTION: LENS	CSA Clear Smooth Acrylic ☐ CSP Clear Smooth Polycarbonate ☐ OSA* Opal Smooth Acrylic ☐ OSP* Opal Smooth Polycarbonate ☐ *Apply LLF of 10% to lumen output chart

0.25fc
 0.5fc
 1.0fc

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



LED/Electrical Data

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
	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
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
	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
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
	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