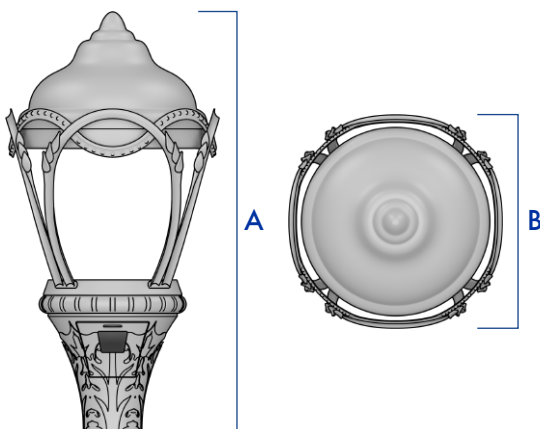




DIMENSIONS



FIXTURE	A	B
VAL-FC	34.5"	17.5"

LUMINAIRE HOUSING

Main Housing and Electrical Compartment constructed from round cast and spun aluminum alloy (A356; .2% Cu) including Electrical Compartment cover. A barrier wall is cast in place between the optical section and the electrical compartment. All exposed hardware is stainless steel.

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 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





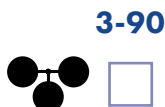
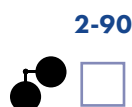
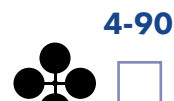
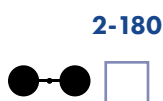
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Type: _____

Specification/Order: _____

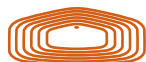
MOUNTING CONFIGURATIONS

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

DISTRIBUTIONS



TYPE II
T2 ☐



TYPE III
T3 ☐



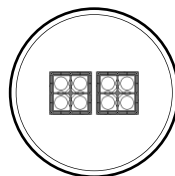
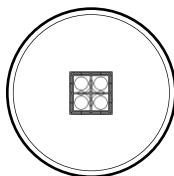
TYPE IV
T4 ☐



TYPE V
T5S ☐

4-SQUARED LED OPTICS

4Q1 = 16 LED
4Q2 = 32 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

PT23
Ø2.375" Tenon

☐

PT27
Ø2.875" Tenon

☐

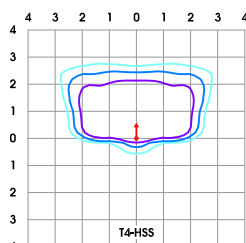
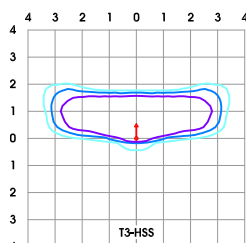
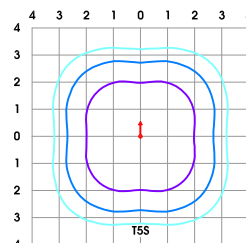
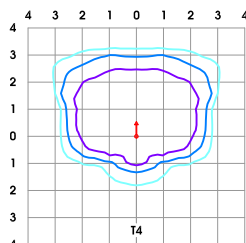
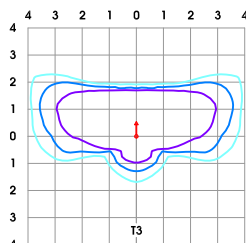
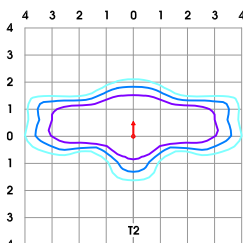
PT30
Ø3" Tenon

☐

Contact factory for other options

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