

## Village<sup>2</sup> (LED) Collection

Max Weight: 45.0 lbs | Max EPA: 2.16 sqft

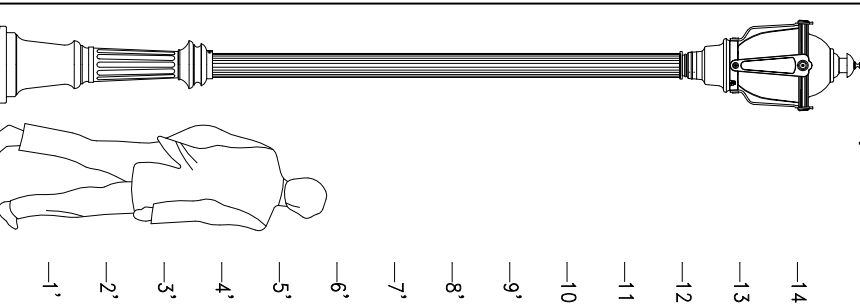
### Project Information

Name / Location:	/
Type / Quantity:	/
Sold to:	
PO#:	

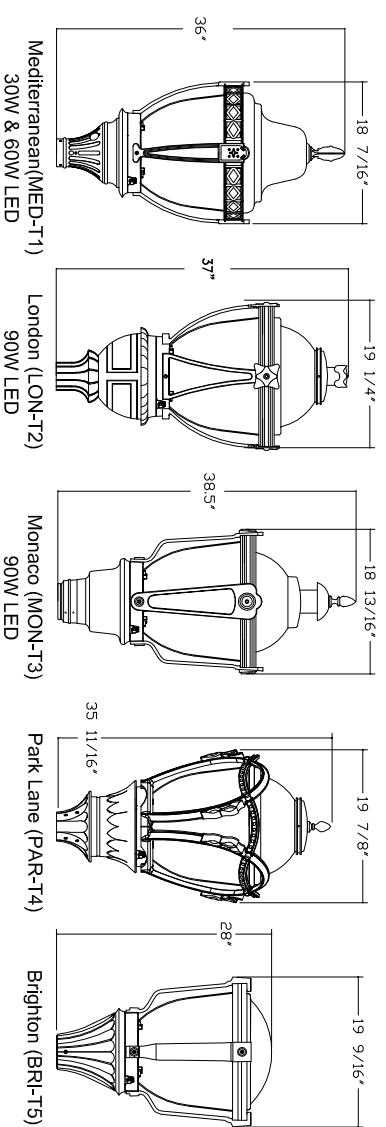
### Approvals

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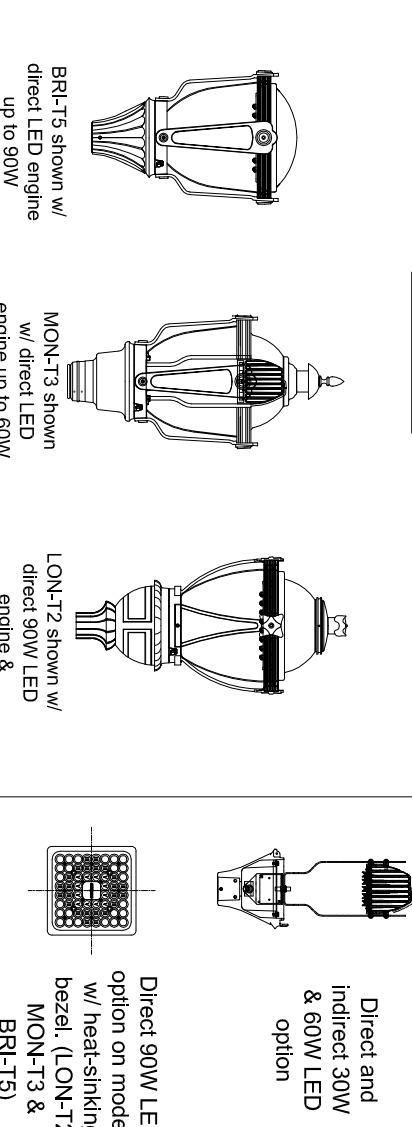
### Perspective



### Luminaire Details



### Optical Options



Ordering Example:  
**T3 /AC / C3 / H3 / LED30-120 / DIR3 / PEC / BB**

<b>Model</b>	<b>Housing</b>	<b>Voltage</b>	<b>Optical Options</b>	<b>Finish</b>
T1 MED-T1	H1 Mediterranean	UNV120-277V	DIR2 direct LED, type II	BB black
T2 LON-T2	H2 "F46" style	347 347V	DIR3 direct LED, type III	BZ bronze
T3 MON-T3	H3 London / Monaco	480 480V	DIR4 direct LED, type IV	BG green
T4 PAR-T4	H4 Park Lane		DIR5 direct LED, type V	BW white
T5 BRL-T5	H5 Piedmont			BY gray
				RAL-
				OTHER
				<small>Consult factory for premium and wide choices. Custom finishes available.</small>
<b>Lens</b>	<b>Source</b>		<b>Electrical Options</b>	
AC Acrylic Clear (Impact Resistant)	LED30 30W LED array		PEC photocell, button style	
AR3 Acrylic Refractive, type III	ED60 60W LED array		PEC-T photocell, twist-lock	
AR5 Acrylic Refractive, type V	LED90 90W LED array		SP lightning surge prot.	
PR3 Poly. Refractive, type III				
PR5 Poly. Refractive, type V				
	<b>Cage</b>			
	C1 Mediterranean			
	C2 London			
	C3 Monaco			
	C4 Park Lane			
	C5 Brighton			
	NC No Cage			

Notes:  
 1: Consult Factory

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### Specifications

**Interchangeability:**  
 The Village<sup>2</sup> collection components are completely interchangeable. Over one hundred and fifty unique looks are possible by selecting different components.

**Construction:**  
 All cast aluminum components shall be low copper alloy A356. All extruded aluminum components shall be alloy 6061-T6, 6063-T5 or equal. All spun components shall be alloy 1070, 3002 or 1100.

**Top:**  
 The heavy spun aluminum dome shall be topped with a decorative cast aluminum **halo** (except Brighton). The dome shall be mechanically attached to the lens. The spun aluminum dome is also designed to conceal a direct or indirect upper reflector.

**Lens:**  
 The acrylic lens material shall be UV stabilized and impact resistant (Minimum notched Izod impact strength (ASTM D256) of 1.1 ft-lb/in) and shall also be sealed by a sponge silicone gasket at the lens top (LED only) and bottom which shall seal the optical enclosure for weather tight operation.

**Cage:**  
 The cast-rolled cages shall be mechanically fastened.

**Housing / Finer:**  
 The bottom housing / finer shall be a cast aluminum, decorative finer designed to accommodate the tallest assembly and shall mount to a 3/16" x 3/16" tenon and be secured by six stainless steel set screws. Access to the electrical and optical assemblies shall be tool-less. The housing shall hinge open to allow access to the driver electrical assembly and removable optical pins.

**Color Rendering Index (CRI):** Luminaire shall have a minimum CRI of 70.

**Off State Power Consumption:** The power draw of the luminaire including FC devices must be zero watts when the off state.

**Operating Environments:** Shall be able to operate normally in temperatures from -20°C to 25°C.

**Cooling System:** Shall not consist of any fan, pump or heads and must be resistant to debris buildup.

**LED heat sink:** The LED module and heat sink shall be removable and up-gradable. The drivers shall be mounted on a removable plate and protected by a 10,000 Amp transient surge protector. The heat sink shall be 355 cast aluminum and be fitted with 24 Cree XCG / 130 lumens LEDs.

**LED Array:** The 24 LED Array shall be 60 watts maximum, and the 36 LED array shall be 90 watts maximum, and be provided with Type II, III, IV or V distributions. Each LED shall have one optical lens. The Heat Sink and LED Array shall be mounted on a mounting plate and pinned downward. Aiming of individual LEDs will not be accepted.

**LED Array board:** Board will mounted to the heat sink using 12-#4-40 screws to ensure contact to the thermal pad and heat sink. Use of thermal grease will not be allowed. The board will be provided with two droplets of 12 LEDs each. Each circuit will be supplied with one driver for a total of two drivers for two circuits. If one driver fails the other driver shall still light up one circuit of 12-LEDs.

**Bezel Optical System:**  
 Each Beacon luminaire is supplied with an optical one piece cartridge system consisting of an LED engine, LED lenses, optics, gasket and the cast aluminum bezel. The cartridge is held together with internal brass standoffs soldered to the board so that it can be held together as a one piece optical system. A one-piece die-out, silicone gasket ensures a weather-proof seal around each individual LED and allows the luminaire to be rated for high-pressure hose down (150) applications. The optical cartridge is secured to the aluminum heat sink with fasteners to insure thermal conductivity. The optics are held in place without the use of adhesives and the complete assembly is gasketed for high pressure hose down cleaning. The cartridge assembly is available in various lighting distributions using TR designed Acrylic optical lenses over each LED.

**Lumen Depreciation of LED light:** Must comply with IESNA LM-80.

**Source:** Led module shall deliver at least 70% of initial lumens, when installed for a minimum of 70,000 hours.

**Light Distribution:** Shall be Street Classification Lighting Distribution Pattern Roadway / Area Type I, III, IV & V.

**Power Supply/Power Requirements:** UL, UL1310, Class 2 and UL48 compliant.

**Power factor:** Shall have a power factor not less than 90% at full load.

**Operating Voltage:** 120 - 277 Volts.

**Driver Operating Temperature:** Shall operate between -30°C and 60°C.

**Driver Frequency:** Output operating frequency 47 to 63 Hz.

**Interference:** Shall meet FCC 47 CFR Part 2, part 15 and Class B, Class B.

**Notes:** Shall have a Class A sound rating.

**Protection:** Over-voltage, Over-current and Short-circuit protector. Auto-recovery.

**Startup:** Must be instant restart.

**Surge Protection:** Transient over voltage protection shall be provided and rated at 10,000 Amps using the industry standard 8/20 µsec wave.

**File/Test Requirements:** Provide copy of UL or CSA certification as recognized component.

**Warranty:**  
 Beacon luminaires feature a 5 year limited warranty on all components of the retro-fit unit. The warranty period shall start at the date of shipment. The manufacturer shall supply contact information to the owner for replacements as well as a written confirmation from the manufacturer confirming the warranty terms. Warranty must include parts, labor and shipping.

**Fasteners:** All fasteners shall be stainless steel. When tamper resistant fasteners are required, spacer HD (snake eye) style shall be provided (special tool required, consult factory).

**Finish:** Finish shall be Beacon III polyester powdercoat (electrostatically applied and thermocured). Luminaires shall be subjected to hot phosphate chemical pre-treatment prior to painting by immersion process.

### Twist-Lock Photocell Option

