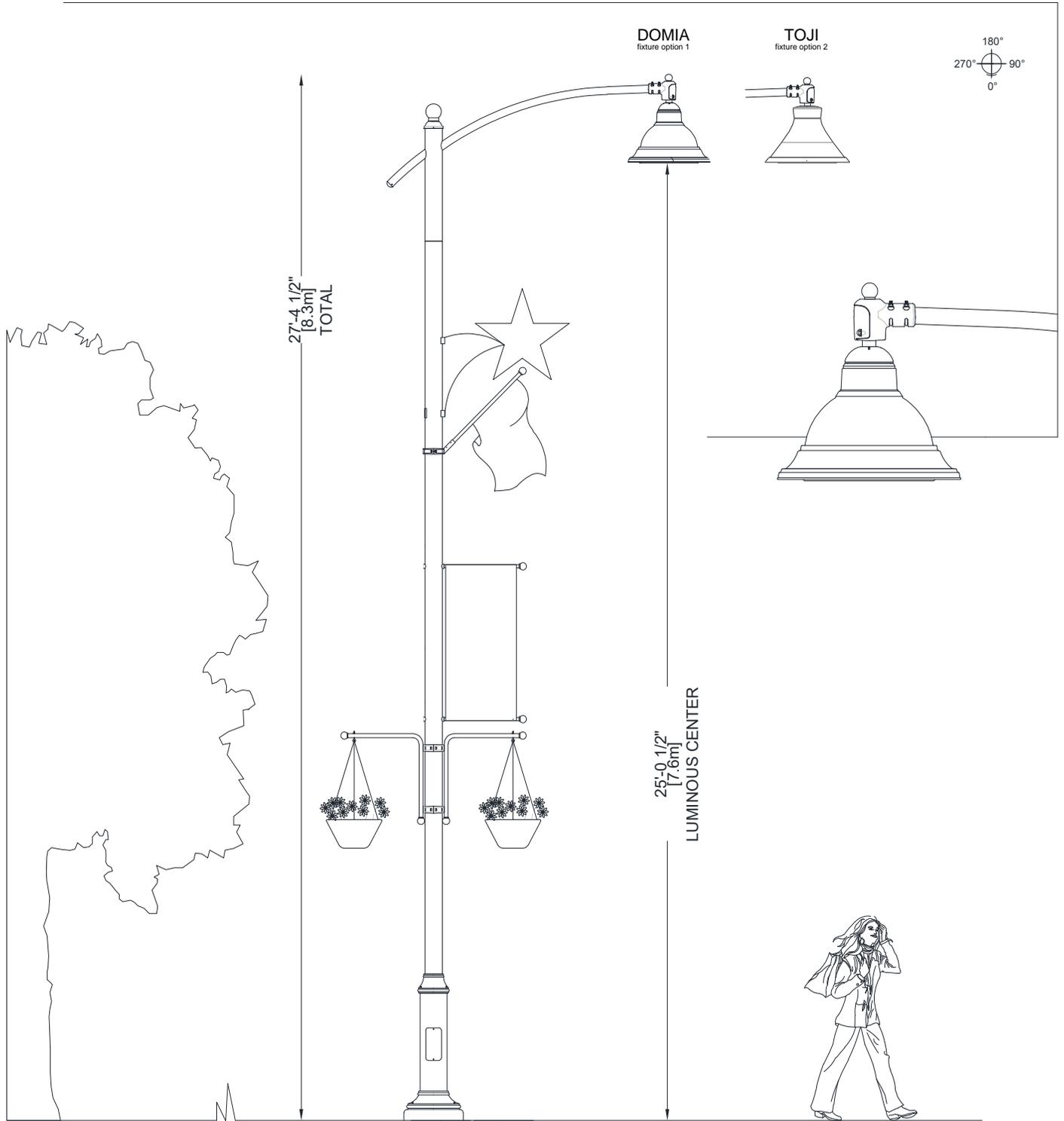


**Project : Petersburg, AK – Main Street Lighting Project**

**Order: SQ\_039045**

Tag:



**Stamp/Approval**  
 Name : \_\_\_\_\_ Date : \_\_\_\_\_

File : CY55P1B - SQ\_039045 - Petersburg, AK - Main Street Lighting Project  
 Date : 2026/03/04 Page : 1/6  
 Designer : BOIVIN A-R

**Project : Petersburg, AK – Main Street Lighting Project**
**Order: SQ\_039045**
**Tag: Luminaire: CY55P1B-FGC-T3M-P70-40K-MVOLT-10KV-ADS-F3AP-SC-TX-MG**
**Components :**

**Housing module:** Bell-shaped dome made of A1070 spun aluminum. The internal structure is cast in A360 aluminum. The roof is cast in A356 aluminum, welded from a vertical welded ball tenon. (ADS)

**Frame Module:** An A360 cast aluminum frame accepts the optical module and is mechanically attached to the internal structure by a hinge. A curved push button in the structure provides access to the interior of the luminaire and the power module.

**Electric / Optical components**

**Optical Module:** The molded aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency **performance package 70 (P70), 4000K (40K - white)**, Orion LED optical engine is mechanically assembled on the heat sink and produces **13412 Lumens**. The optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. **Produces 0% uplight.** The light distribution type according to IES is **III medium (T3M)**. A flat lens in **clear tempered glass (FGC)** is attached to a cast aluminum frame.

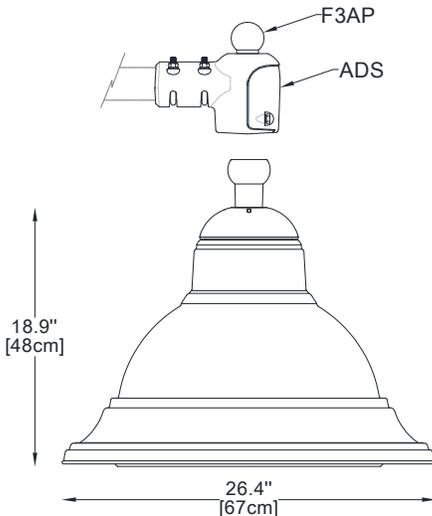
**Driver Module:** The self-adjusting **120-277VAC** or **347-480VAC**. Class I (P70-P100) or Class II (P10 to P60) driver is removable. Primary voltage at MVOLT (120-277V), HVOLT (347-480V), 120V, 208V, 240V, 277V, 347V, 480V, to be determined (VOLT): \_\_\_\_\_, 50 / 60Hz, THD max 20%. High power factor of 90%. Operating temperature from -40°F (-40°C) to 131°F (55°C). The driver provides 0-10 Volts output (select DIM option for external controls) and is ROHS compliant. Includes a **10kV/5kA** three-pole surge protector for Line-Ground, Line-Neutral and Neutral-Ground lines according to the IEEE / ANSI C62.41 2002 C standard.

**General / Options**

**Wiring / Hardware:** Type TEWT 14-7 AWG, 12"(30.5cm) minimum exceeding from luminaire. All electrical connections between modules are made with quick-disconnect connectors for easy maintenance. All exposed hardware is stainless steel.

**Adaptor Module (ADS):** The round shaped adaptor is entirely made of A356 cast aluminum alloy, having a cast A356 aluminum alloy door, giving access to a 3 pole European style terminal bloc connector for 18-6AWG wires. The door also acts as a clamp for a ball-shaped tenon, allowing an adjustment of  $\pm 5^\circ$  for leveling. Built-in notches, at  $45^\circ$  increments, locks the ball from rotation. The module is suited for a horizontal tenon from  $\varnothing 1 \frac{7}{8}"$  to  $\varnothing 2 \frac{3}{8}"$  (4.7cm to 6cm) outside diameter. **A round aluminum finial is mounted on top. (F3AP)**

**Color: SPECIAL COLOR (SC) / Finish: textured (TX)  or smooth (SM) .** **Marine Grade Pre-finish (MG).** An epoxy primer and a durable polyester powder coating are applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends the textured finish for this product. (If available for selected color)**

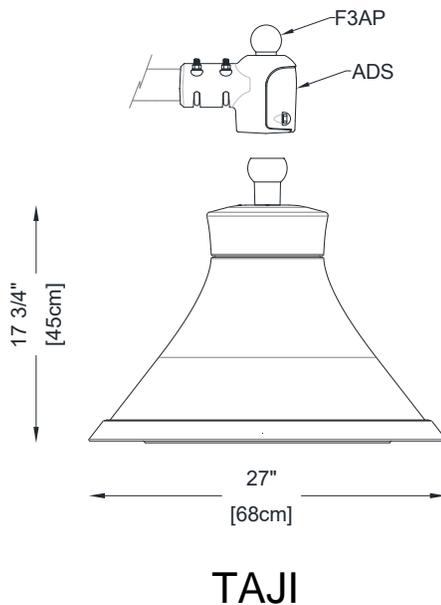

**DOMIA**
**EPA: 1.07 pi<sup>2</sup> Weight: 39.8 lbs / 18.1 kg**
**Stamp/Approval**

Name : \_\_\_\_\_ Date : \_\_\_\_\_

File : CY55P1B - SQ\_039045 - Petersburg, AK - Main Street Lighting Project

Date : 2026/03/04 Page : 3/6

Designer : BOIVIN A-R

**Project : Petersburg, AK – Main Street Lighting Project**
**Order: SQ\_039045**
**Tag: Luminaire: TAJP1A-FGC-T3M-P70-40K-MVOLT-10KV-ADS-F3AP-SC-TX-MG**

**Components:**

**Housing module:** Conical-Shaped bell made of A1070 spun aluminum. The internal structure is cast in A360 aluminum. The roof is cast in A356 aluminum, welded from a vertical welded ball tenon. (ADS)

**Frame Module:** An A360 cast aluminum frame accepts the optical module and is mechanically attached to the internal structure by a hinge. A curved push button in the structure provides access to the interior of the luminaire and the power module.

**Electric / Optical components**

**Optical Module:** The molded aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency **performance package 70 (P70), 4000K (40K - white)**, Orion LED optical engine is mechanically assembled on the heat sink and produces **13412 Lumens**. The optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. **Produces 0% uplight.** The light distribution type according to IES is **III medium (T3M)**. A flat lens in **clear tempered glass (FGC)** is attached to a cast aluminum frame.

**Driver Module:** The self-adjusting **120-277VAC** or **347-480VAC**. Class I (P70-P100) or Class II (P10 to P60) driver is removable. Primary voltage at  **MVOLT (120-277V)**,  **HVOLT (347-480V)**,  **120V**,  **208V**,  **240V**,  **277V**,  **347V**,  **480V**,  **to be determined (VOLT):** \_\_\_\_\_, 50 / 60Hz, THD max 20%. High power factor of 90%. Operating temperature from -40°F (-40°C) to 131°F (55°C). The driver provides 0-10 Volts output (select DIM option for external controls) and is ROHS compliant. Includes a **10kV/5kA** three-pole surge protector for Line-Ground, Line-Neutral and Neutral-Ground lines according to the IEEE / ANSI C62.41 2002 C standard.

**General / Options**

**Wiring / Hardware:** Type TEWT 14-7 AWG, 12" (30.5cm) minimum exceeding from luminaire. All electrical connections between modules are made with quick-disconnect connectors for easy maintenance. All exposed hardware is stainless steel.

**Adaptor Module (ADS):** The round shaped adaptor is entirely made of A356 cast aluminum alloy, having a cast A356 aluminum alloy door, giving access to a 3 pole European style terminal bloc connector for 18-6AWG wires. The door also acts as a clamp for a ball-shaped tenon, allowing an adjustment of  $\pm 5^\circ$  for leveling. Built-in notches, at  $45^\circ$  increments, locks the ball from rotation. The module is suited for a horizontal tenon from  $\varnothing 1 \frac{7}{8}$ " to  $\varnothing 2 \frac{3}{8}$ " (4.7cm to 6cm) outside diameter. **A round aluminum finial is mounted on top. (F3AP)**

**Color: SPECIAL COLOR (SC) / Finish: textured (TX)  or smooth (SM) . Marine Grade Pre-finish (MG).** An epoxy primer and a durable polyester powder coating are applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends the textured finish for this product. (If available for selected color)**

**Vibration: (3G)** according to ANSI C136.31-2010

**Ingress protection:** IP66 according to EN 60529 and IEC 60598-1 standards.

**Electromagnetic compatibility:** according to standard NMB-005-A (2018)

**cULus:** according to standard C22.2 / UL1598

**EPA: 0.90 pi<sup>2</sup>    Weight: 38.1 lbs / 17.3 kg**
**Stamp/Approval**

Name :

Date :

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Designer : BOIVIN A-R

**Project : Petersburg, AK – Main Street Lighting Project**
**Order: SQ\_039045**

Tag :	Bracket: <b>MA530-C1-IN556-SC-TX-MG-CP7729</b>
Tag:	Pole: <b>PV62-23-INS_BHD_126_48_B-SC-TX-MG-CP7731</b>
Tag:	Flag Holder: <b>FH10-556D-S-SC-TX-MG-CP7119</b>
Tag:	Plant Support: <b>PS3_556D_20IN_TW-SC-TX-MG</b>
Tag:	Banners: <b>BH3_556D_B_24IN_TW-SC-TX-MG</b>
Tag :	Base Cover: <b>BM19-SC-TX-MG</b>

**Components**

**Bracket:** Central tubing 5"(12.7cm) Ø, made of steel, with one 2 3/8"(6cm) Ø arm made of steel and 6' long (CP7729), welded together. Single configuration(C1). The bracket is installed inside the pole using a 12"(30cm) long x 5"Ø (12.7cm Ø) tenon. (IN556) An empty 5" Ø aluminum ball is welded on top of the aluminum cap mechanically installed on the central tubing. (CP7729)

**Pole:** Round shape. Made from a 5 9/16"(13cm)Ø, 6061-T6 aluminum alloy tubing, welded to an 8 5/8"(22cm)Ø base. The wall thickness of the pole is 1/4"(6mm) (PV62). Welded to both the top and the bottom of an anchor plate. Includes hardware to secure the bracket's penetrating tenon (INS). A 2x3" opening is made at 18'-6" from the bottom of the pole, at 270° for GFI by other. Two (2) x U-channels are welded on the pole at 90° to receive a Christmas decoration by other. EPA and dimensions to be validated. Pole comes with thermal treatment after welding. (CP7731)

**Access door:** Covering a 4"x9" (10cm x 23cm) opening with a sealing joint. Giving access to the copper ground lug.

**Base / Joint cover:** Round shaped two-pieces base cover and joint cover, made of cast A356 aluminum (BM19), mechanically secured together.

**Bolt circle:** 14" (36cm) Ø. Available from 11 1/2" to 14 3/4" (29.2cm to 37.5cm) Ø.

**Anchor bolts: Supplied by others: 1"**

Fully galvanized anchor bolts c/w nuts & washers for levelling.

**Generals/Options**

**Hardware:** All exposed hardware is stainless steel.

**Flag holder (FH10):** Removable, assembled on a two-piece clamp, mechanically secured on pole. Accommodates a 1"(2.5cm) Ø maximum tube. (CP7119)

**Banners:** Made of 1"(2.5cm) Ø steel tubing with decorative finials, "breakaway" type, secured on a permanent sleeve.

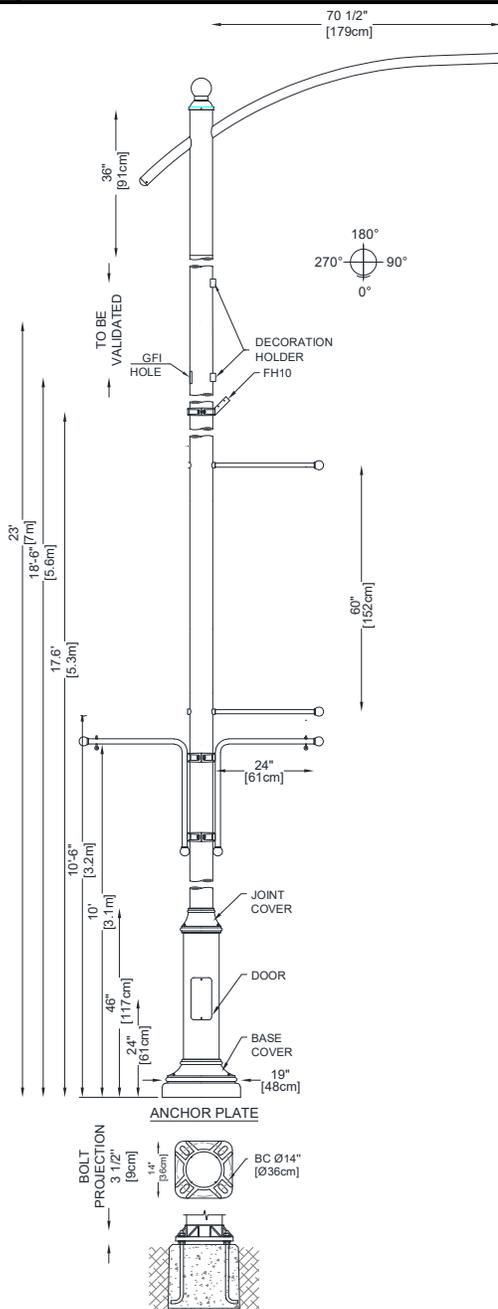
**Plant support:** Made of 1"(2.5cm) Ø aluminum rods with decorative finials, secured on a permanent sleeve. Includes one eyelet. **Maximum weight of 60lbs (27kg) (1.3 EPA) per arm.**

**Color: SPECIAL COLOR (SC) / Finish: textured (TX)  or smooth (SM) .** **Marine Grade Pre-finish (MG).** An epoxy primer and a durable polyester powder coating are applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends the textured finish for this product. (If available for selected color)**

**Note:** The pole can withstand an EPA of 13.69 ft2 (AASHTO 2013) at 100 mph (ASCE/SEI 7-22 category 1 / 300-year MRI\*\*).

\*\*If the pole is installed in an area where the ADT>100, the pole EPA value will be adjusted accordingly. Please consult with factory.

**Any accessories added or modified that are not described on this approval drawing will automatically void the warranty unless a written consent is given by Cyclone Lighting.**


**Bracket EPA : 3 ft<sup>2</sup>**
**Stamp/Approval**

Name : \_\_\_\_\_ Date : \_\_\_\_\_

File : CY55P1B - SQ\_039045 - Petersburg, AK - Main Street Lighting Project

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Designer : BOIVIN A-R