



Charleston Aluminum Pole Philadelphia 48" Crossarm Granville® II LED 2 (GVD2)

POLE ATTRIBUTES:

Description The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

Materials The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 Ingot per ASTM B-179-95a or ASTM B26-95. The straight shaft shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel.

Construction The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All welding shall be per ANSI/AWS.

Dimensions The post shall be X'-XX" in height with a 12" or 16" diameter base. At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

Installation The post has an option to have four L-Type hot dip galvanized anchor bolts shipped with it. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

CROSSARM ATTRIBUTES:

CONSTRUCTION The crossarms and wall brackets shall be one-piece construction. The arms shall be welded to a center spool. For wall brackets, the arms shall be welded to a flat wall plate. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per ANSI/AWS D1.2-90 Section 5.

MATERIALS The arms, finials, and center spool tenons, shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The center spool and wall bracket mounting plate shall be aluminum, ASTM 6061 alloy, heat-treated to a T6 temper. All hardware shall be stainless steel. All exterior hardware shall be tamper resistant.

INSTALLATION The crossarms shall slip-fit a post top tenon and attach with socket screws. The center finial shall be removable. The wall bracket shall have four 9/16" diameter holes for mounting to the wall. (Bracket mounting hardware furnished by others.) Both crossarms and wall bracket shall have 3" O.D. tenons for Luminaire mounting**Requires P08 Tenon**

FIXTURE ATTRIBUTES:

General The GranVille® II Classic LED 2 is designed for ease of maintenance with the electrical module common to Holophane's original GranVille Series. A precision optical system that maximizes post spacing while maintaining uniform illumination.

Features and Benefits

- Engineered LED system for maximum performance and reliability



- Designed for use with original globes and housings maintaining familiar appearance
- Optimized to meet existing lighting standards
- Asymmetric and Symmetric distributions offer application design flexibility
- Simple access to electronic driver and components for ease of maintenance

Typical Applications

- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots

Finish/Material The luminaire is finished with polyester powder paint, and, the luminaire housing is cast of aluminum. Luminaire Mounts to P07 (3X3) Tenon
Configure Entire Pole Package Assembly For Pole and Arm Combinations

SPECIFICATIONS

FIXTURE

Granville® II LED 2 (GVD2)
•[GVD2 P20 30K AS M BK 6 N N U H NL1X1 AO PCLL]
Prefix: Granville® II LED 2 (GVD2)
Performance Package: LED Performance Package 20
Color Temperature: 3000 Series CCT
Voltage: Auto-Sensing Voltage (120-277)
Housing: Modern Style - Swing Open Design
Finish: Black
Optics: Asymmetric Lunar Optic Type III
Trim: No Trim
Finial: No Finial
Trim Finish: No Trim and Clear or No Finial
Covers: None
Photocontrol Receptacle: NEMA Twistlock Photocontrol Receptacle
Prewired Leads: None
NEMA Label: NEMA Label 1 x 1 (in)
Adjustable Output: Field Adjustable Output
Factory Programmed Driver: None
Photocontrol: Extended life option with AS (120-277V only)
Dimming: None
ROAM Dimming Control: None
Photocontrol Kit Accessory: None
Decorative Band Accessory: None
House Side Shield Accessory: None
Post Capital Accessory: None
Luminaire EPA: 1.88
Luminaire Weight: 59

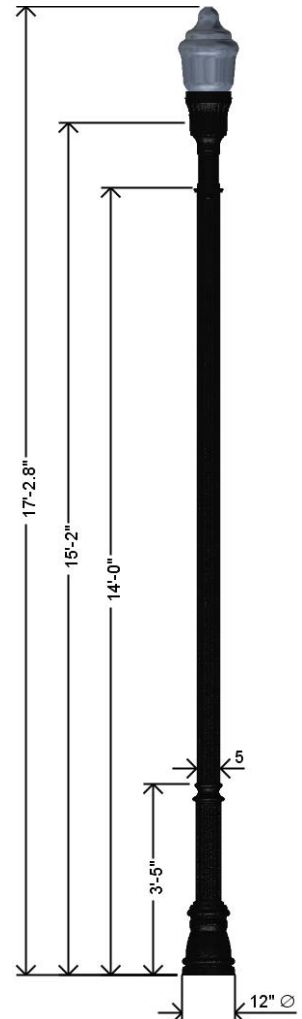
ARM / MOUNTING BRACKET

Philadelphia 48" Series Crossarm; Oriented at 90 degrees.
•[PCP48 CA BKH]
Series: PCP48 (Two at 180)
Material Type: CA
Finish: Black
Arm EPA: 2.76
Arm Weight: 45

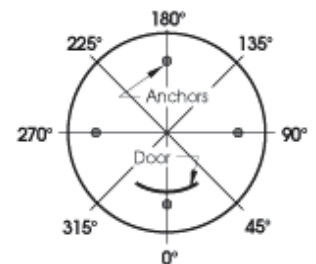
POLE

Charleston Aluminum Pole
•[CHA 14 F5J 12 P08 DBB BK]
Prefix: Charleston, Aluminum Pole
Height: 14 feet (Actual Height: 14'-0")
Shaft Style: F5J 5 inch diameter Fluted, .25 wall
Base: 12 inch Round Base
Tenon: 3 X 5 Tenon
Pole Mounting: Direct Burial Base
Finish: Powder Coat Paint Finish, Black
Breakaway Kit: None
Breakaway Kit Finish: None
Base EPA: 3.075
Base Weight: 50

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Anchorage/Orientation Plan



Hand Hole is at 0 deg.

Customer Approval:

Job Name: Product Basket

Client Name: City of Hercules

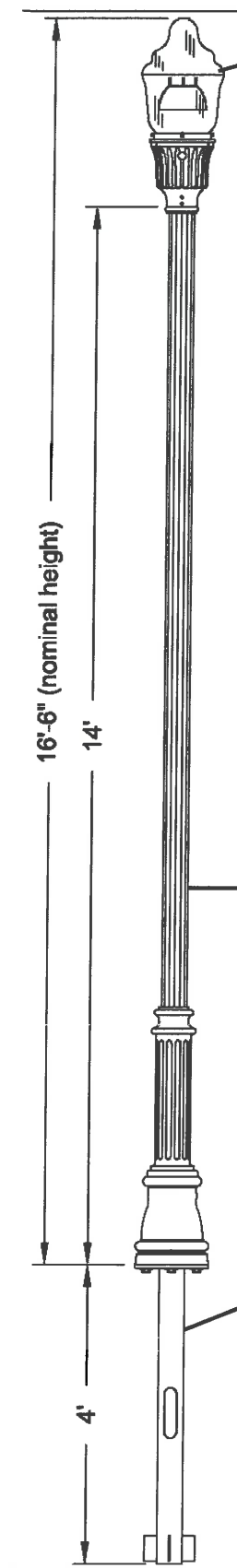
signature

date

Created By: Philip Heinz

Date: 24-Jul-19

PG&E Codes for Decorative Streetlight, Pole and Direct Burial Base

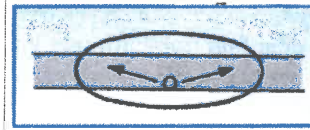


Glass Acorn Streetlight with Cutoff Optics and Internal Twistlock Photocontrol Receptacle

Wattage	Light Pattern	Color	PG&E Code
70	Narrow Asymmetric	Black	350385
70	Symmetric	Black	350387
100	Narrow Asymmetric	Black	350389
100	Symmetric	Black	350391
150	Narrow Asymmetric	Black	350393
150	Symmetric	Black	350395



Symmetric Light Pattern



Narrow Asymmetric Light Pattern

Fixture Notes:

1. All fixtures are High Pressure Sodium, 120V.
2. Lamp, twist lock photo control, and extra wire in pole are not included and must be ordered separately.
3. Appropriate field lighting pattern must be ordered as shown in the above diagrams.

Charleston Style 4" Extruded Aluminum Pole

Height	Style	Color	PG&E Code
14'	Fluted	Black	350409

Galvanized Steel Direct Burial Base

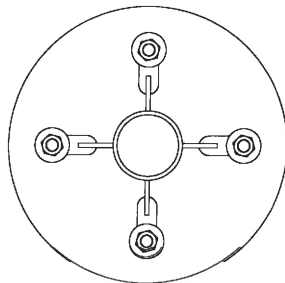
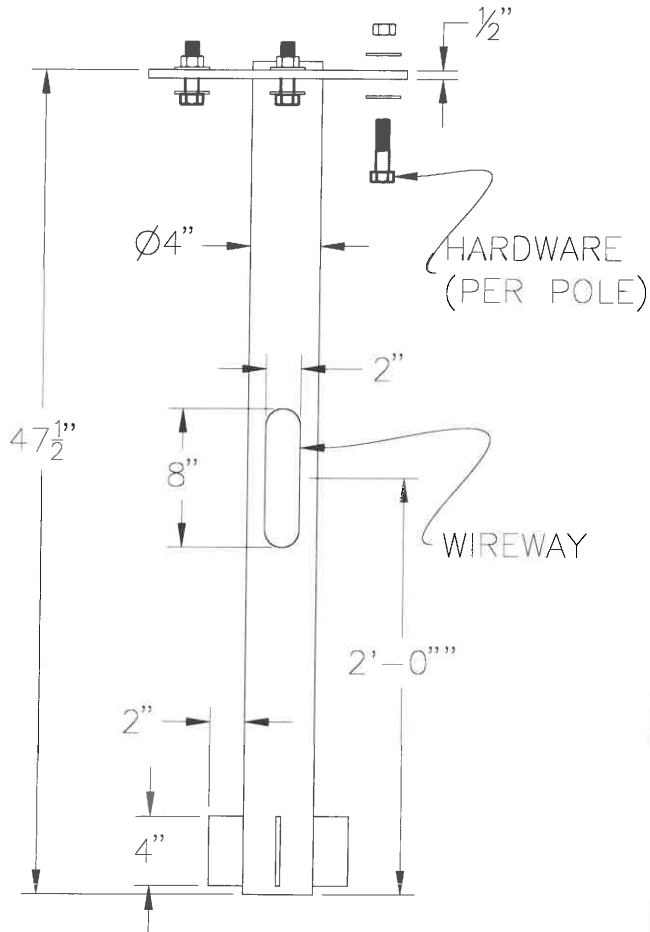
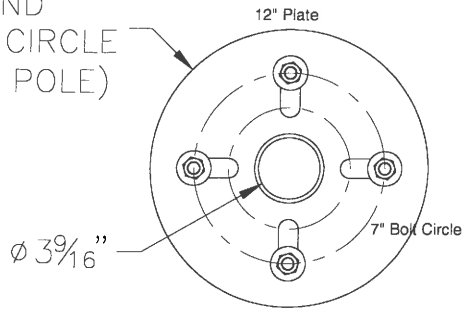
PG&E Code
350445

Note: Pole base should be embedded in concrete during installation. 2-3 bags of quick drying concrete are usually sufficient.



**Pacific Gas and
Electric Company™**

SIZE, SHAPE,
AND
BOLT CIRCLE
(PER POLE)



Specifications

DESCRIPTION

The assembly is a bolt on direct burial base that is designed to mount to specific poles, and to be used instead of a concrete base and anchor bolts.

MATERIALS

The direct burial base shall be all steel construction consisting of a welded plate with a steel pipe and anti-rotational wings. Pole attachment hardware shall be hot-dip galvanized steel.

DIMENSIONS

The associated pole base and bolt circle will determine the shape, size, and bolt circle of the mounting plate. A wireway is machined into the pipe. The direct burial base shall be approximately 4'-0" in height with a 1/2" thick mounting plate and 3-1/2" schedule 40 pipe.

INSTALLATION

The direct burial base is designed to mount directly to the pole base in the place of anchor bolts.

FINISH

The direct burial base assembly shall be shipped with a hot dip galvanized finish.

DBB (Direct Burial Base) Basic Details of Bolt-on Direct Burial Base

ORDER #:	TYPE:	DRAWING #:
REVISION: -	REVISION DATE:	TSG-000668
DRAWN: RAF	ORIGIN DATE: 09-29-05	PAGE: 1 of 1