

# CITY OF WASHINGTON

## PLANNING & DEVELOPMENT DEPARTMENT

301 Walnut St. · Washington, IL 61571

Ph. 309-444-1135 · Fax 309-444-9779

<http://www.washington-illinois.org>

[joliphant@ci.washington.il.us](mailto:joliphant@ci.washington.il.us)

### MEMORANDUM

TO: Public Works Committee  
FROM: Jon R. Oliphant, AICP, Planning & Development Director  
Ed Andrews, PE, Public Works Director  
SUBJECT: Southeast Square Parking Lot Streetlight  
DATE: June 9, 2017

As you may recall, Ameren presented the City of Washington with a Progressive City award last year. The award came with a \$2,500 grant to be used toward a community project that "improves services or enhances the quality of life of our residents and businesses." One such means of utilizing this funding was to apply it towards the purchase of a new decorative streetlight for the Square.

In coordination with the completion of the reconstruction of the southeast Square parking lot, an allocation has been made for a light to be provided near the Ipava State Bank drive-thru lanes. Conduit was stubbed there last summer at this location in anticipation of a future light installation. This would provide light along Ford Lane and the west end of the parking lot.

Staff received quotes through Ty Slonneger for poles and fixtures from Sternberg and Sun Valley Lighting for 10', 12' and 14' poles with five-head fixtures and Sun Valley Lighting for 10', 12', and 14' poles with single-head fixtures (see attached). Please note that Sun Valley does not offer a five-head fixture, though it offers four-head fixtures. Quotes are currently being solicited at the time of this writing for an 18' black pole to closely match the black poles found throughout the Square and the height would mirror the poles on the perimeter.

Staff requested HPS and LED bulb options for all of the poles and has asked that the 18' pole include an option for banner and street sign brackets. It will also be priced with single-heads (both vendors) and five-heads (only Sternberg). The quotes for the 18' poles will be given at Monday's meeting provided Ty receives them prior to that point. Based on the quotes for the shorter poles, the HPS lights should have a cost of around \$7,000 from Sternberg and the LED lamps should have a cost around \$8,500, plus the possible add-ons of banner and street sign brackets. The Sun Valley may cost around \$3,500, plus the possible add-ons.

While staff is looking for direction specifically for this streetlight, we would also look for assistance in choosing a preferred fixture for all future purchases. The lights in the interior and within the northeastern parking lot have five globes while others along the perimeter and on Peoria Street have a single globe.

This is scheduled for review at the June 12 Public Works Committee meeting.

# **RNS Electric, Inc.**

PO Box 367  
Washington, IL 61581  
309.444.5200

## **Proposal**

May 25, 2017

City of Washington  
301 Walnut St  
Washington, IL. 61571

Re: New square pole lighting options.

We propose to supply the following material.

- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-35HPS/1-10'  
50HPS120MED/2GFILPIUC/PCD/BK1 10' with HPS lamps:.....\$6,529.00
- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-35HPS/1-12'  
50HPS120MED/2GFILPIUC/PCD/BK1 12' with HPS lamps:.....\$6,589.00
- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-35HPS/1-14'  
50HPS120MED/2GFILPIUC/PCD/BK1 14' with HPS lamps:.....\$6,699.00
- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-3S35TLFA/  
MD103/2-GFILPIUC/PCDBK1 10' with LED lamps:.....\$7,929.00
- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-3S35TLFA/  
MD103/2-GFILPIUC/PCDBK1 12' with LED lamps:.....\$8,063.00
- Sternberg 4-GLWA/TAPT/G16WA/XPT/6210FP5/4-3S35TLFA/  
MD103/2-GFILPIUC/PCDBK1 14' with LED lamps:.....\$8,173.00

### **This Proposal does not include:**

- Any sales tax on material.
- Any installation.

**This proposal is valid only 30 days from the above date.**

Sincerely,  
RNS Electric Inc.

Accepted by:

Ty Slonneger  
General Manager

By: \_\_\_\_\_

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

**Committed to our customers and quality.**

## 6200 OXFORD SERIES

## SPECIFICATIONS

### GENERAL

The \_\_\_\_\_ ft tall\* decorative post shall be aluminum, one-piece construction. The 18" diameter cast aluminum fluted base shall be constructed with a \_\_\_\_\_ inch diameter aluminum shaft. The model shall be Sternberg Lighting Number #6200 or #6200R for candy cane poles. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

### CONSTRUCTION

The base shall be designed with sixteen long curved flutes which gracefully slope to a decorative scalloped ring and be made of heavy wall, 356 alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the base.

\_\_\_\_\_ The smooth tapered shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

\_\_\_\_\_ The smooth straight shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

\_\_\_\_\_ The straight fluted shaft shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

\_\_\_\_\_ The cast tapered fluted shaft shall be made of heavy wall, 356 alloy cast aluminum.

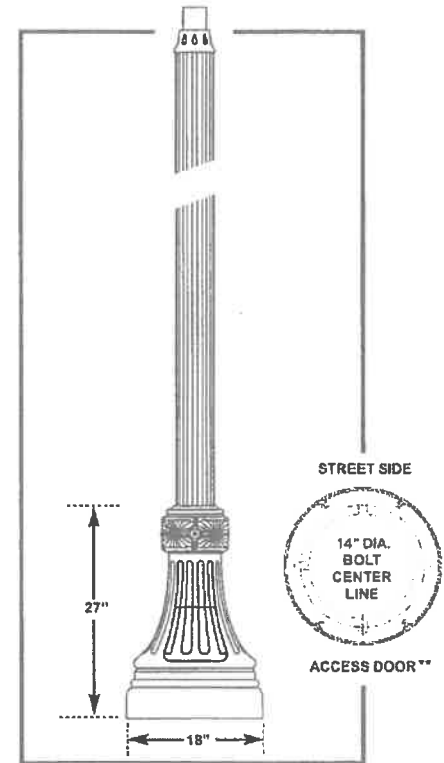
\_\_\_\_\_ The extruded tapered fluted shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

\_\_\_\_\_ The tapered octagonal shaft shall be made of heavy wall, 356 alloy cast aluminum. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

### INSTALLATION

Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

Indicate the type of shaft needed (above)















\*\*See installation template for exact door position.  
Bolt circle dimensions may change on taller poles.

### Cast Aluminum-Extruded Poles

### 18" Diameter Base x 27" High

NOTE:  
20' and taller  
poles available  
with clamshell  
or slip over  
bases.

					
5" - 3" OD 62 -- 'T5 10' 12' 14' 16' 18'	6"- 3" OD 62 -- 'T6 10' 12' 14' 16' 18'	5" OD 62 -- 'FP5 10' 12' 14' 16' 18'	6" OD 62 -- 'FP6 10' 12' 14' 16' 18'	6"- 3" OD 62 -- 'TFP6 10' 12' 14'	6"- 4" OD 62 -- 'ETFP6 12' 14' 16' 18'
SMOOTH TAPERED SHAFT	SMOOTH TAPERED SHAFT	† STRAIGHT FLUTED SHAFT	† STRAIGHT FLUTED SHAFT	TAPERED FLUTED SHAFT	TAPERED FLUTED SHAFT
† P5 SMOOTH STRAIGHT SHAFT AVAILABLE	† P6 SMOOTH STRAIGHT SHAFT AVAILABLE				
					

\* For candy cane poles insert \_\_\_\_\_ AG ft (feet - above grade height). See diagram on reverse side.

† Tenon not supplied if fixture or arm slips shaft O D

## 6200 OXFORD SERIES

## POSTS / OPTIONS / POST CAPS

### BUILDING A PART NUMBER

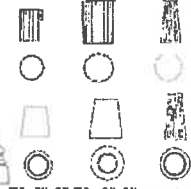
#### Straight Poles

MODEL / HEIGHT / SHAFT	POST CAP CENTER	OPTIONS	FINISH
62 16 FP5	BCC	FH	BK

#### Part Number Selections

MODEL	HEIGHT	SHAFT†
• 62	• 08' • 10' • 12' • 14' • 16' • 18'	• T5: 5'-3" Tapered Smooth • T6: 6'-3" Tapered Smooth • P5: 5" Straight Smooth • P6: 6" Straight Smooth • FP5: 5" Straight Fluted • FP6: 6" Straight Fluted • TFP6: 6'-3" Tapered Fluted • ETP6: 6'-4" Tapered Fluted

FP5 - 5" FP6 - 6" TFP6 - 6'-3" ETP6 - 6'-4"



#### OPTIONS AVAILABLE

• GFI	• SBAR	• PCD
• GFB	• DSPA	• SH
• FH	• DHPA	• SB
• SBA	• PA478	• WHK
• DBA		

T5 - 5'-3" T6 - 6'-3" ETP6 - 6'-4" DB Direct Burial HB Helix Burial

† See first page for height restriction.

#### Candy Cane Poles

MODEL / HEIGHT / SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
62 00 RT5	18 AG		BK

#### Part Number Selections

MODEL	HEIGHT	SHAFT†	ABOVE GRADE
• 62	• 00	• RT5: 5'-3" Tapered Smooth • RT6: 6'-3" Tapered Smooth • RP5: 5" Straight Smooth • RP6: 6" Straight Smooth • RFP5: 5" Straight Fluted • RFP6: 6" Straight Fluted • RTFP6: 6'-3" Tapered Fluted**	• 08' AG • 10' AG • 12' AG • 13' AG • 14' AG • 16' AG • 18' AG

\*\*Available in 11, 13, 15, AG

POST CENTER CAP (If Required)  
• BCC  
• FCC  
• SCC  
• TFCC  
• SSCC

STANDARD FINISHES\*  
• BKT Black Textured  
• WHT White Textured  
• PGT Park Green Textured  
• ABZT Architectural Medium Bronze Textured  
• DBT Dark Bronze Textured  
\*Smooth Finishes are available upon request

CUSTOM FINISHES  
• OI Old Iron

• RT Rust  
• WBR Weathered Brown  
• CD Cedar  
• WBK Weathered Black  
• TT Two Tone

#### STERNBERG SELECT FINISHES

• VG Verde Green  
• SI Swedish Iron  
• OWGT Old World Gray Textured



### OPTIONS AVAILABLE

See Accessories Section for more options and information

	GFI - Ground Fault Interrupter mounts in the pole		SBAR - Single Banner Arm and Ring		PCD - Photo Control mounts on door on pole
	GFB - Ground Fault Breaker <u>inside</u> base		DSPA - Double Stepped Planter Arms mount on either side		SH - Speaker Hub for mounting speaker, floodlight or signal
	FH - Flag Pole Holder mounts on the pole		DHPA - Double Hooked Planter Arms mount on either side		SB - Sign Bracket mounts on pole to hold signs
	SBA - Single Banner Arm mounts on the pole		PA478 - Decorative Planter Arms with planter rings		WHK - Wreath Hook mounts on pole to hold decorations
	DBA - Double Banner Arms mount on same side of the pole				

### POST CENTER CAPS (If Required)



BCC - Ball Center Cap



FCC - Finial Center Cap



SCC - Spiked Center Cap



TFCC - Tall Finial Center Cap



SSCC - Side Spiked Center Cap



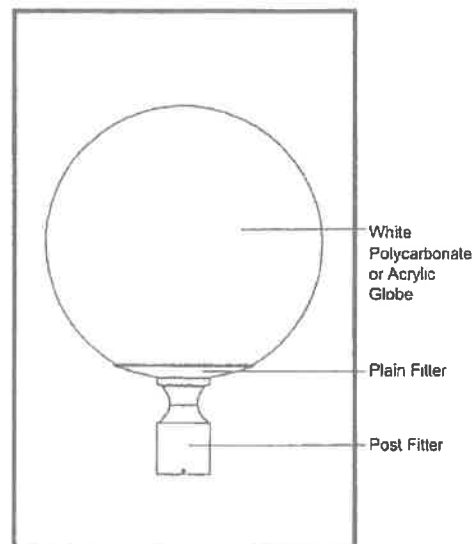
**SternbergLighting**  
ESTABLISHED 1923 / EMPLOYEE OWNED

555 Lawrence Ave. Roselle, IL 60172 • 847-588-3400 • Fax 847-588-3440  
www.sternberglighting.com Email: info@sternberglighting.com

## G14 / G24 PF LED GLOBE SERIES Upward SPECIFICATIONS

### LUMINAIRE DESIGN

- The luminaire shall be a classically Victorian styled globe which consists of a curved cast aluminum dish fitter and a white polycarbonate or acrylic globe.
- The luminaire shall have an LED Illuminating Tube (LIT) light source.
- The LIT module shall be an **IP65** water-tight, dust-tight assembly for years of maintenance free operation.
- The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada.



**EPA = 0.98 (ft²)**  
**WEIGHT = 6.5 LBS**

**Rated IP65**

### POST FITTER

- The dish fitter shall be heavy wall cast aluminum, alloy for high tensile strength.
- The fitter shall have an spring lock and release system for ease of attachment to the globe.
- The fitter shall be 9" in diameter for the 16"-24" globes and 6" in diameter for the 14" globes.
- The fitter shall have an inside diameter opening to 3" diameter pole or tenon. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon.

### DRIVER

- The LED driver shall be remote mounted. The driver can be in the arm, pole or base mounted depending on the selected options.
- The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

### LIGHT SOURCES / LIT MODULE

- The luminaire shall use high output, high brightness LEDs.
- The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface.
- The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity.
- The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils.
- The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant.
- The LED life rating data shall be determined in accordance with IESNA LM-80.

**LIST NO.**  
**G14 / G24 PF**  
**LED GLOBE**  
**SERIES**



## **G14 / G24 PF LED GLOBE SERIES Upward SPECIFICATIONS**

### **PERFORMANCE**

- The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- The High Performance white LEDs will have a life expectancy of approximately 70,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C.
- The High Brightness, High Output LED's shall be 4500K (3500K or 6000K option) color temperature with a minimum of 75 CRI.
- The luminaire shall have a minimum \_\_\_\_\_ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Light Source	Initial Delivered Lumens	Fixture Watts
<b>4S62TLFA-MDL03</b>	<b>1910</b>	<b>29</b>
<b>4S45TLFA-MDL03</b>	<b>1785</b>	<b>29</b>
<b>4S35TLFA-MDL03</b>	<b>1675</b>	<b>29</b>
<b>3S62TLFA-MDL03</b>	<b>1510</b>	<b>22</b>
<b>3S45TLFA-MDL03</b>	<b>1415</b>	<b>22</b>
<b>3S35TLFA-MDL03</b>	<b>1325</b>	<b>22</b>

### **ELECTRONIC DRIVERS**

- The driver shall be U.L. Recognized.
- The driver shall have overload as well as short circuit protection.
- The driver shall be a DC voltage output, constant current design, 50/60HZ.
- The driver shall have a minimum efficiency of 88%.
- The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90.

### **GLOBES**

- The white globe shall be \_\_\_\_\_" (14"- 24") in diameter.
- The globe shall be made of vandal resistant white polycarbonate (WP) or dent resistant (DR) white acrylic (WA).

### **ARMS**

- The arms shall be cast aluminum and /or extruded aluminum.
- Arms with decorative filigree shall have meticulously detailed scroll work and gracefully curved brackets.

## **G14 / G24 PF LED GLOBE SERIES Upward SPECIFICATIONS**

**LIST NO.  
G14 / G24 PF  
LED GLOBE  
SERIES**

- The arms shall be pre-wired for ease of installation.
- The arms shall be bolted to a post mount adaptor which is welded to the pole to ensure proper alignment to the base.
- (Twin TA and Twin 579 arms) The arms shall be attached to a decorative center hub which will fit the center tenon of the pole (not shown).

### **PHOTOCELL OPTIONS**

#### **Electronic Button Cell Type**

- Photocells shall be electronic button type.
- On single fixtures, the photocell shall be remote mounted with the driver.
- On multiple head fixtures, the photocell shall be mounted in the pole, on an access plate. The photocell is not pre-wired since drivers are mounted in the poles or base and packaged separately.
- The photocell is instant-on at 1.5 foot-candles and turns off 5-10 seconds at 2-3 foot-candles.
- The photocell is 120-277 volt.

### **FINISH**

- Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating.
- The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish.
- \*The optional \_\_\_\_\_ (Verde Green or Swedish Iron) finish shall be hand-brushed using a 3-step process.

### **WARRANTY**

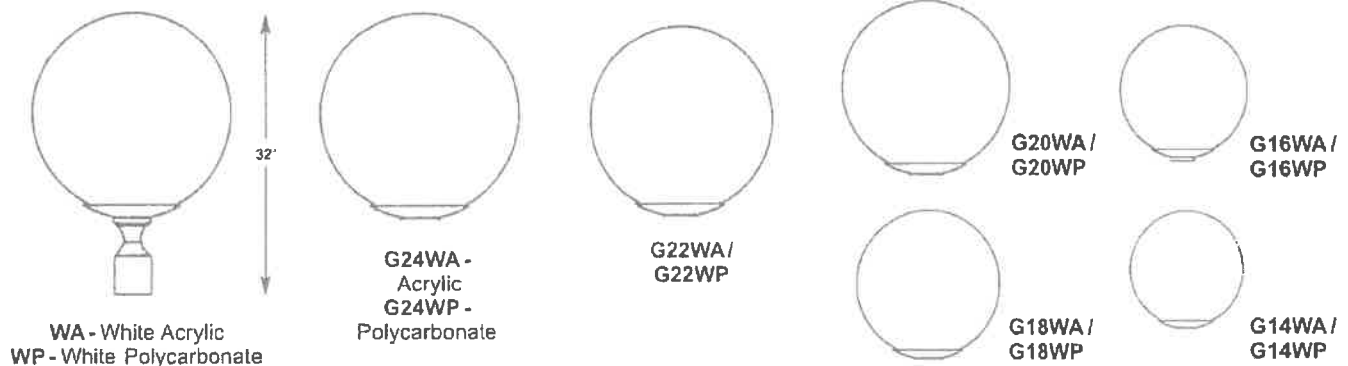
- The luminaire shall be free from all defects in materials and workmanship for a period of seven (7) years from the date of manufacture.
- The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10% simultaneous non-operating LEDs.
- The driver shall be warranted for seven (7) years.



# G14 / G24 PF LED GLOBE SERIES Upward

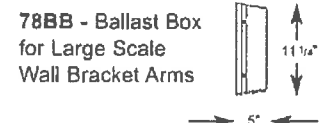
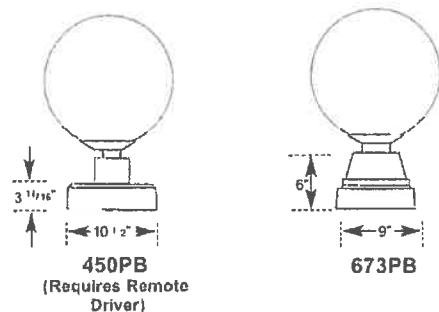
## GLOBES / PM

### GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS



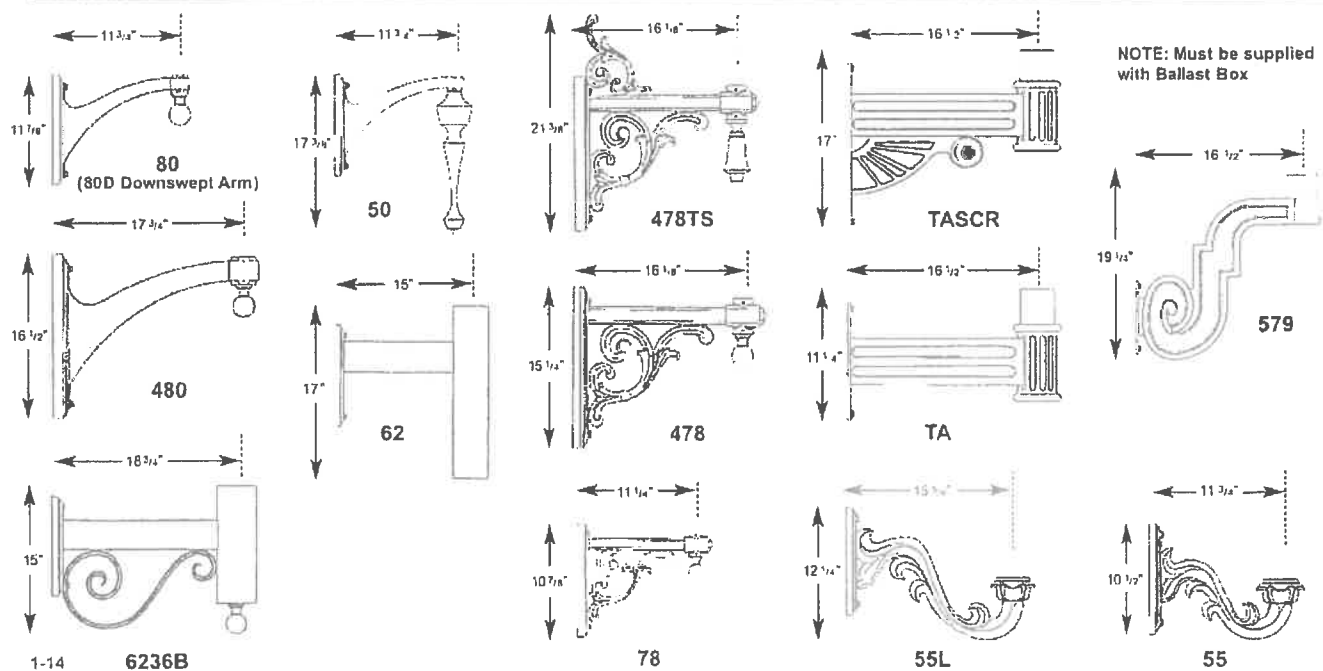
### PIER BASES

### BALLAST BOXES



### ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information





## BUILDING A PART NUMBER

### POST & ARM FIXTURES

ARM MOUNTED FIXTURE	POST TOP FIXTURE (PT)	POST	POST CAP					
NO. OF ARMS	GLOBE/FITTER/POSTARM	GLOBE	(See Post Section)	LIGHT SOURCE	DRIVER	OPTIONS	FINISH	
2	G18WALEDPF/80PM	PT	3610T4	4S45TLFA	MDL03	PEC1	BKT	

### WALL FIXTURES

GLOBE/FITTER/WALLBRACKET	LIGHT SOURCE	DRIVER	OPTIONS	FINISH	
G12WPLEDPF/78WBBB	3S45TLFA	MDL03		BKT	

#### PIER FIXTURES

Uses same information boxes as wall fixture

G16WALEDPF/673PB

GLOBE/PIER BASE

### PART NUMBER SELECTIONS

#### GLOBES

- G24WALEDPF
- G24WPLEDPF
- G22WALEDPF
- G22WPLEDPF
- G20WALEDPF
- G20WPLEDPF
- G18WALEDPF
- G18WPLEDPF
- G16WALEDPF
- G16WPLEDPF
- G14WALEDPF
- G14WPLEDPF

#### PIER BASE

- 450PB
- 673PB

#### POST ARMS

- 50PM
- 78PM
- 478PM
- 478TSPM
- 80PM
- 80DPM
- 480PM
- 480DPM
- 55PM
- 55LPM
- 62PM
- 121PM
- 6236BPM
- 6236PM
- 579PT
- TAPT
- TASCRIPT
- 91WPM

#### WALL BRACKET ARMS with BALLAST BOXES

- 50WB
- 62WB
- 478WB
- 478TSWB
- 80WB
- 80DWB
- 480WB
- 480DWB
- 55WB
- 55LWB
- 6236BWB
- 6236WB
- 579WB
- TAWB
- TASCROWB
- RWB
- 91WWB

#### LIGHT SOURCES

- 4S62TLFA  
29W, 6200K
- 4S45TLFA  
29W, 4500K
- 4S35TLFA  
29W, 3500K
- 3S62TLFA  
22W, 6200K
- 3S45TLFA  
22W, 4500K
- 3S35TLFA  
22W, 3500K

#### DRIVERS

- MDL03-Dimming  
120-277
- MDH03-Dimming  
347-480

#### STANDARD FINISHES\*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

\*Smooth Finishes are available upon request

#### CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

#### STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

#### OPTIONS

- PEC Photocell-Electronic 120-277 Volt
- FHD Dual Fuse and Holder
- PF Pineapple Finial or Font (TA, TASCRT)
- BF Ball Finial or Font (TA, TASCRT)

#### NOTES:

Pole Mounted Fixtures - Requires driver to be remote mounted in pole base.  
 Wall Mounted Fixtures - Requires wall bracket arms with ballast box attached.  
 Pier Mounted Fixtures - Requires 673PB Pier Base



## G12 / G20 PF GLOBE SERIES

## SPECIFICATIONS

### GENERAL

The PF Globe series is a classically Victorian styled fixture, which consists of a curved cast aluminum dish fitter and a white polycarbonate or acrylic globe.

### POST FITTER

The dish fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an spring lock and release system or ease of attachment to the globe. The fitter shall be 9" in diameter for the 16"- 20" globes and 6" in diameter for the 12"- 14" globes. It shall have an inside diameter opening to 3" diameter pole or tenon. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon.

### BALLAST

The ballast shall be remote mounted in the base of the pole, pole shaft, arm or ballast box.

### ELECTRICAL

Fixture shall be U.L. or E.T.L. listed in U.S. and Canada. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium base porcelain sockets that are 4KV rated are used for all ballasts. All compact fluorescent (PL) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket to accept quad or triple tube lamps. Ballasts shall be DOE EISA compliant.

### GLOBE

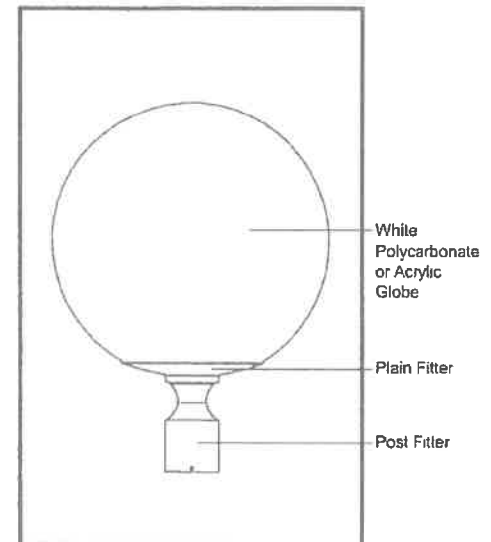
The globe shall be 12"- 20" in diameter. It will be made of vandal resistant white polycarbonate or dent resistant (DR) white acrylic. The globe is available in a solid roof (SR) for added distinction and reduced up-light. The solid roof will be made of spun aluminum and securely affixed to the top of the globe. The solid roof shall be appointed with a cast aluminum decorative 4-vane finial.

### OPTICAL OPTIONS For Clear Globes

For 16"- 20" Clear Globes Only, Refractors shall be 6" diameter, borosilicate glass (large) with an I.E.S. Type 3 or 5 distribution. It shall be secured to the fitter with  $\frac{3}{8}$ " plated steel threaded pipe nipple and rest on a cast aluminum holder with anti-shock gasket. The refractor will be secured to the cast holder with a quarter-turn internal aluminum twist ring for ease of maintenance. **House Side Shield (HSS)** are available which block 120° of light in any one direction.

### QUARTZ RE-STRIKE

The PF Globe fixture may be supplied with an optional quartz re-strike system to retain constant fixture light if the H.I.D. lamp fails. Consult factory as some applications may not be compatible. The fixture will be equipped with a 100 watt quartz lamp and a controller to run on a 120 volt circuit and must be used in conjunction with a 120 volt or multi-tap ballast.

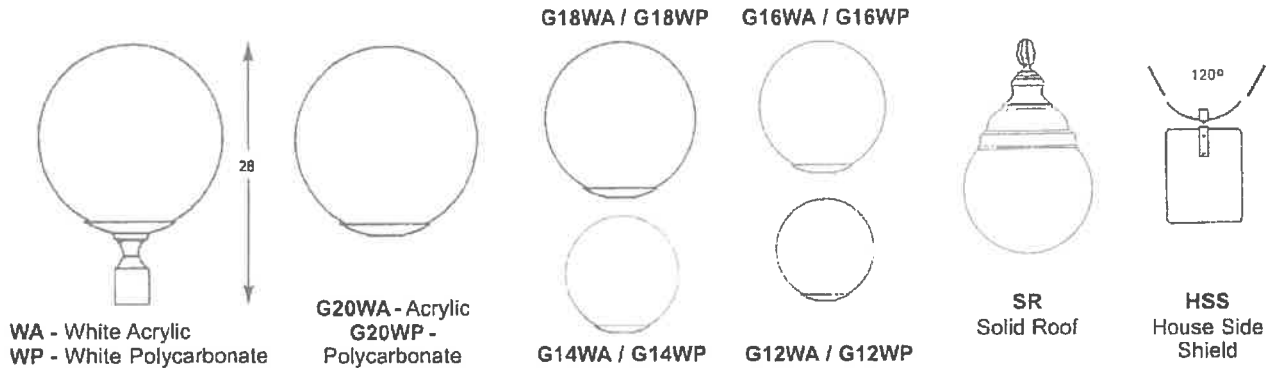


**G18 EPA = 0.98 (ft²)  
WEIGHT = 3 LBS**

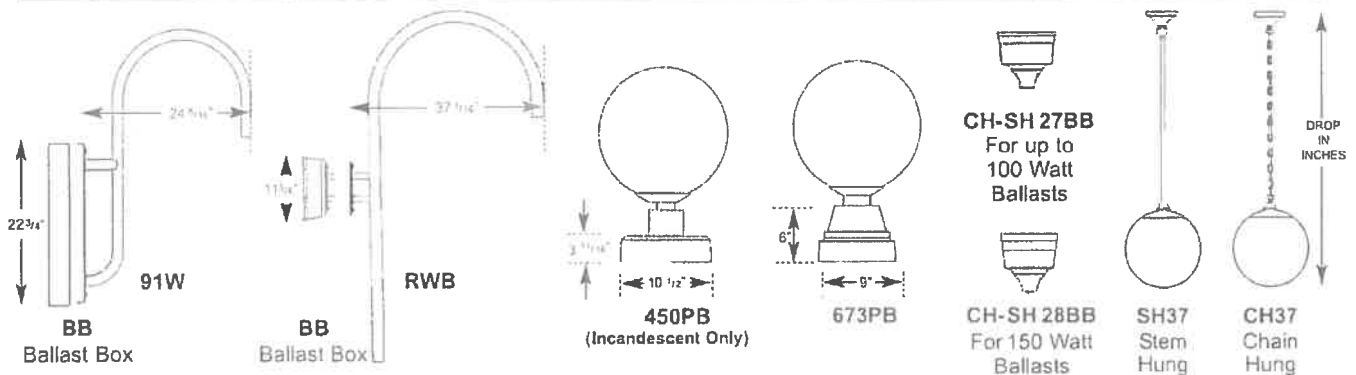
# G12 TO G20 PF GLOBE SERIES

# GLOBES / ARMS PM-WB

## GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS

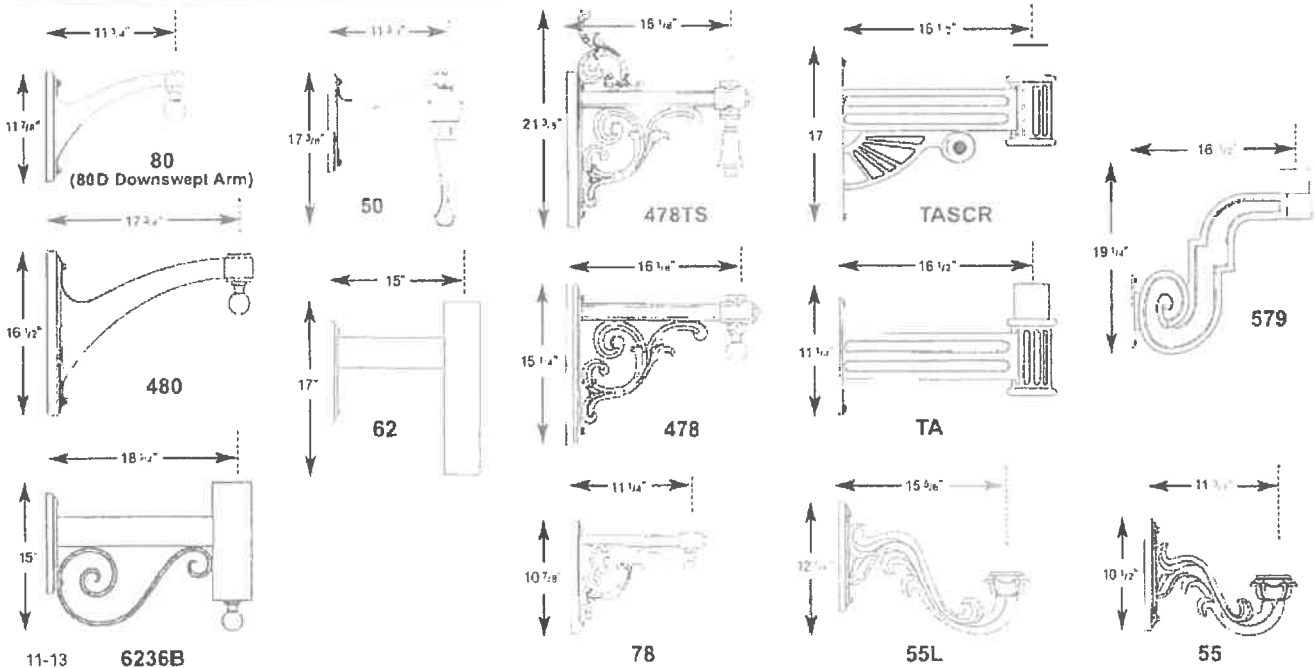


## ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)    PIER BASES    HANGING BRACKETS



## ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information



## BUILDING A PART NUMBER

### POST & ARM FIXTURES

ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
NO. OF ARMS	GLOBE / FITTER / POSTARM	GLOBE	(See Post Section)	WATTS / TYPE / VOLTS			
2	G18WA/80PM	PT	3610T4	100 HPS120		PEC1	BK

### WALL FIXTURES

GLOBE / FITTER / WALLBRACKET	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH	PIER FIXTURES Uses same information boxes as wall fixture
G12WP/78WBBB	50 HPS120			BK	G16WA/673PB
					GLOBE / PIER BASE

### PART NUMBER SELECTIONS

#### GLOBES<sup>2</sup>

- G20WAPF<sup>5</sup>
- G20WPPF<sup>4</sup>
- G18WAPF<sup>5</sup>
- G18WPPF<sup>5</sup>
- G16WAPF<sup>6</sup>
- G16WPPF<sup>6</sup>
- G14WAPF<sup>7</sup>
- G14WPPF<sup>7</sup>
- G12WAPF<sup>8</sup>
- G12WPPF<sup>8</sup>

#### OPTICS

- HSS
- LO3\*
- LO5\*
- RE3G\*
- RE5G\*

\*For Clear  
Globes Only

#### POST ARMS

- 50PM
- 78PM
- 478PM
- 478TSPM
- 80PM
- 80DPM
- 480PM
- 480DPM
- 55PM
- 55LPM
- 62PM
- 121PM
- 6236BPM
- 6236PM
- 579PT
- TAPT
- TASCRTY
- 91WPM

#### PIER BASE

- 450PB
- 673PB

#### WALL BRACKET

- ARMS
- 50WB
- 62WB
- 478WB
- 478TSWB
- 80WB
- 80DWB
- 480WB
- 480DWB
- 55WB
- 55LWB
- 6236BWB
- 6236WB
- 579WB
- TAWB
- TASCRTWB
- RWB
- 91WWB

#### WALL BRACKET ARMS With BALLAST BOXES

- 50WBBB
- 78WBBB
- 80WBBB
- 80DWBBB
- 478WBBB
- 480WBBB
- 480DWBBB
- 55WBBB
- 55LWBBB
- 62WBBB
- 6236WBBB
- RRWBBB
- 91WWBBB

#### HANGING BRACKETS

- CH37
- SH37
- CH27B
- SH27B
- CH28
- SH28

#### BALLASTS<sup>3,10,12</sup>

- 35HPS<sup>1</sup>
- 50HPS<sup>2</sup>
- 70HPS
- 100HPS
- 150HPS
- 200HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 200MHP
- 250MHP
- 26PLT
- 32PLT
- 42PLT
- INCAND

#### LAMPS<sup>4,12</sup>

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS250/MOG/ED18
- MHP50/MED
- MHP70/MED
- MHP100/MED
- MHP150/MED
- MHP200/MOG/ED28
- MHP250/MOG/ED28
- PLT26
- PLT32
- PLT42

#### VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI  
(120-277)

#### STANDARD FINISHES\*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

\*Smooth Finishes are available upon request

#### CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

#### STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

#### OPTIONS

- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- R<sup>13</sup> Receptacle only for Rotolock Photo Cell
- R1<sup>13</sup> Rotolock Photo Cell 120-277 Volt
- G<sup>15</sup> GFI 15 Amp for 980
- FHS Single Fuse and Holder-120, 277 Volt
- FHD Dual Fuse and Holder-208, 240, 480 Volt
- QR Quartz Re-Strike
- PF Pineapple Finial or Font (TA, TASCRT)
- BF Ball Finial or Font (TA, TASCRT)
- SR\* Solid Roof
- LAMPS Select from List

#### NOTES:

- <sup>1</sup> 35HPS is 120 volt only.
- <sup>2</sup> 50HPS available as 120 or 277 volt only. Others are special order.
- <sup>3</sup> Clear Polycarbonate and Acrylic globes are available. Specify CP or CA after globe.
- <sup>4</sup> Standard is clear, for coated HID lamps add C (MH70/C/MED). Medium base sockets standard with ballasts up to 150 wattsHID. Mogul base sockets are standard with ballasts 200 watts and over. 4-pin for PL.
- <sup>5</sup> 250 Watt Maximum
- <sup>6</sup> 100 Watt Maximum
- <sup>7</sup> 50 Watt Maximum
- <sup>8</sup> 175 Watt Maximum
- <sup>9</sup> 70 Watt Maximum
- <sup>10</sup> G16 and G18 globes only.

<sup>11</sup> Pole Mounted Fixtures - Requires ballast to be remote mounted in pole base except if used with 100 watt max. in 6236B Arms.

Wall Mounted Fixtures - Requires wall bracket arms with ballast box attached, except if used with 100 watt max. in 6236B or 62 Arms.

Pier Mounted Fixtures - Requires 673PB Pier Base.

Hanging Fixtures - Requires hanging bracket with ceiling ballast box attached.

<sup>12</sup> Metal halide systems are pulse start.

<sup>13</sup> For 9 or 9T filter only.

**G12 TO G20 PF GLOBE SERIES****SPECIFICATIONS****LIST NO.  
G12 TO G20  
PF GLOBE  
SERIES****PHOTOCELLS**

Photocells shall be either the thermo bi-metal button type or the electronic button type. On single post top fixtures the photocell shall be mounted in the fitter and pre-wired to ballast. On multiple head fixture assemblies photocells shall be mounted in the pole shaft on an access plate and are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source. The thermo bi-metal photocell shall be designed to turn on at 1.0 footcandle and turn off at not more than 5 footcandles. The electronic button type photocell is instant on and a 5-10 second turn off and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocells are either 120 volt or 208 thru 277 volt.

**ARMS**

All arms are made of cast aluminum and/or extruded aluminum. Arms with decorative filigree have meticulously detailed scrollwork and gracefully curved brackets. All PF Globe fixtures will be mechanically attached at the factory to ensure arms will be plumb, secure and level over the life of the installation. Each arm shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base. Twin TA, TASCAR and 579 arms will be attached to a decorative center hub which will slip-fit the center tenon of the pole (not shown). BA and 779 arms are available as a twin application. Arms are pre-wired for ease of installation.

**FINISH**

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

**WARRANTY**

Five-year limited warranty. See product and finish warranty guide for details.





BASE

1000

## BASE

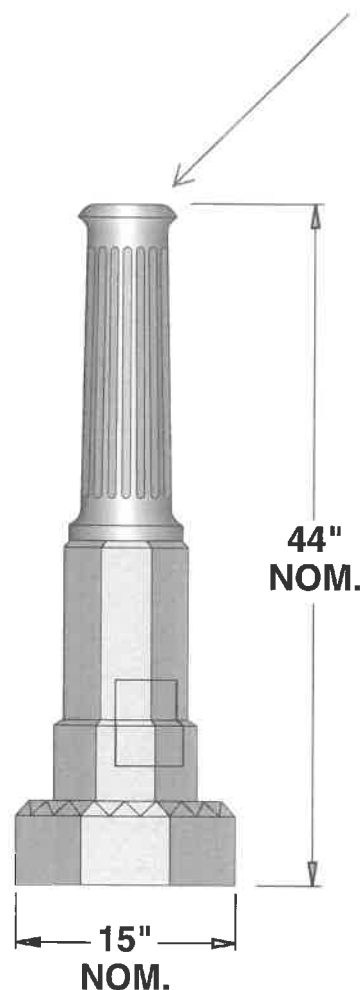
ONE PIECE CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION, MINIMUM .210 WALL THICKNESS. BASE CONSISTS OF A SMOOTH, STEPPED BOTTOM SECTION WITH HAND HOLE AND A DECORATIVE FLUTED SECTION CONSISTING OF EVENLY SPACED, HIGHLY DETAILED RAISED VERTICAL FLUTES. HAND HOLE COVER SUPPLIED WITH TAMPER RESISTANT HARDWARE. GROUNDING LUG PROVIDED INSIDE BASE OPPOSITE HAND HOLE.

## ANCHORAGE

A 3/4" CAST ALUMINUM ANCHOR RING IS WELDED 1" ABOVE BOTTOM OF BASE TO ACCEPT (4) FULLY GALVANIZED ANCHOR BOLTS. EACH BOLT SUPPLIED WITH TWO NUTS AND TWO WASHERS. ANCHORAGE IS FASTENED THROUGH HAND HOLE.

## FINISH

ELECTROSTATICALLY APPLIED BAKED ON TEXTURED ACRYLIC ENAMEL. (SEE PAGE 5 FOR OPTIONAL FINISH AND COLOR SELECTION)



**sun valley**  
LIGHTING

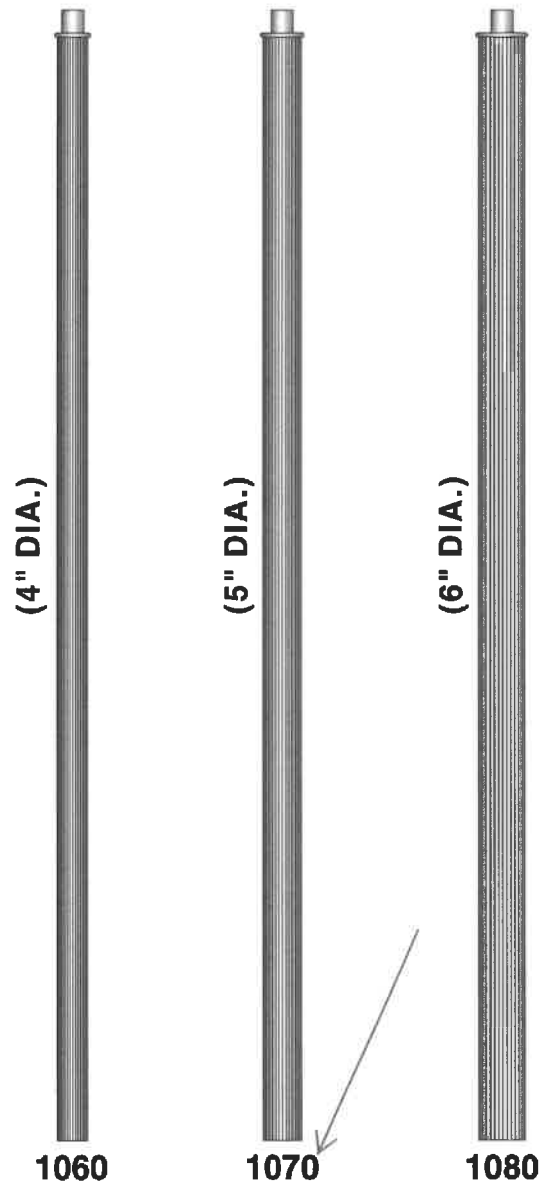
660 WEST AVENUE O, PALMDALE, CA 93551  
(661) 233-2000  
FAX (661) 233-2001  
[www.sunvalleylighting.com](http://www.sunvalleylighting.com)

B-41

# FLUTED

FLUTED

ROUND EXTRUDED FROM 6063 ALLOY ALUMINUM. HEAT TREATED TO PRODUCE A T6 TEMPER. SHAFTS HAVE EVENLY SPACED HIGHLY DETAILED RAISED VERTICAL FLUTES.



(FLUTED ALUMINUM SHAFTS)  
SHAFT WALL THICKNESS .188

POLES PROVIDED WITH TENON TOP  
POST TOP (PT): 2 7/8" O.D. X 3"  
MULTIPLE LUMINAIRES: 2 7/8" O.D. X 6"



**sun valley**  
LIGHTING

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(661) 233-2000  
FAX (661) 233-2001  
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# SOLID STATE AREA LIGHTING

## LG SERIES-LED

### SPECIFICATIONS

#### LUMINAIRE

One piece high impact polycarbonate globe provided with durable corrosion resistant cast aluminum fitter and cage. Standard fitter has 3" I.D. opening for tenon. All hardware is Stainless Steel.

#### LED POWER ARRAY™

Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. An acrylic Lens and end cap protects the LED Tube's internal components.

#### VERTICAL POWER ARRAY™ WITH GLASS REFRACTOR:

LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources. Array is secured within a 6" Prismatic Glass Refractor which provides the optical control. Used in conjunction with a clear smooth globe.

**VERTICAL POWER ARRAY™:** LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with an opal smooth diffusing globe.

#### LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

#### LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

#### FINISH

Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: \_\_\_\_\_

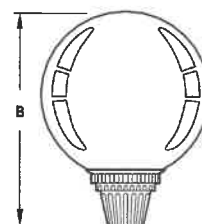
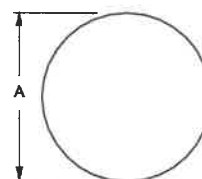
PROJECT TYPE: \_\_\_\_\_



**LG\***

\*LG18 SHOWN WITH -YA FITTER

PATENT PENDING



FIXTURE	A	B
<b>LG24</b>	24" 673mm	33" 813mm
<b>LG22</b>	22" 546mm	28.5" 660mm
<b>LG18</b>	18" 673mm	24" 813mm
<b>LG16</b>	16" 546mm	22" 660mm
<b>LG14</b>	14" 435mm	19.5" 533mm



2014250

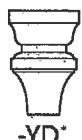


# LG SERIES - LED

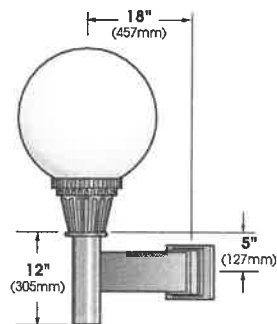
PATENT PENDING

## SPECIFICATIONS

### OPTIONAL FITTERS

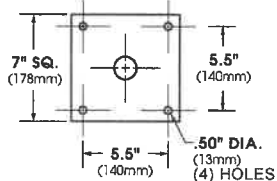


### WALL MOUNT



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

### WALL PLATE



### LED POWER ARRAY™ MODULES



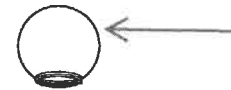
**LG22-LED** E.P.A. = 2.20



**LG24-LED** E.P.A. = 2.59

**GLASS REFRACTOR w/ VERTICAL ARRAY**  
Available in:  
6 Array 36 LED Max..

**VERTICAL ARRAY**  
Available in:  
6 Array 48 LED Max.  
8 Array 64 LED Max.



**LG14-LED** E.P.A. = 1.01



**LG16-LED** E.P.A. = 1.26



**LG18-LED** E.P.A. = 1.53

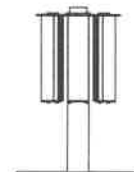
**GLASS REFRACTOR w/ VERTICAL ARRAY**  
Available in:  
6 Array 36 LED Max..

**VERTICAL ARRAY**  
Available in:  
8 Array 48 LED Max. \*  
6 Array 36 LED Max.

\*LG18 Only



**GRV - Glass Refractor w/ Vertical Array**  
Base mount



**VPA - Vertical Array**  
Base mount

\* AVAILABLE WITH MINI BUTTON PHOTOCELLS  
\*SEE OPTIONS

Spec/Order Example: LG22-YA-LED/VPA-SYM/48NW347/4-90/RAL6005-S/HLSW

## ORDERING INFORMATION

LUMINAIRE-FITTER	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS
LUMINAIRE	GLASS REFRACTOR (CLEAR ACRYLIC STANDARD)	# of LEDs	COLOR		ARM MOUNT	STANDARD TEXTURED FINISH	LENS OPTIONS:
<input type="checkbox"/> LG24-LED	<input type="checkbox"/> GRV - III	LG24/22/18/16/14	<input type="checkbox"/> NW (4000K) * * STANDARD		<input checked="" type="checkbox"/>	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> CLEAR SMOOTH ACRYLIC ..... CA
<input type="checkbox"/> LG22-LED	<input type="checkbox"/> GRV - V	<input checked="" type="checkbox"/> 36LED (40 Watts)	<input type="checkbox"/> CW (5000K)		<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> OPAL SMOOTH ACRYLIC ..... WA
<input type="checkbox"/> LG18-LED		Wattages are Max Input Watts	<input type="checkbox"/> WW (3000K)		<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> CLEAR SMOOTH POLYCARBONATE ... CP
<input type="checkbox"/> LG16-LED			OTHER LED COLORS AVAILABLE CONSULT FACTORY		<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> OPAL SMOOTH POLYCARBONATE ... WP
<input checked="" type="checkbox"/> LG14-LED					<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T	
FITTER	VERTICAL POWER ARRAY (OPAL ACRYLIC STANDARD)	LG24/22	LG18	VOLTAGE			<input type="checkbox"/> HOUSE SIDE SHIELD. ... HS
<input type="checkbox"/> -YA	<input type="checkbox"/> VPA - SYM	<input type="checkbox"/> 64LED (71 Watts)	<input type="checkbox"/> 48LED (53 Watts)	<input type="checkbox"/> 120			<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) ..... DIM
<input type="checkbox"/> -YB		<input type="checkbox"/> 48LED (53 Watts)	<input type="checkbox"/> 36LED (40 Watts)	<input type="checkbox"/> 208			<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... HLSW
<input type="checkbox"/> -YC		<input type="checkbox"/> 36LED (40 Watts)	LG16/14	<input type="checkbox"/> 240			<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) .... PC+V
<input type="checkbox"/> -YD		Wattages are Max Input Watts	<input type="checkbox"/> 36LED (40 Watts)	<input type="checkbox"/> 277	WALL MOUNT	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)	<input type="checkbox"/> 10KV SURGE PROTECTOR. .... 10SP
<input checked="" type="checkbox"/> -YE				<input type="checkbox"/> 347	<input type="checkbox"/> WM	SEE USALITG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) .... 20SP
				<input type="checkbox"/> 480	POST TOP		
					<input checked="" type="checkbox"/> PT		

Sun Valley Lighting

660 West Avenue O, Palmdale, CA 93551  
Phone (661) 233-2000 Fax (661) 233-2001  
www.usaligt.com

**SUN VALLEY**  
LIGHTING