

CITY OF WASHINGTON

PLANNING & DEVELOPMENT DEPARTMENT

301 Walnut St. · Washington, IL 61571

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

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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 30, 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.

As a follow-up to the conversation at the June meeting, staff solicited quotes through Ty Slonneger of RNS Electric for an 18' pole with either a single-head or five-head fixtures and either HPS or LED. These are from Sternberg and Sun Valley Lighting. A spreadsheet is attached with those quotes along with the specs that staff was given for the Sternberg lights. Ty also provided quotes for banner arms, light deflectors, and rotatable street signs. Sun Valley has the lower cost on each of these items with the exception of the street sign.

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. An option to utilize the same appearance would be to have single-globe fixtures on the perimeter and have five-globe fixtures on the interior and the northeastern parking lot. While a formal analysis of the five-globe lights has not been done, they appear to be in solid shape.

This is scheduled for review at the July 3 Public Works Committee meeting.

Square Streetlight Options									
		Poles/Fixtures			Accessories				
Vendor	18' LED 5-head	18' HPS 5-head	18' LED 1-head	18' HPS 1-head	18' banner arms	Light Deflector	Rotatable street sign		
Sternberg	\$8,760	\$7,225	\$4,095	\$3,758	\$508.69	??	\$270		
Sun Valley	\$6,965	\$4,950	\$2,764	\$1,638	\$170	\$45	\$295		

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.

RNS Electric, Inc.

PO Box 367
Washington, IL 61581
309.444.5200

Proposal

June 13, 2017

City of Washington
301 Walnut St
Washington, IL. 61571

Re: New square pole lighting options. **Sternberg**

We propose to supply the following material.

- Sternberg 18' pole and 5 globe type heads (One 150-watt HPS and four 35-watt HPS) **with HID type lighting lamps and ballast:**.....\$7,225.00
- Sternberg 18' pole and 5 globe type heads with **LED type lighting:**.....\$8,760.00
- Sternberg 18' pole and 1 globe type head (One 150-watt HPS) **with HID type lighting lamp and ballast:**.....\$3,758.00
- Sternberg 18' pole and 1 globe type head with **LED type lighting:**.....\$4,095.00

All of the above mentioned poles include two receptacles on them. One receptacle is located below the head and one is above the base.

Additional Items:

- **One set of banner arms:**.....\$508.69
- **One decorative street sign for use with 24" sign blade:**.....\$270.00

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.

RNS Electric, Inc.

PO Box 367
Washington, IL 61581
309.444.5200

Proposal

June 13, 2017

City of Washington
301 Walnut St
Washington, IL. 61571

Re: New electrical service & instanton of pole light in SE parking lot near Ipava State.

We propose to supply the following material.

- New Milbank meter pedicel with 100-amp single phase 120/240-volt panel and meter socket.
- #2 aluminum wire in existing conduit from NW Corner Island to Ameren utility pole.
- #10 copper wire from new power pedicle to new 18' aluminum pole light located south of Ipava State Bank.
- Simple dusk to dawn controls with override switch to control pole lighting.
- Rework existing PVC conduits at pole light and electrical service.
- **Installation only of single head 18' pole.**

Total Quote: \$4,235.00

Additional Items:

- **Additional labor if 5 head pole is selected over single head pole :Add:\$320.00**

This Proposal does not include:

- **Any sales tax on material.**
- **Any supply of pole light or fixtures in this proposal.**
- **Any overtime or double time.**
- **Any concrete foundation for pole light.**

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.



PO Box 367
Washington, IL 61581
309.444.5200

Proposal

June 12, 2017

City of Washington
301 Walnut St
Washington, IL. 61571

Re: ISB lot Sun Valley pole with options.

We propose to supply the following material.

- New 10-1070-18FT-PT-XX-STD Finish pole:.....**\$1,120.00**
- New LG18-YE-WA-150-watt HPS-STD Finish HID fixture:.....**\$518.00**
- New LG22-LED-YE-WA-VPA-SYM-64LED-STD Finish LED fixture:**\$1,644.00**
- New set of RBA18-STD Finish Banner arms:.....**\$170.00**
- New HSS House shield lighting deflector:.....**\$45.00**
- New RSS-STD Rotatable street sign with no letters:.....**\$295.00**

This Proposal does not include:

- **Any sales tax on material.**
- **Any installation.**
- **Any receptacles on pole.**

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.



PO Box 367
Washington, IL 61581
309.444.5200

Proposal

June 21, 2017

City of Washington
301 Walnut St
Washington, IL. 61571

Re: ISB lot Sun Valley 5 head LED pole with options.

We propose to supply the following material.

- New 5 head 18ft pole with 4+1 arm and 5 LED fixtures:.....\$6,965.00
- New set of RBA18-STD Finish Banner arms:.....\$170.00
- New HSS House shield lighting deflector:.....\$45.00
- New RSS-STD Rotatable street sign with no letters:.....\$295.00

This Proposal does not include:

- **Any sales tax on material.**
- **Any installation.**
- **Any receptacles on pole.**

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.



PO Box 367
Washington, IL 61581
309.444.5200

Proposal

June 26, 2017

City of Washington
301 Walnut St
Washington, IL. 61571

Re: ISB lot Sun Valley 5 head HPS pole with options.

We propose to supply the following material.

- New 5 head 18ft pole with 4+1 arm and 5 LED fixtures:.....**\$4,950.00**
(150-watt HPS in the center and four 50-watt HPS)
- New set of RBA18-STD Finish Banner arms:.....**\$170.00**
- New HSS House shield lighting deflector:.....**\$45.00**
- New RSS-STD Rotatable street sign with no letters:.....**\$295.00**

This Proposal does not include:

- **Any sales tax on material.**
- **Any installation.**
- **Any receptacles on pole.**

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.

3700 VIRGINIA SERIES

SPECIFICATIONS

GENERAL

The ____ ft tall* decorative post shall be aluminum, one-piece construction. The 11 3/4" square cast aluminum octagonal and fluted base shall be constructed with a ____ inch diameter extruded aluminum shaft. The model shall be Sternberg Lighting #3700 or #3700R 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 octagonal stepped base transitioning into a fourteen flute top section and be made of heavy wall, 356 alloy cast aluminum. It shall have a 3/4" thick floor cast as an integral part of the base. The bolt cover shall be made of cast aluminum. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

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

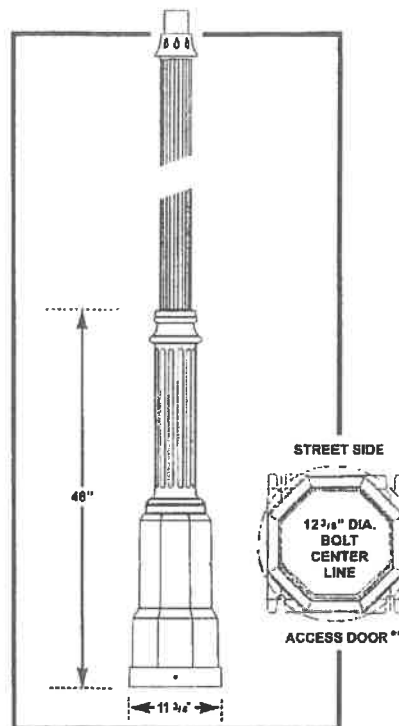
____ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

____ 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.

INSTALLATION

Four 1/2" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring 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.

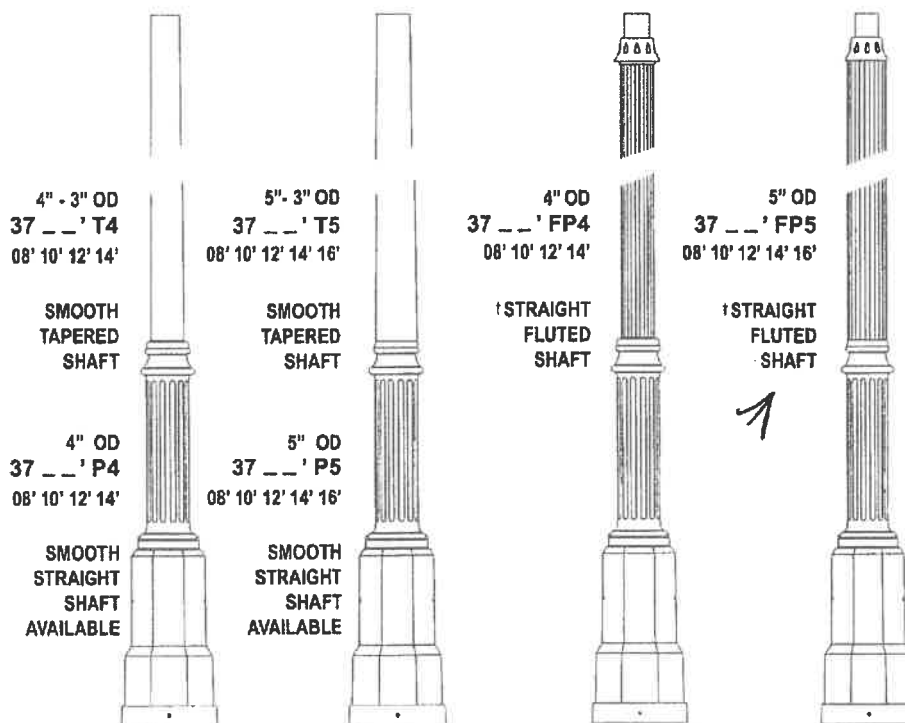
Indicate the type of shaft needed (above)



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

Cast Aluminum - Extruded Poles

11 3/4" Diameter Base x 48" High



* For candy cane poles insert

AG ft (feet - above grade height). See diagram on reverse side

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

3700 VIRGINIA SERIES

POSTS / OPTIONS / POST CAPS

BUILDING A PART NUMBER

Straight Poles

MODEL/HEIGHT/SHAFT	POST CAP CENTER	OPTIONS	FINISH
37 12 FP4	BCC	FH	BK

Part Number Selections

MODEL	HEIGHT	SHAFT
37	08'	T4: 4"-3" Tapered Smooth*
	10'	T5: 5"-3" Tapered Smooth
	12'	P4: 4" Straight Smooth
	14'	P5: 5" Straight Smooth
	16'	FP4: 4" Straight Fluted*
	18'	FP5: 5" Straight Fluted

*Maximum recommended height 14'

OPTIONS AVAILABLE

GFI	SBAR	PCD
GFB	DSPA	SH
FH	DHPA	SB
SBA	PA478	WHK
DBA		
DB Direct Burial • HB Helix Burial		

SHAFT

T4 - 4"-3" T5 - 5"-3"

FP4 - 4" FP5 - 5"

HEIGHT

Candy Cane Poles

MODEL/HEIGHT/SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
37 00 RT4	12 AG		BK

Part Number Selections

MODEL	HEIGHT	SHAFT	ABOVE GRADE
37	00	RT4: 4"-3" Tapered Smooth	08' AG
		RT5: 5"-3" Tapered Smooth	10' AG
		RP4: 4" Straight Smooth	12' AG
		RP5: 5" Straight Smooth	14' AG
		RFP4: 4" Straight Fluted	16' AG
		RFP5: 5" Straight Fluted	

POST CENTER CAP (If Required)

BCC FCC SCC TFCC

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

- DI Old Iron














STERNBERG SELECT FINISHES

- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone
- VG Verde Green
- SI Swedish Iron
- DWGT Old World Gray Textured






ABOVE GRADE HEIGHT

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 <i>inside</i> 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	 SCC - Spiked Center Cap	 SSCC - Side Spiked Center Cap
 FCC - Finial Center Cap	 TFCC - Tall Finial Center Cap	

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.

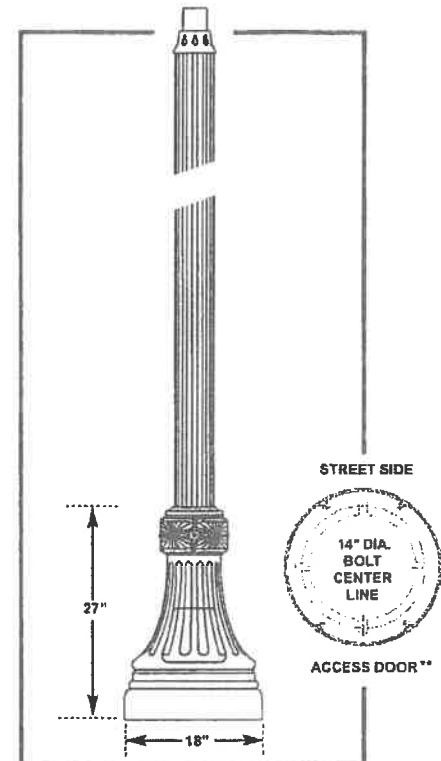
The extruded tapered fluted shaft shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

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'

SMOOTH
TAPERED
SHAFT

† P5 SMOOTH
STRAIGHT
SHAFT
AVAILABLE

6" - 3" OD
62 -- 'T6
10' 12' 14'
16' 18'

SMOOTH
TAPERED
SHAFT

† P6 SMOOTH
STRAIGHT
SHAFT
AVAILABLE

5" OD
62 -- 'FP5
10' 12' 14'
16' 18'

† STRAIGHT
FLUTED
SHAFT

6" OD
62 -- 'FP6
10' 12' 14'
16' 18'

† STRAIGHT
FLUTED
SHAFT

6" - 3" OD
62 -- 'TFP6
10' 12' 14'

TAPERED
FLUTED
SHAFT

6" - 4" OD
62 -- 'ETFP6
12' 14'
16' 18'

TAPERED
FLUTED
SHAFT

* 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

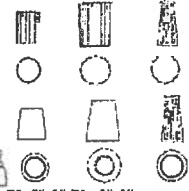
Candy Cane Poles

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

Part Number Selections

MODEL	HEIGHT	SHAFT†
• 62	• 08'	• T5: 5'-3" Tapered Smooth
	• 10'	• T6: 6'-3" Tapered Smooth
	• 12'	• P5: 5" Straight Smooth
	• 14'	• P6: 6" Straight Smooth
	• 16"	• FP5: 5" Straight Fluted
	• 18"	• FP6: 6" Straight Fluted
		• TFP6: 6'-3" Tapered Fluted
		• ETFP6 6'-4" Tapered Fluted

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



OPTIONS AVAILABLE

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

• DB Direct Burial • HB Helix Burial

Part Number Selections

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

** Available in 11, 13, 15, AG

POST CENTER CAP (If Required)

• BCC	• FCC	• SCC	• TFCC	• SSCC
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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
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• 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

† See first page for height restriction.

OPTIONS AVAILABLE

See Accessories Section for more options and information.



GFI - Ground Fault Interrupter mounts in the pole



GFB - Ground Fault Breaker inside base



FH - Flag Pole Holder mounts on the pole



SBA - Single Banner Arm mounts on the pole



DBA - Double Banner Arms mount on same side of the pole



SBAR - Single Banner Arm and Ring



DSPA - Double Stepped Planter Arms mount on either side



DHPA - Double Hooked Planter Arms mount on either side



PA478 - Decorative Planter Arms with planter rings



PCD - Photo Control mounts on door on pole



SH - Speaker Hub for mounting speaker, floodlight or signal



SB - Sign Bracket mounts on pole to hold signs



WHK - Wreath Hook mounts on pole to hold decorations

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



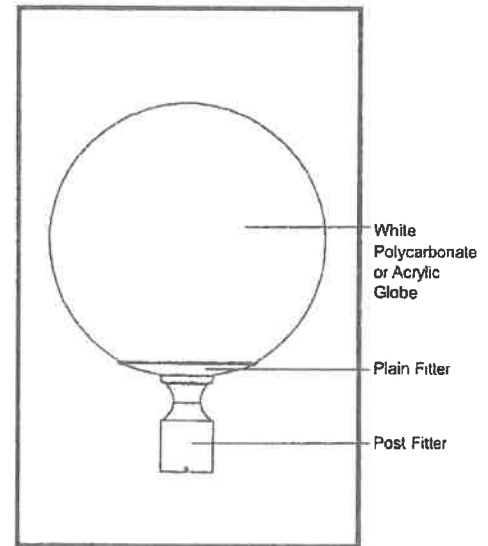
SternbergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

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
4S62TLFA-MDL03	1910	29
4S45TLFA-MDL03	1785	29
4S35TLFA-MDL03	1675	29
3S62TLFA-MDL03	1510	22
3S45TLFA-MDL03	1415	22
3S35TLFA-MDL03	1325	22

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

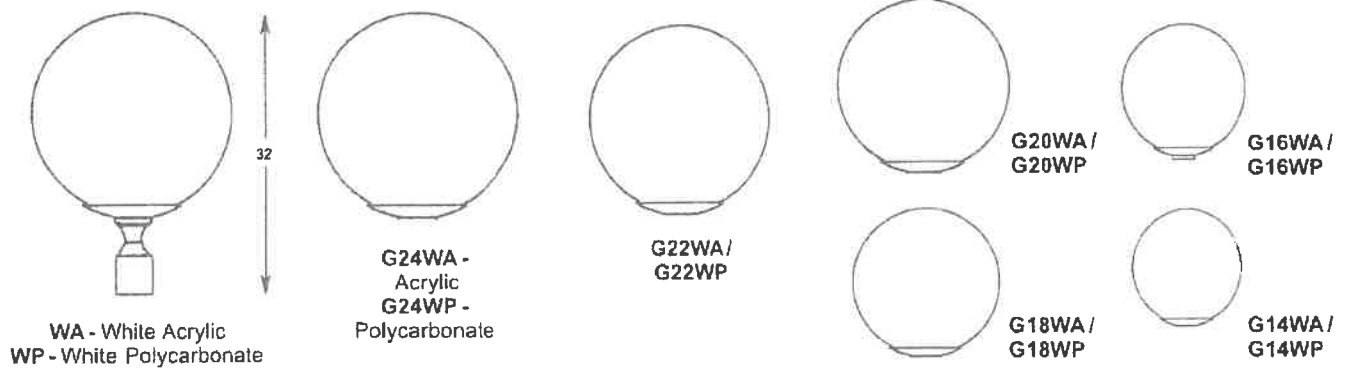
- The luminaire shall be free from all defects in materials and workmanship for a period of seven (7) years from the date of manufacture.
- The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10% simultaneous non-operating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



G14 / G24 PF LED GLOBE SERIES Upward

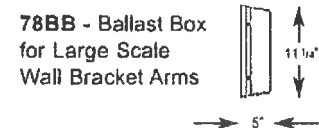
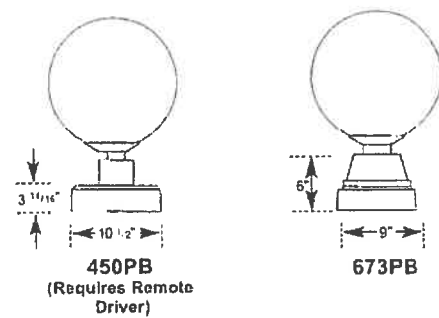
GLOBES / PM

GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS



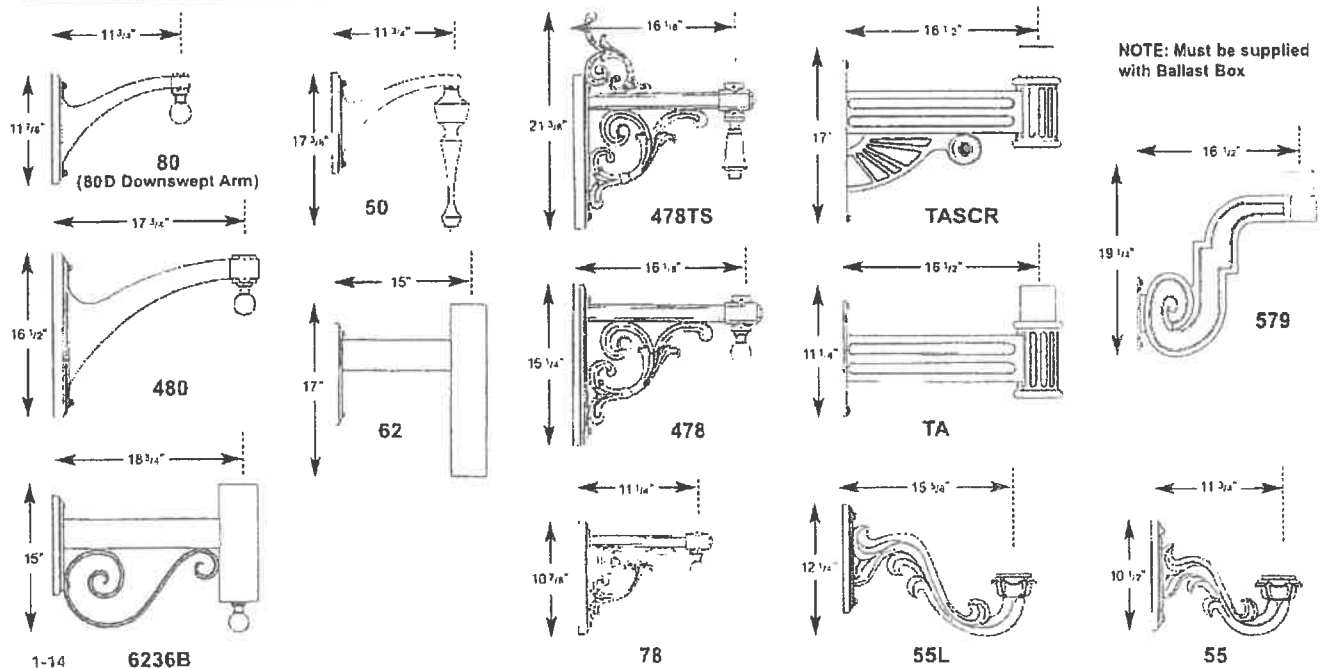
PIER BASES

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	PIER FIXTURES Uses same information boxes as wall fixture
G12WPLEDPF/78WBBB	3S45TLFA	MDL03		BKT	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

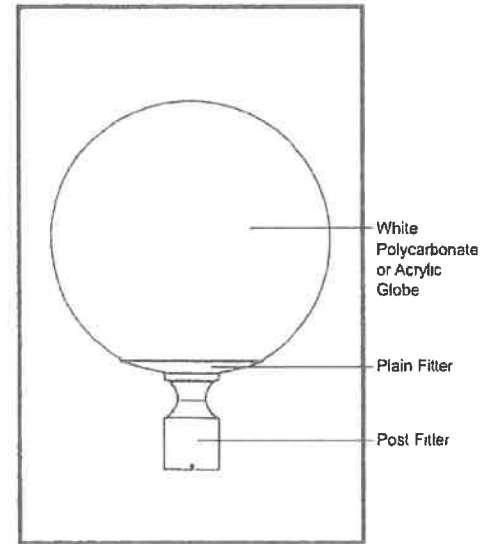
The globe shall be 12"-20" in diameter. It will be made of vandal resistant white polycarbonate or dent resistant (DR) white acrylic. The globe is available in a solid roof (SR) for added distinction and reduced up-light. The solid roof will be made of spun aluminum and securely affixed to the top of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



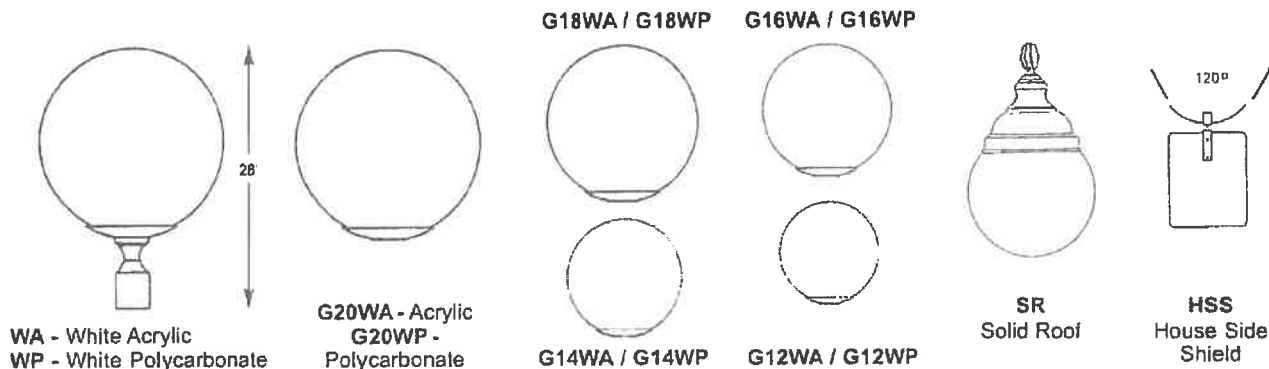
**G18 EPA = 0.98 (ft²)
WEIGHT = 3 LBS**

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

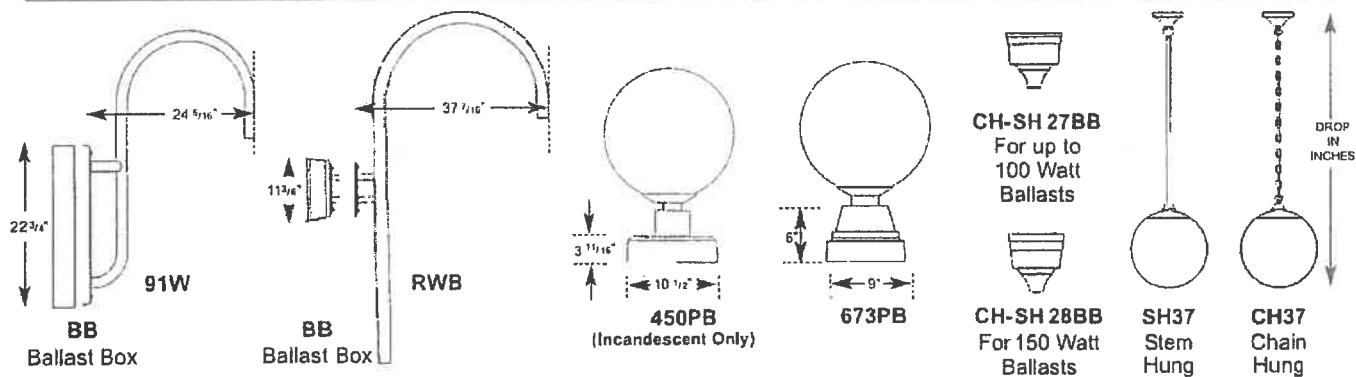
G12 TO G20 PF GLOBE SERIES

GLOBES / ARMS PM - WB

GLOBES / OPTIONAL TOPS / OPTICAL SYSTEMS

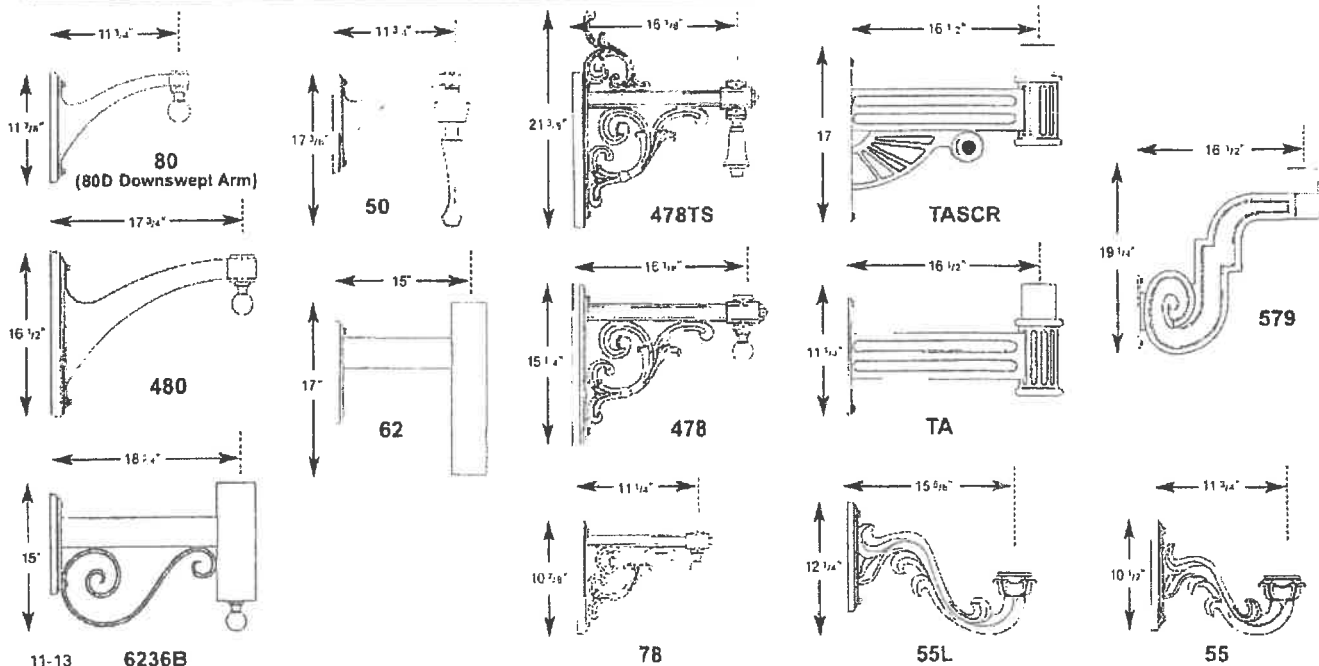


ARMS - POST MOUNT (PM) or WALL BRACKETS (WB) PIER BASES HANGING BRACKETS



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	WATTS / TYPE / VOLTS	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

GLOBES²

- G20WAPF⁵
- G20WPPF⁴
- G18WAPF⁵
- G18WPPF⁵
- G16WAPF⁶
- G16WPPF⁶
- G14WAPF⁷
- G14WPPF⁷
- G12WAPF⁸
- G12WPPF⁸

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
- TASCRIPT
- 91WPM

PIER BASE

- 450PB
- 673PB

WALL BRACKET ARMS

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

WALL BRACKET ARMS With BALLAST BOXES

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

HANGING BRACKETS

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

BALLASTS^{3, 10, 12}

- 35HPS¹
- 50HPS²
- 70HPS
- 100HPS
- 150HPS
- 200HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 200MHP
- 250MHP
- 26PLT
- 32PLT
- 42PLT
- INCAND

LAMPS^{4, 12}

- 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
- R¹³ Receptacle only for Rotolock Photo Cell
- R1¹³ Rotolock Photo Cell 120-277 Volt
- G¹⁵ 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, TASCRI)
- BF Ball Finial or Font (TA, TASCRI)
- SR¹ Solid Roof
- LAMPS Select from List

NOTES:

- ¹ 35HPS is 120 volt only.
- ² 50HPS available as 120 or 277 volt only. Others are special order.
- ³ Clear Polycarbonate and Acrylic globes are available. Specify CP or CA after globe.
- ⁴ 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.
- ⁵ 250 Watt Maximum
- ⁶ 100 Watt Maximum
- ⁷ 50 Watt Maximum
- ⁸ 175 Watt Maximum
- ⁹ 70 Watt Maximum
- ¹⁰ G16 and G18 globes only.

¹¹ 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.

¹² Metal halide systems are pulse start.

¹³ For 9 or 9T fitter only.



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

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.

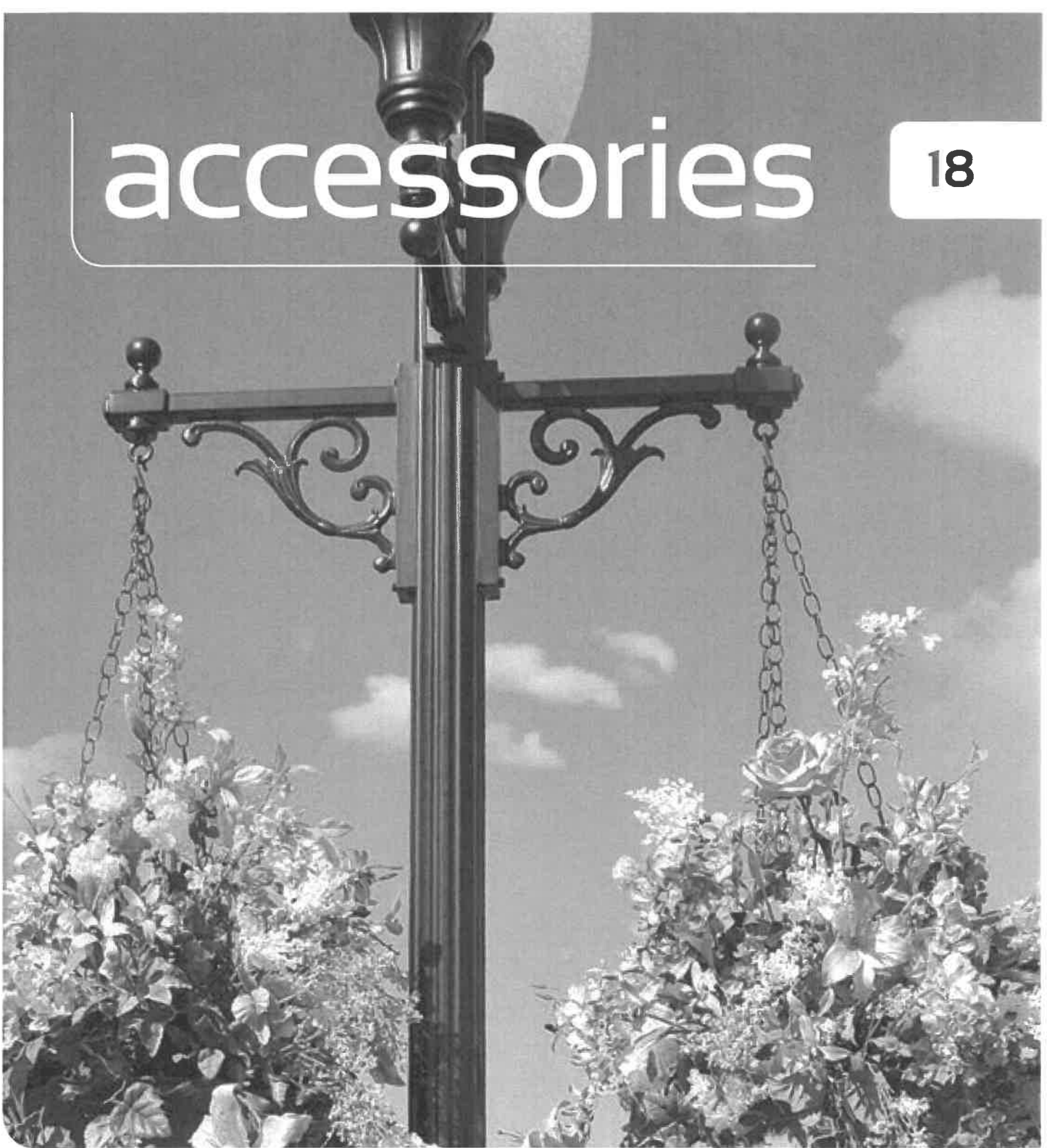
WARRANTY

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



accessories

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accessories



OPTIONS



MOUNTING



MEDALLIONS

Options and accessories are what add depth to any product line and the options Sternberg lighting has designed are no exception. In a world where products are applied on hundreds of projects per year solutions for each unique project are a must. Options can be aesthetic like medallions that show off a city logo or district, banner arms that hold fabric signs announcing events or seasonal sentiments. Options can also bring a higher level of utility to street and area lighting.

features

- 5 introduction
- 7 options
- 11 medallions
- 13 castings
- 15 irrigation
- 17 technology
- 19 orientation



options

Options are as numerous as the problems they solve. Sternberg Lighting has had extensive involvement in projects for decades and problem solving is part of our DNA. The extensive list of options is impressive in the industry. Below is a partial list of options available from Sternberg lighting. If you don't see the right one for you, give us a call. We will do our best to find a solution that fits your need and your budget.

GFI IUC	15 amp duplex GFCI receptacles with a standard in-use cover
GFI LPIUC	15 amp duplex GFCI receptacles with a low-profile in-use cover
GFI IB	15 amp duplex GFCI receptacle installed in pole base, includes mouse hole on door for wire access
GFB	Remote ground fault breaker installed in pole base (for use with NON-GFCI receptacles)
FH	Cast aluminum flag holder mount, for use with 1" diameter flag pole
SBA	Single banner arm, "PM" post mount style
DBA	Double banner arms, "PM" post mount style
SBAR	Single Banner and Ring, for triangle banners, "PM" post mount style
HSBA / BSBA	Single banner arm, HUB mount style mount. For "break-away" change number to read BSBA.
HDBA / BDBA	Double banner arms, HUB mount style mount. For "break-away" change number to read BDBA.
C4SBA/5SBA	Single banner arm, clamp-style mount, for 4" or 5" diameter poles
C4DBA/5DBA	Double banner arms at 180°, clamp-style mount, for 4" or 5" diameter poles
DHPA	Double hooked planter arm
DSPA	Double stepped planter arm
PA478	Cast aluminum decorative planter arm
SA78	Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others
SABA	Banner style sign arm, with 24" long channel for blade sign by others
SH	Female threaded speaker hub, advise thread size
SB	Sign bracket, vertically mounted on pole shaft
WHK	Steel wreath hook

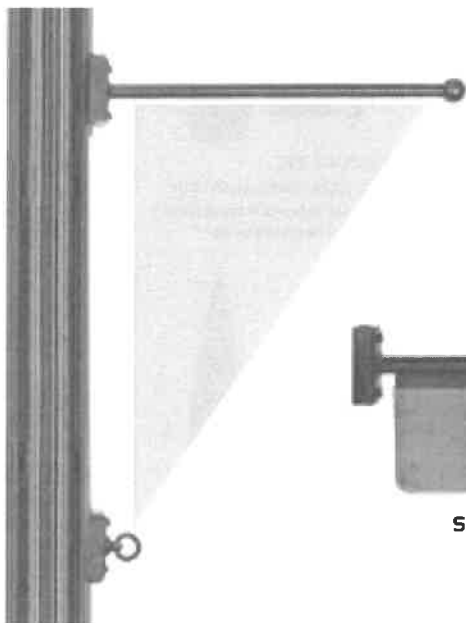


DHPA
Double hooked
planter arm

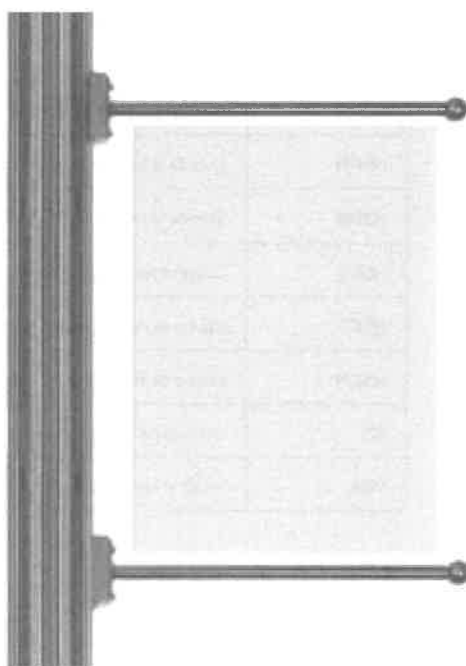
SBA
Single banner
arm, "PM" post
mount style



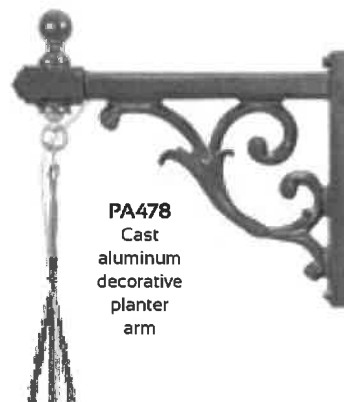
SBAR
Single banner
arm and ring,
for triangle
banners, "PM"
post mount
style



DBA
Double
banner
arms,
"PM" post
mount
style



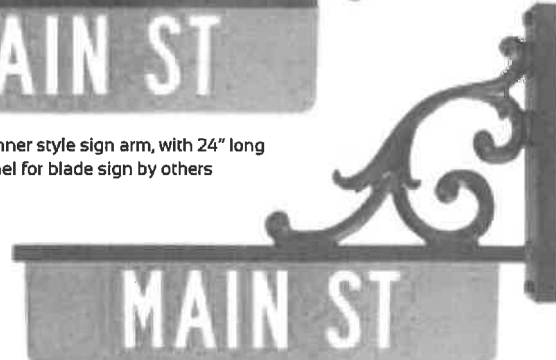
DSPA - Double stepped planter arm



PA478
Cast
aluminum
decorative
planter
arm



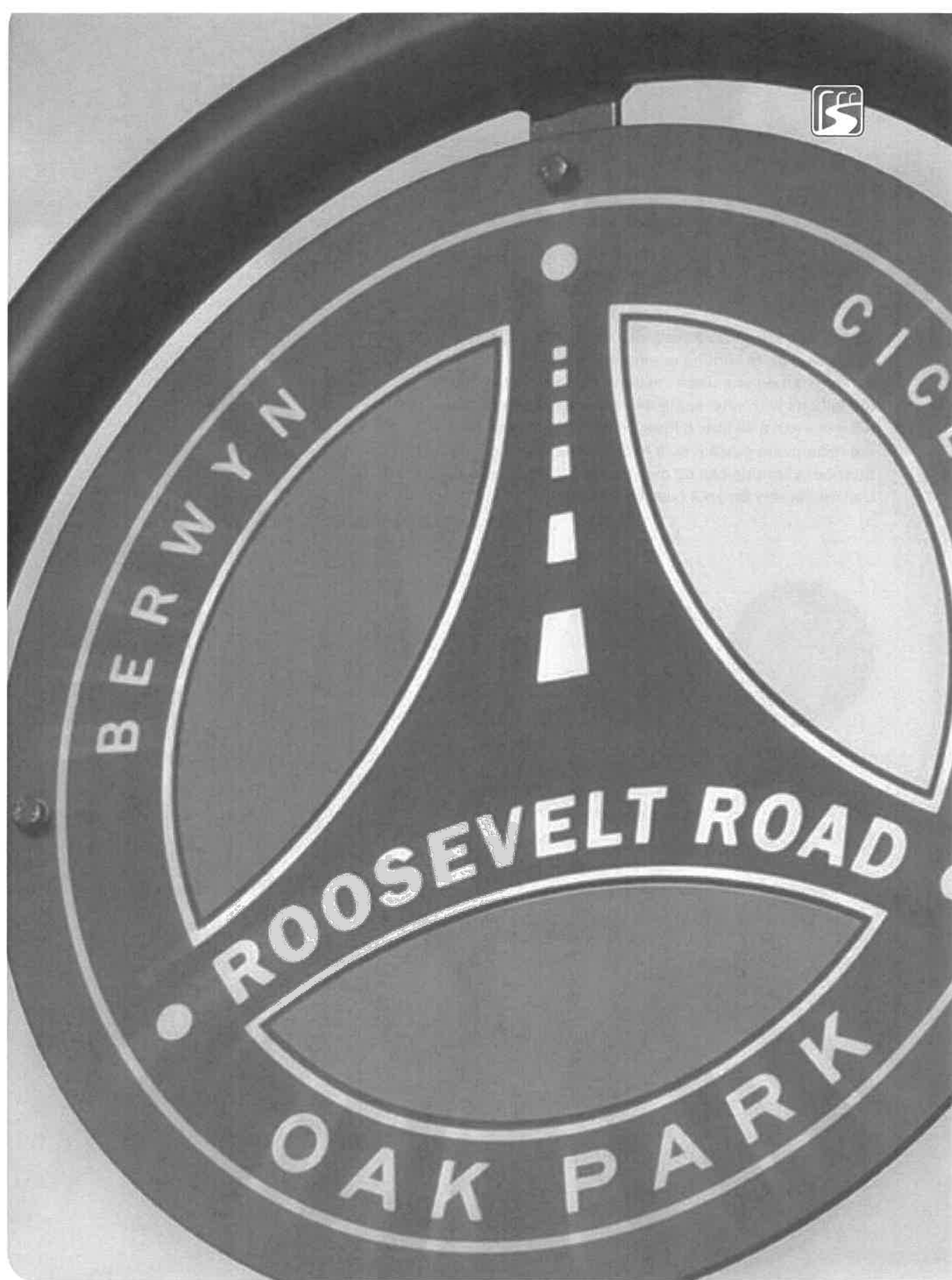
SABA - Banner style sign arm, with 24" long
channel for blade sign by others



SA78 - Small cast aluminum decorative sign arm, with
24" long channel for blade sign by others

SB
Sign
bracket,
vertically
mounted
on pole
shaft







castings

Custom castings are one way to dress up a pole so that it looks like product designed specifically for one customer. Hand-hole covers presenting a city logo or name are very popular. Campus environments can be dressed up by a simple team name or school logo. Because Sternberg poles are heavy cast aluminum we have the ability to personalize poles for a fraction of the cost of a custom pole design. We can translate almost any logo to flat or curved surfaces and even use multiple colors to enhance the design and give the perfect graphic effect.



Custom Castings

Special logos and designs can be cast into the access door of our pole bases. The village of Deerfield, IL has their deer logo cast on a new 6100 base with a square pole.



Shown left:

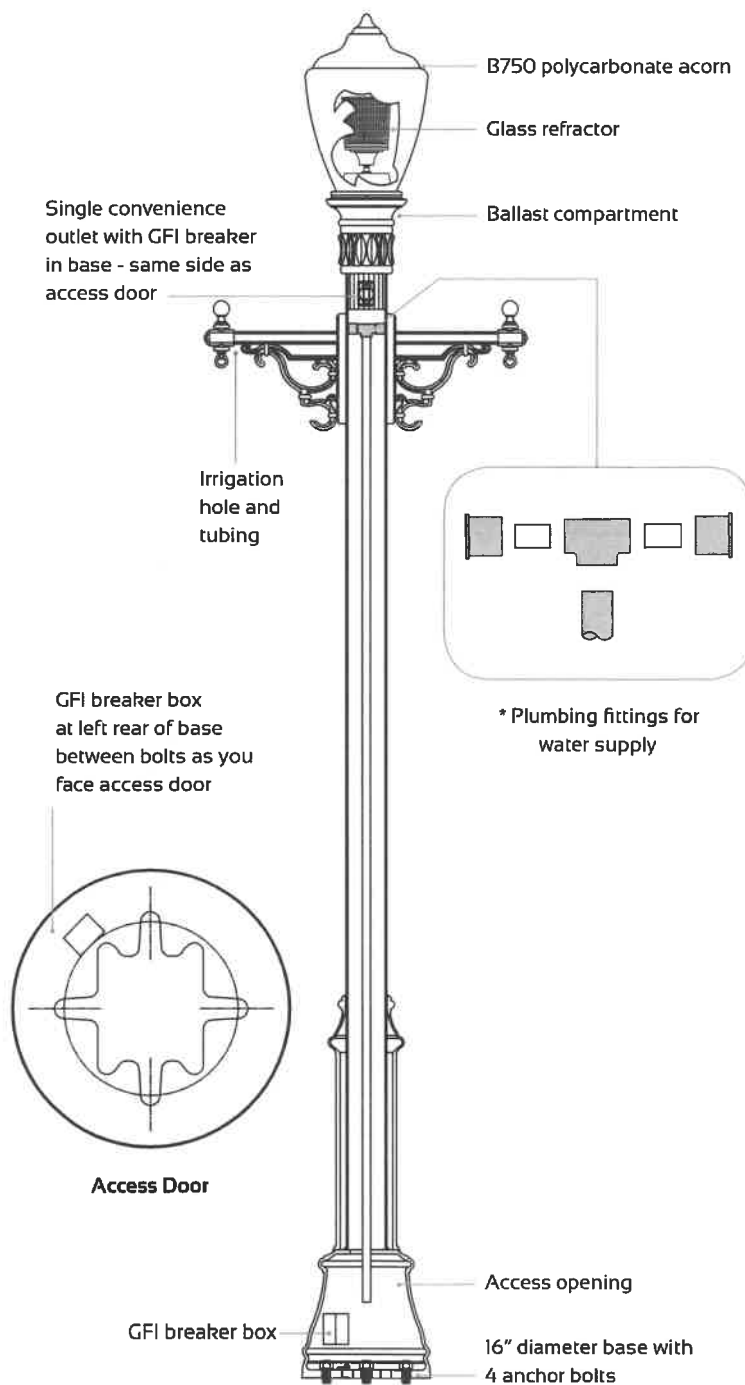
Special logos and designs can be cast into the access door of our pole bases. At SilverLeaf Resorts throughout the country, this design was used on the base of our 4200 Augusta poles.



irrigation

This exclusive self-watering system was developed by Sternberg for the City of Winter Park, FL. The pole and custom twin planter arms are equipped with a unique drip irrigation system which allows water, by way of irrigation tubing, to maintain flowers or plants naturally. With this low maintenance feature, it is no longer necessary for the city's watering trucks to water flower baskets.

* Water hook-ups to be made by qualified professional plumber





technology

Technology is the answer when the question starts with "How do I". Sternberg Lighting knows how to take the value of technology and bundle it with lighting to make something truly functional and beautiful. Using the latest in wireless communications and leading edge designs from our tech partners Sternberg offers many practical and affordable solutions.

Electronic Banner

Electronic banners are used as advertising space creating revenue streams for Municipalities and/or University campuses. They also can be used for wayfinding, video display, seasonal messaging and Amber alerts. Content management can be serviced "in house" or can be contracted out along with graphics design.



Speakers

External speakers are water and weather proof. They can be mounted to the sides of poles for entertainment and public address functionality. Speakers are hard wired to an audio source and can play music, announcements or even commentary during parades or public events.



Camera

Pole mounted cameras can provide a myriad of functions from simple area monitoring to night vision, infrared, facial recognition, live streaming video or event monitoring.



Sensors

A variety of atmospheric sensing devices can be mounted in pole structures allowing for very specific tasks. Everything from water level to air quality and beyond is possible with today's technology. Light poles are not just for lighting anymore. They can be used to monitor the environment and report back on issues detected so that city and campus managers can plan for and take action quickly.



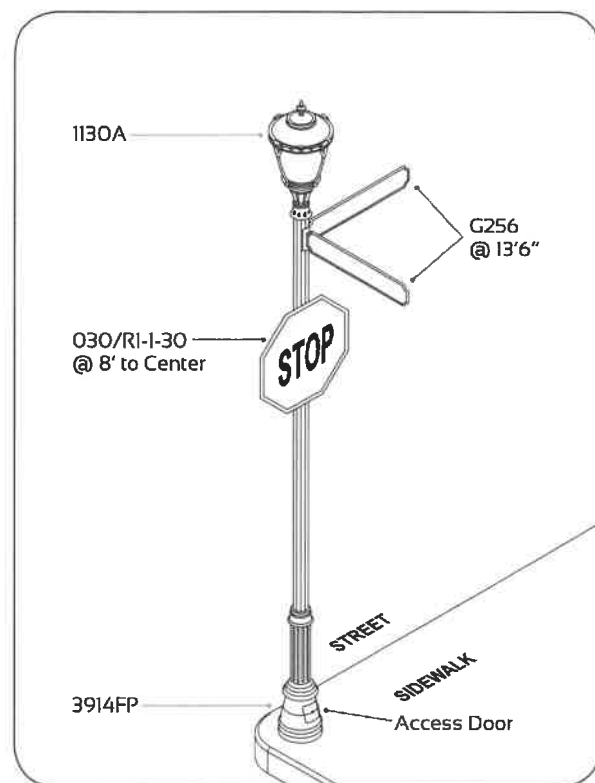
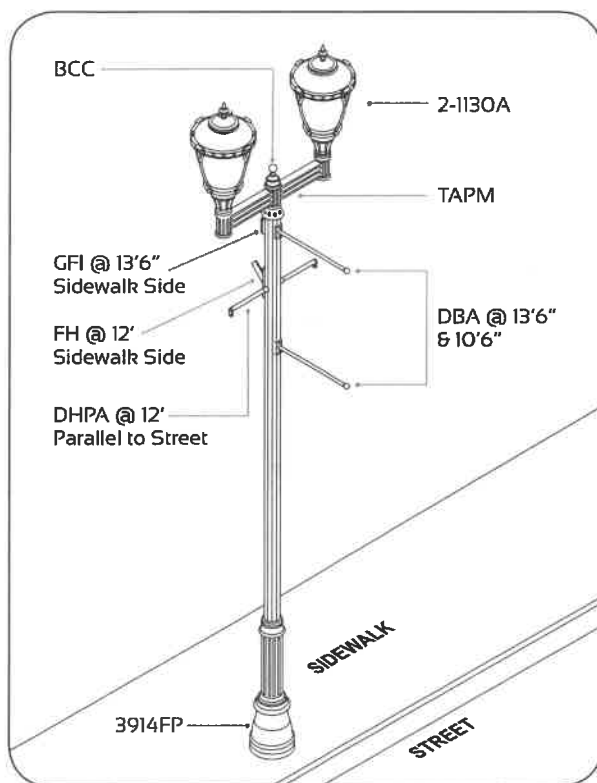
WiFi

The internet is the vehicle by which all of our minds travel today. The same is true of the data we need in order to be aware of our environment. WiFi is the way we will tap into the internet and the information highway. Public WiFi can be built into light pole structures giving access to residents and visitors.

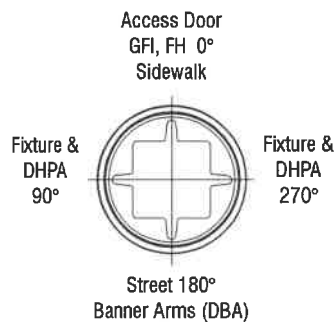


orientation

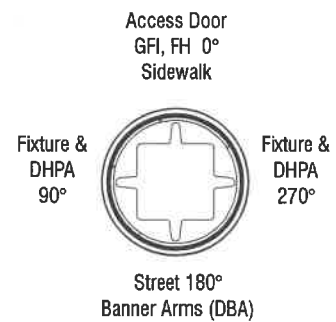
Mounting options to pole and luminaire assemblies are as important as the options selected. The proper fit and location determines how long and how well each option will function. Sternberg Lighting will make selecting and orienting your options as easy as possible, providing drawings and advice along the way so that you can have confidence in your choices and that the product will function as intended.



PART #	HGT.	ORIENT.
GFI	13'6"	0°
FH	12'	0°
DHPA	12'	90°
DHPA	12'	270°
DBA	13'6"	180°
DBA	10'6"	180°

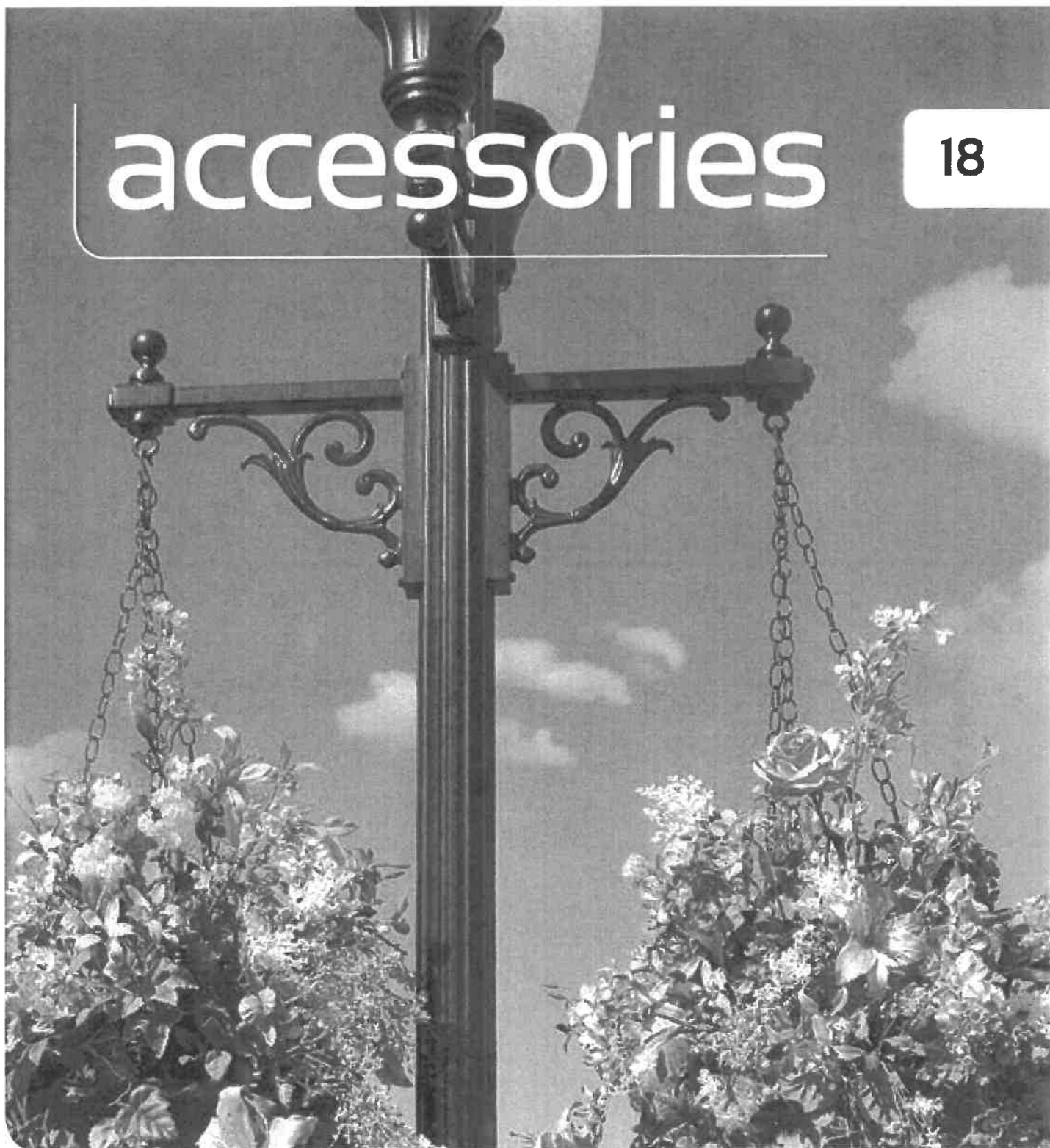


PART #	HGT.	ORIENT.
G256	13'6"	0°
G256	13'6"	90°
030	8'	0°



accessories

18



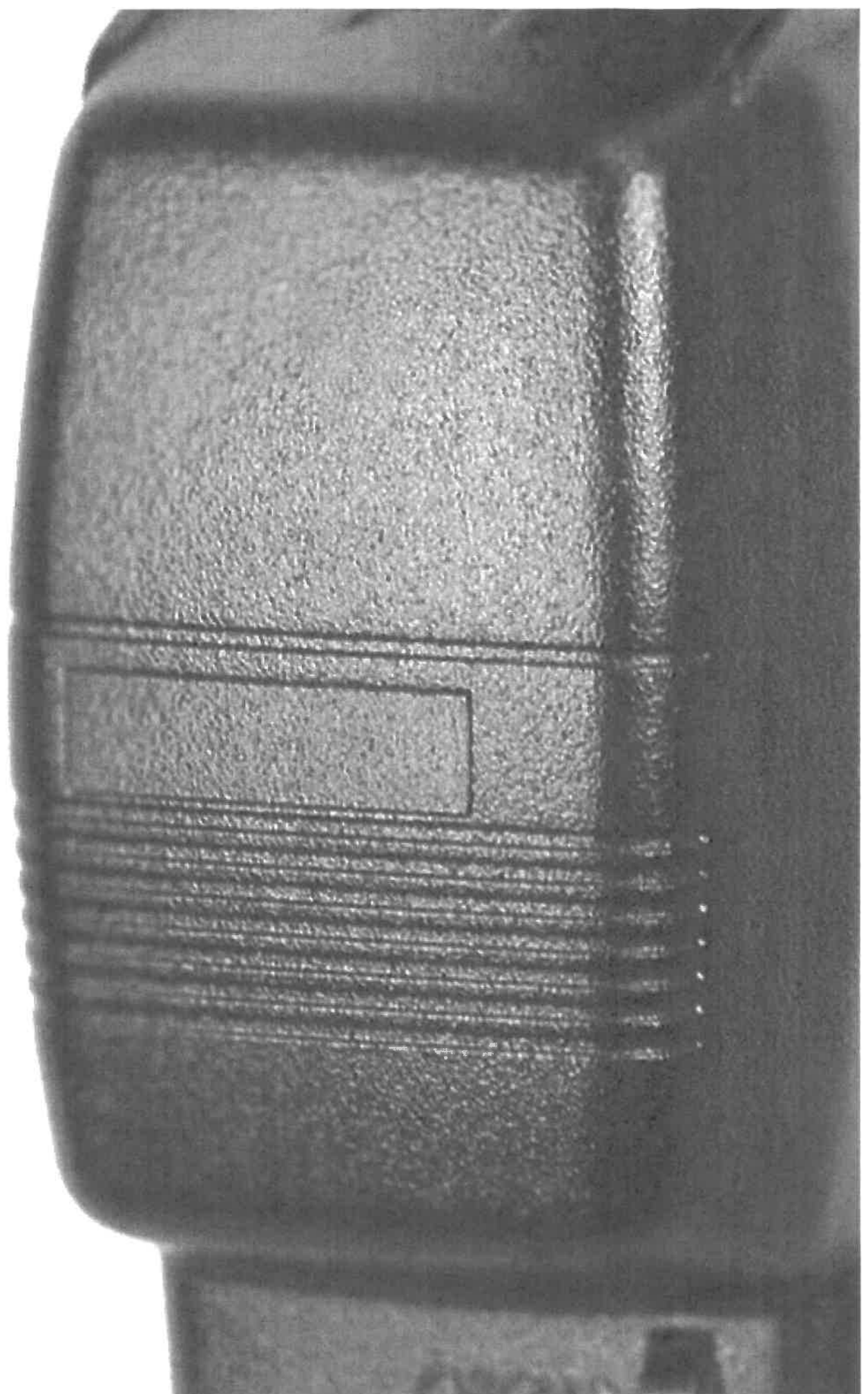
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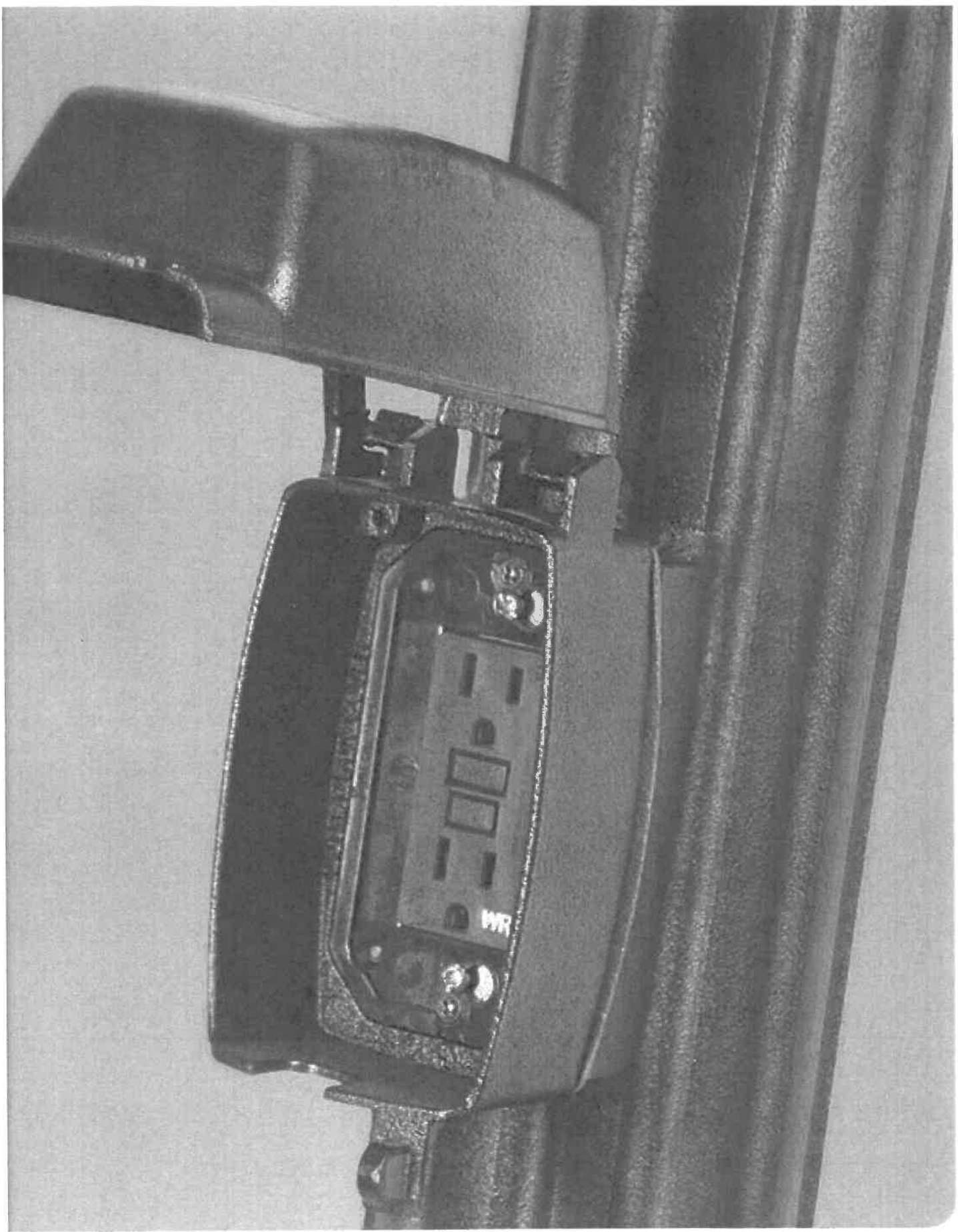






SternbergLighting

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accessories



OPTIONS



MOUNTING



MEDALLIONS

Options and accessories are what add depth to any product line and the options Sternberg lighting has designed are no exception. In a world where products are applied on hundreds of projects per year solutions for each unique project are a must. Options can be aesthetic like medallions that show off a city logo or district, banner arms that hold fabric signs announcing events or seasonal sentiments. Options can also bring a higher level of utility to street and area lighting.

features

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options

Options are as numerous as the problems they solve. Sternberg Lighting has had extensive involvement in projects for decades and problem solving is part of our DNA. The extensive list of options is impressive in the industry. Below is a partial list of options available from Sternberg lighting. If you don't see the right one for you, give us a call. We will do our best to find a solution that fits your need and your budget.

GFI IUC	15 amp duplex GFCI receptacles with a standard in-use cover
GFI LPIUC	15 amp duplex GFCI receptacles with a low-profile in-use cover
GFI IB	15 amp duplex GFCI receptacle installed in pole base, includes mouse hole on door for wire access
GFB	Remote ground fault breaker installed in pole base (for use with NON-GFCI receptacles)
FH	Cast aluminum flag holder mount, for use with 1" diameter flag pole
SBA	Single banner arm, "PM" post mount style
DBA	Double banner arms, "PM" post mount style
SBAR	Single Banner and Ring, for triangle banners, "PM" post mount style
HSBA / BSBA	Single banner arm, HUB mount style mount. For "break-away" change number to read BSBA.
HDBA / BDBA	Double banner arms, HUB mount style mount. For "break-away" change number to read BDBA.
C4SBA/5SBA	Single banner arm, clamp-style mount, for 4" or 5" diameter poles
C4DBA/5DBA	Double banner arms at 180°, clamp-style mount, for 4" or 5" diameter poles
DHPA	Double hooked planter arm
DSPA	Double stepped planter arm
PA478	Cast aluminum decorative planter arm
SA78	Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others
SABA	Banner style sign arm, with 24" long channel for blade sign by others
SH	Female threaded speaker hub, advise thread size
SB	Sign bracket, vertically mounted on pole shaft
WHK	Steel wreath hook

options

Options allow personalization of products and bring higher functionality by offering solutions to project challenges. Each project has its own flavor and set of needs. Sternberg pole mounted product options give the designer ways to deploy hardware solutions that are at the same time functional and problem solving as well as harmonious in that they will fit seamlessly to pole selections. In short product solutions that don't look like someone was trying to solve a problem. There are many options available as standard products and others that can be modified to make Sternberg products even more versatile. If you don't see the solution you need consult our factory for a custom approach to your project.



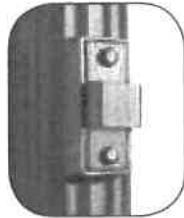
GFI IB
15 amp duplex GFCI receptacle installed in pole base, includes mouse hole on door for wire access



GFB
Remote ground fault breaker installed in pole base (for use with NON-GFCI receptacles)



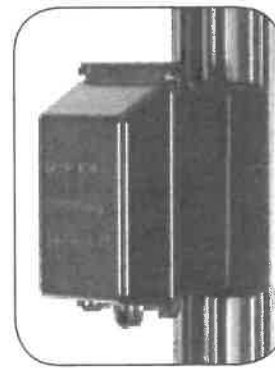
SH
Female threaded speaker hub, advise thread size



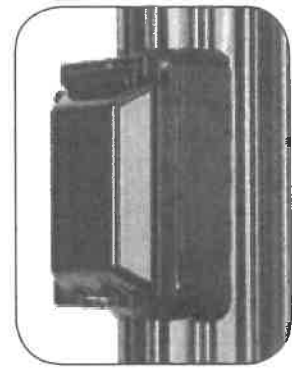
WHK
Steel wreath hook



FH
Cast aluminum flag holder mount, for use with 1" diameter flag pole



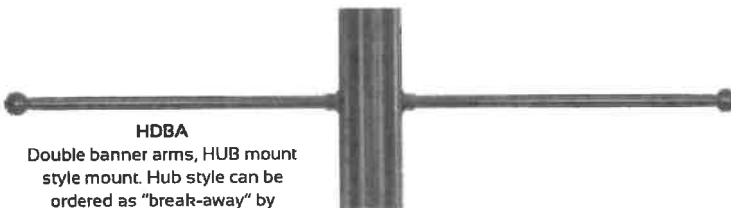
GFI IUC
15 Amp duplex GFCI receptacles with a standard in-use cover



GFI LPIUC
15 Amp duplex GFCI receptacles with a low-profile in-use cover



HSBA
Single banner arm, HUB mount style. Hub style can be ordered as "break-away" by changing number to read BSBA.



HDBA
Double banner arms, HUB mount style. Hub style can be ordered as "break-away" by changing number to read "BDBA."



C4DBA/C5DBA - Double banner arm at 180, clamp-style mount, for 4" or 5" diameter poles

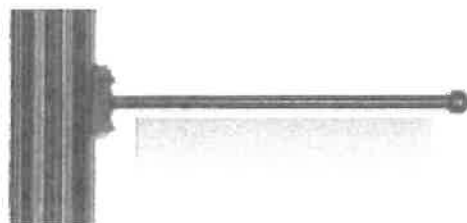


C4SBA/C5SBA
Single banner arm, clamp-style mount, for 4" or 5" diameter poles

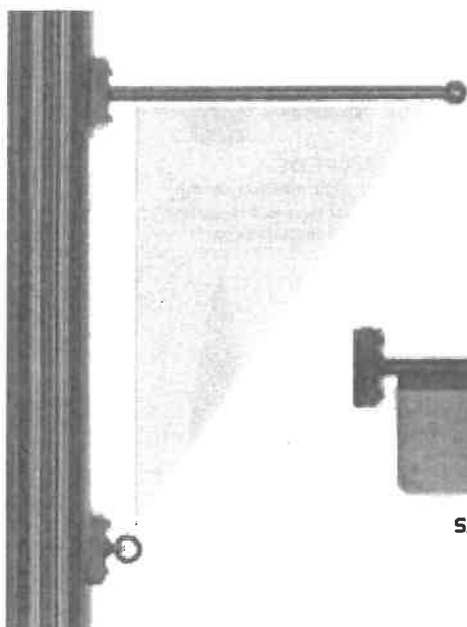


DHPA
Double hooked
planter arm

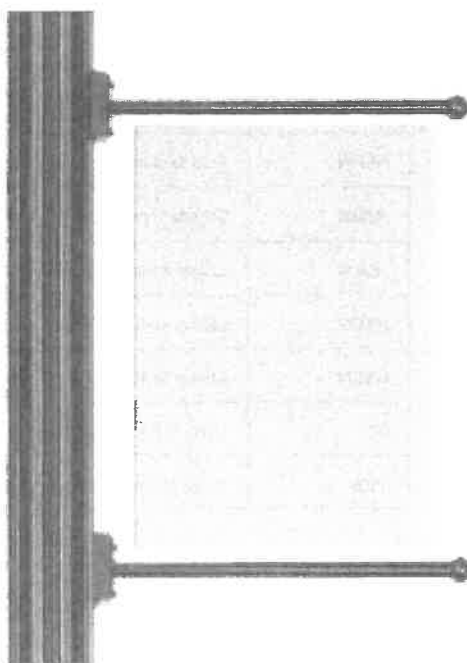
SBA
Single banner
arm, "PM"
post mount
style



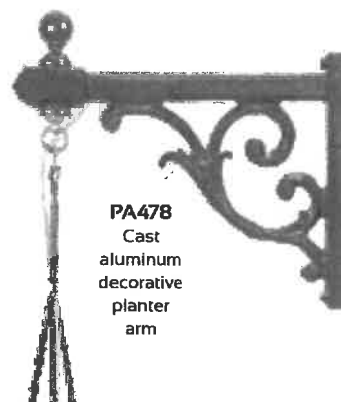
SBAR
Single banner
arm and ring,
for triangle
banners, "PM"
post mount
style



DBA
Double
banner
arms,
"PM" post
mount
style



DSPA - Double stepped planter arm



PA478
Cast
aluminum
decorative
planter
arm



SABA - Banner style sign arm, with 24" long
channel for blade sign by others



SA78 - Small cast aluminum decorative sign arm, with
24" long channel for blade sign by others

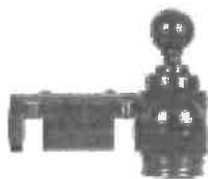
SB
Sign
bracket,
vertically
mounted
on pole
shaft



hangstraights

HORIZONTAL ARM MOUNT

To slip fit 2-3/8 on horizontal tenon.



HSCB
Hangstraight, clamp style, BALL finial



HSHB
Hangstraight, horizontal, BALL finial



HSCB-R-PE-DC
Hangstraight, clamp style with BALL finial, twist-lock receptacle, photocell in decorative cap.



HSHB-R-PE-DC
Hangstraight, horizontal with BALL finial, twist-lock receptacle, photocell in decorative cap.



HSCS
Hangstraight, clamp style, SPIKE Finial



HSHS
Hangstraight, horizontal, SPIKE Finial



HSCS-R-PE-DC
Hangstraight, clamp style with SPIKE finial, twist-lock receptacle, photocell in decorative cap.



HSHS-R-PE-DC
Hangstraight, horizontal with SPIKE finial, twist-lock receptacle, photocell in decorative cap.



HSCN
Hangstraight, clamp style, NO Finial



HSHN
Hangstraight, horizontal, NO Finial

VERTICAL ARM MOUNT

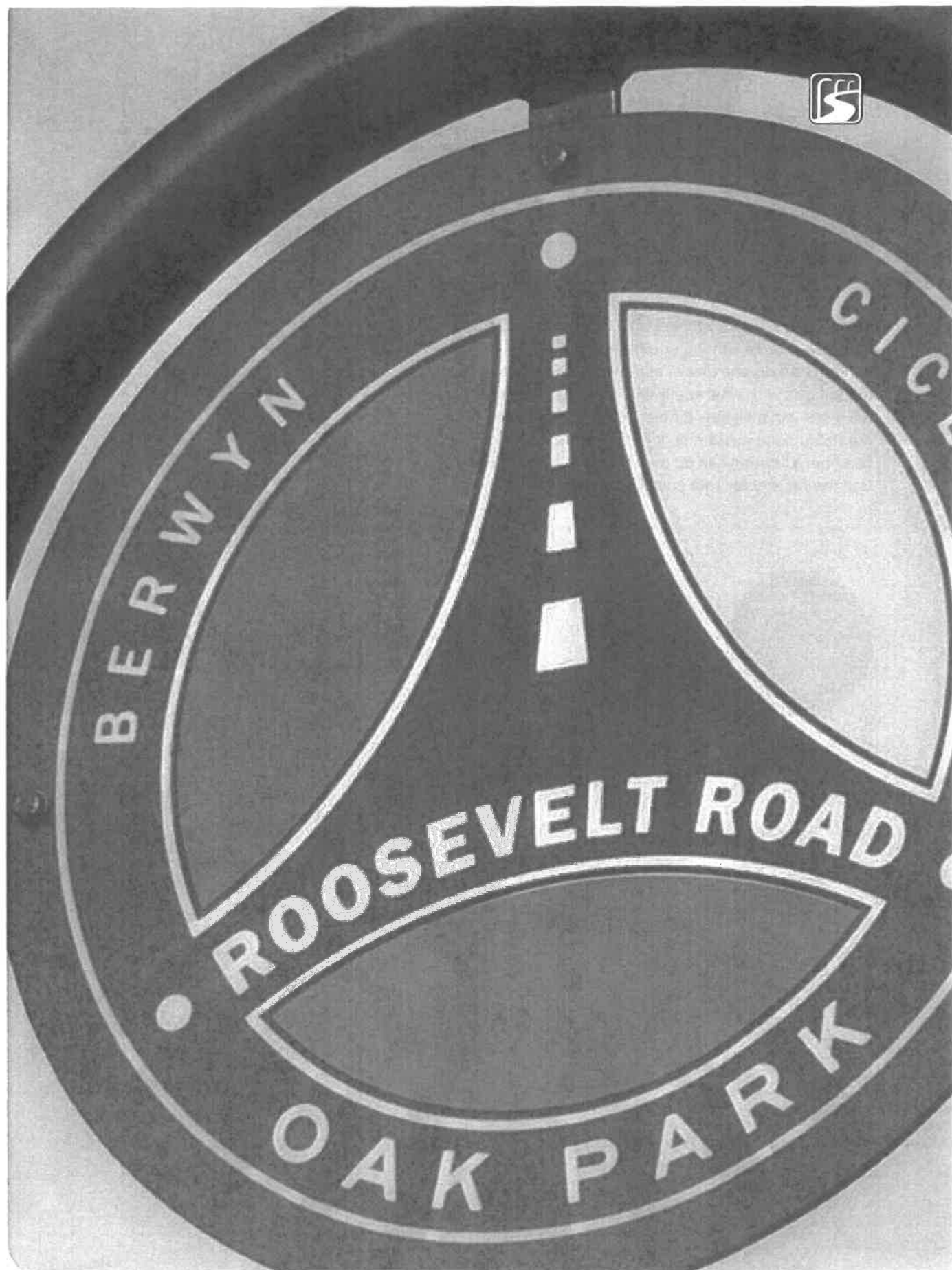


EZ
"EZ Hang" vertical hang straight.



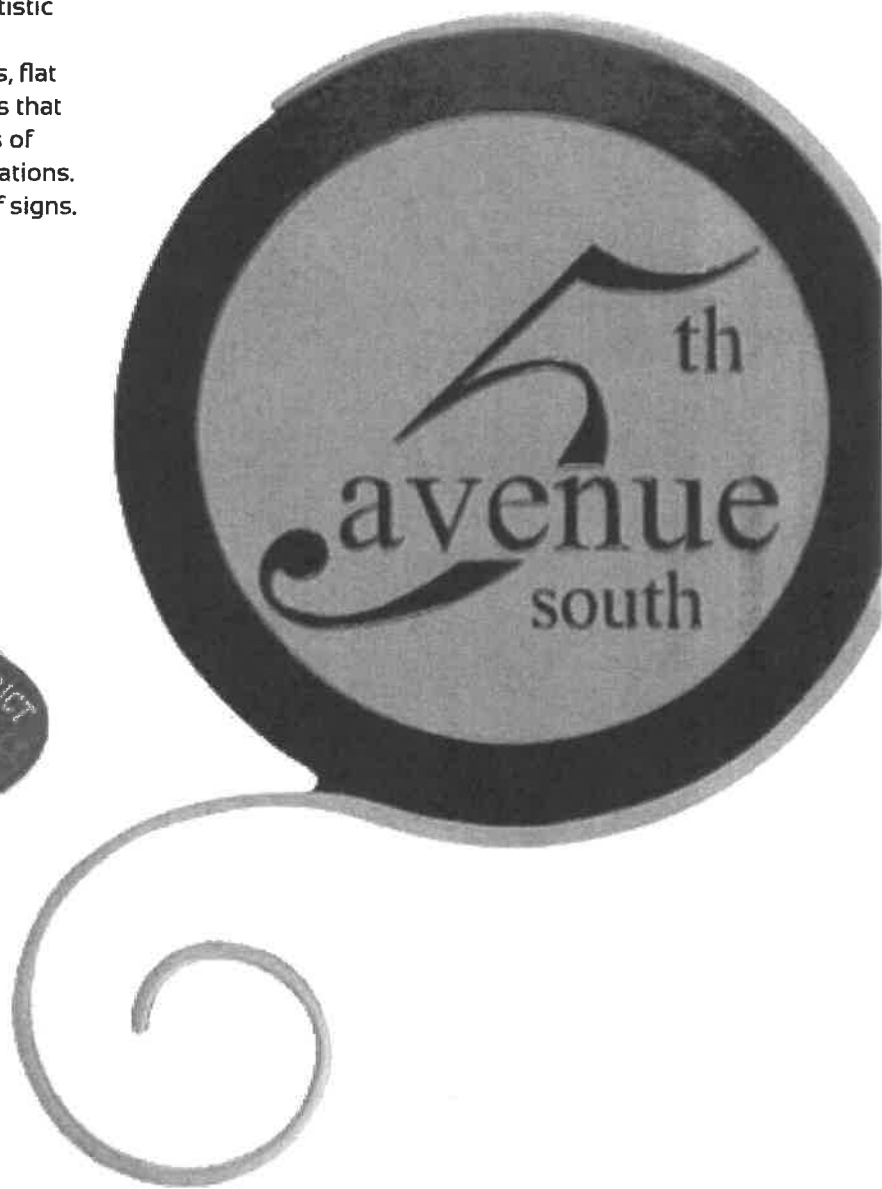
HSV
Standard vertical hang straight.

HSHS	Standard horizontal hangstraight, spike finial
HSHN	Standard horizontal hangstraight, no finial
HSHB	Standard horizontal hangstraight, ball finial
HSCB	Clamp style horizontal hangstraight, ball finial
HSCS	Clamp style horizontal hangstraight, spike finial
HSCN	Clamp style horizontal hangstraight, no finial
EZ	Vertical hangstraight, large, "EZ" mount
VHS	Vertical hangstraight, standard



medallions

Medallions are a way for any project to add an artistic dimension to its lighting equipment. Sternberg lighting can do one piece cast and painted pieces, flat medallions with vinyl applied or water jet cut-outs that tell a story in a slightly different way. These types of medallions are custom built to customer specifications. Sternberg lighting can do many different kinds of signs. Call the factory for your custom solution.



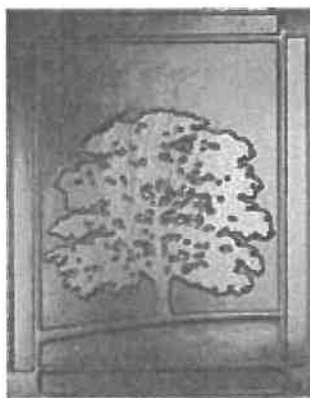


castings

Custom castings are one way to dress up a pole so that it looks like product designed specifically for one customer. Hand-hole covers presenting a city logo or name are very popular. Campus environments can be dressed up by a simple team name or school logo. Because Sternberg poles are heavy cast aluminum we have the ability to personalize poles for a fraction of the cost of a custom pole design. We can translate almost any logo to flat or curved surfaces and even use multiple colors to enhance the design and give the perfect graphic effect.

Custom Castings

Special logos and designs can be cast into the access door of our pole bases. The village of Deerfield, IL has their deer logo cast on a new 6100 base with a square pole.



Shown left:

Special logos and designs can be cast into the access door of our pole bases. At SilverLeaf Resorts throughout the country, this design was used on the base of our 4200 Augusta poles.

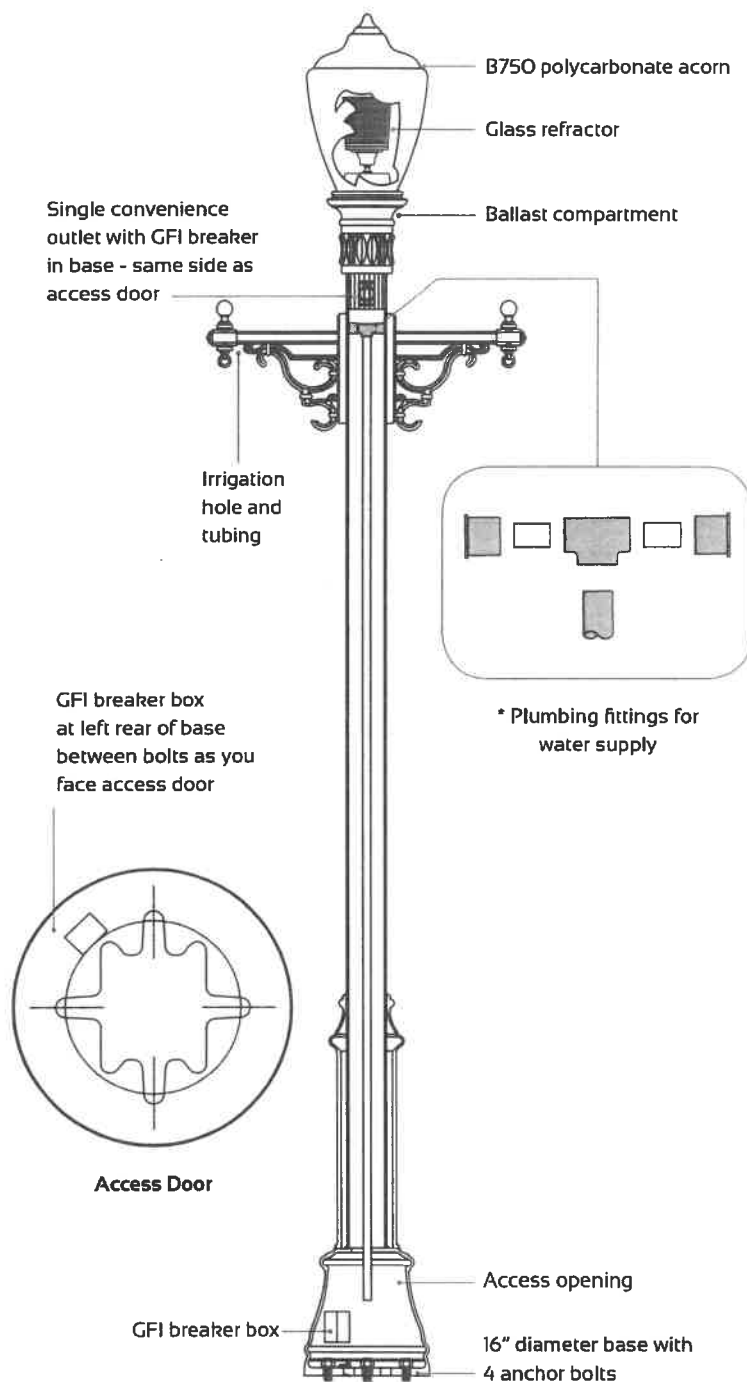
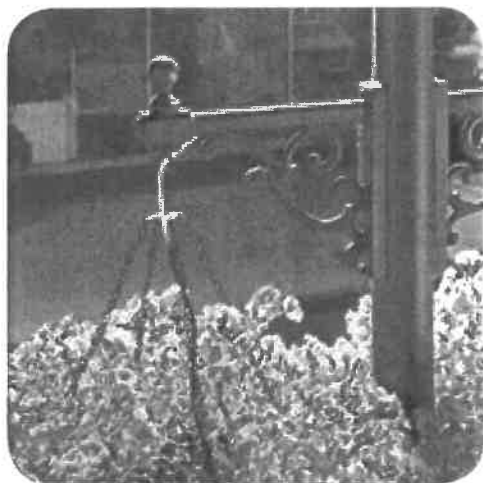




irrigation

This exclusive self-watering system was developed by Sternberg for the City of Winter Park, FL. The pole and custom twin planter arms are equipped with a unique drip irrigation system which allows water, by way of irrigation tubing, to maintain flowers or plants naturally. With this low maintenance feature, it is no longer necessary for the city's watering trucks to water flower baskets.

* Water hook-ups to be made by qualified professional plumber

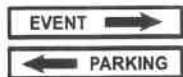


Wireless Dual Band Mesh Transceiver

App Based Wireless Control

RGBA Notification (Indicator Light)

* Digital Street Sign



* Controlled Receptacle

* Facade Lighting (Color Changing)

* Environmental Sensors (CBRNE & Seismic)

* Water Detection

* Optional Features



"Smart Grid" Street Light

- Photocell control
- 0-100% dimming
- On-demand light levels

Concealed Placement Speaker (CPS)™

- Music
- Announcements
- Alerts

- * Image Sensor
- Proximity sensors
- Pedestrian counter
- Homeland security

* Digital Signage

- Way finding
- Traffic direction
- Alert notification
- Civic information
- Revenue generation (via advertising)

- * Push to talk system
- "Push Blue" emergency call station

Solana



Available in a variety of styles & light output



technology

Technology is the answer when the question starts with "How do I". Sternberg Lighting knows how to take the value of technology and bundle it with lighting to make something truly functional and beautiful. Using the latest in wireless communications and leading edge designs from our tech partners Sternberg offers many practical and affordable solutions.

Electronic Banner

Electronic banners are used as advertising space creating revenue streams for Municipalities and/or University campuses. They also can be used for wayfinding, video display, seasonal messaging and Amber alerts. Content management can be serviced "in house" or can be contracted out along with graphics design.



Speakers

External speakers are water and weather proof. They can be mounted to the sides of poles for entertainment and public address functionality. Speakers are hard wired to an audio source and can play music, announcements or even commentary during parades or public events.



Camera

Pole mounted cameras can provide a myriad of functions from simple area monitoring to night vision, infrared, facial recognition, live streaming video or event monitoring.



Sensors

A variety of atmospheric sensing devices can be mounted in pole structures allowing for very specific tasks. Everything from water level to air quality and beyond is possible with today's technology. Light poles are not just for lighting anymore. They can be used to monitor the environment and report back on issues detected so that city and campus managers can plan for and take action quickly.



WiFi

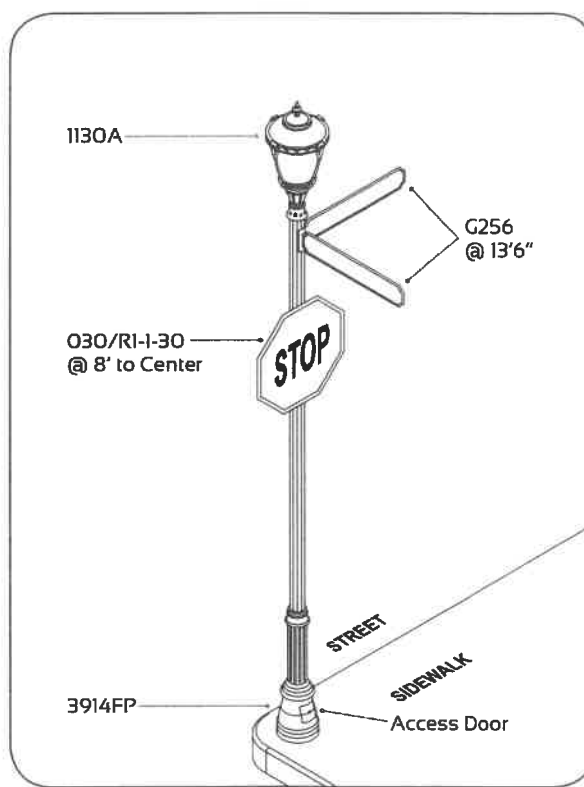
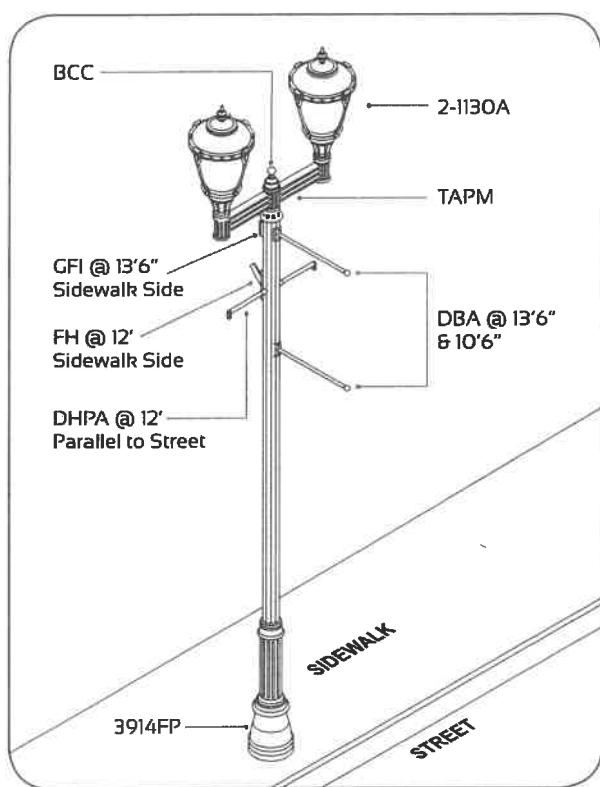
The internet is the vehicle by which all of our minds travel today. The same is true of the data we need in order to be aware of our environment. WiFi is the way we will tap into the internet and the information highway. Public WiFi can be built into light pole structures giving access to residents and visitors.



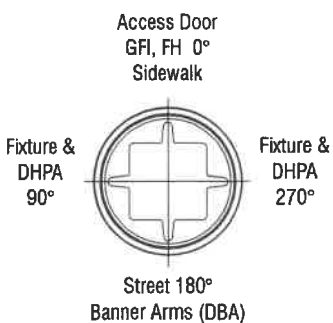


orientation

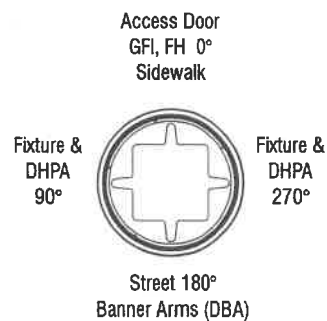
Mounting options to pole and luminaire assemblies are as important as the options selected. The proper fit and location determines how long and how well each option will function. Sternberg Lighting will make selecting and orienting your options as easy as possible, providing drawings and advice along the way so that you can have confidence in your choices and that the product will function as intended.



PART #	HGT.	ORIENT.
GFI	13'6"	0°
FH	12'	0°
DHPA	12'	90°
DHPA	12'	270°
DBA	13'6"	180°
DBA	10'6"	180°



PART #	HGT.	ORIENT.
G256	13'6"	0°
G256	13'6"	90°
O30	8'	0°





Since 1923, Sternberg lighting has maintained its position as a leader in the street lighting industry by utilizing the latest technological advancements.

Today, our energy efficient LED street lighting luminaires have set a new standard for municipalities, universities, utilities and commercial entities seeking energy cost savings.

Sternberg Lighting is:

- ✓ *Employee Owned!*
- ✓ *Made in The USA!*

Sternberg Lighting is a US manufacturer located in Roselle, IL and is employee owned.



See our complete catalog on-line at:
www.sternberglighting.com



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

555 Lawrence Ave., Roselle IL 60172

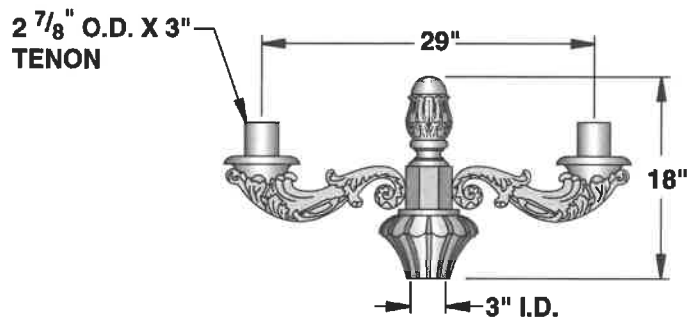
800-621-3376 | info@sternberglighting.com | www.sternberglighting.com



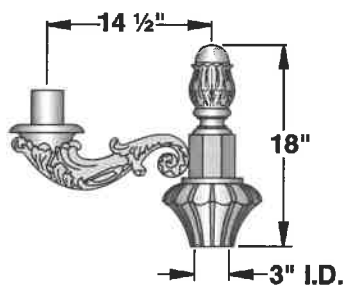
ILLUMINATING
ENGINEERING SOCIETY
Sustaining Member

DURABLE CORROSION RESISTANT, CAST ALUMINUM CONSTRUCTION.

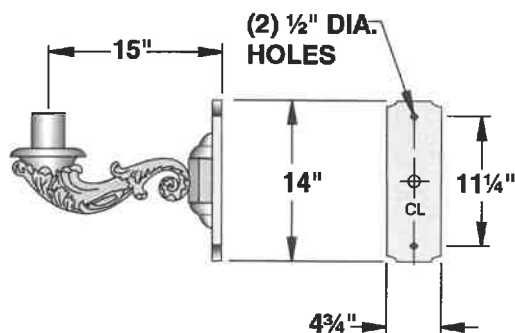
SCALE: 3/4"=1'-0"



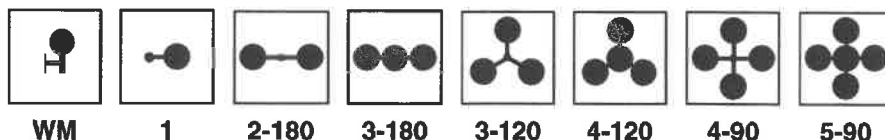
XAB-2-180



XAB-1



XAB-WM



WM

1

2-180

3-180

3-120

4-120

4-90

5-90