

# COLONIAL BOLLARD SERIES

## SPECIFICATIONS

### BOLLARD

Heavy cast corrosion resistant low copper aluminum (A356 alloy, <0.2% copper) traditionally styled housing and top. Minimum wall thickness is .188". Top hinges for easy access. Silicone gasket between housing and hood. All hardware is stainless steel.

### LENS

Clear 3/16" thick tempered flat glass lens. Lens is gasketed around the perimeter and retained by stainless steel clips.

### REFLECTOR MODULE

One piece specular Alzak® optical reflector segments rigidly mounts to an aluminum frame and attached to the housing. Reflector module is field rotatable in 90° increments. Sockets are porcelain 4KV pulse rated, (E26) medium base. Reflector modules are factory prewired with quick-disconnect plug.

### ELECTRICAL MODULE

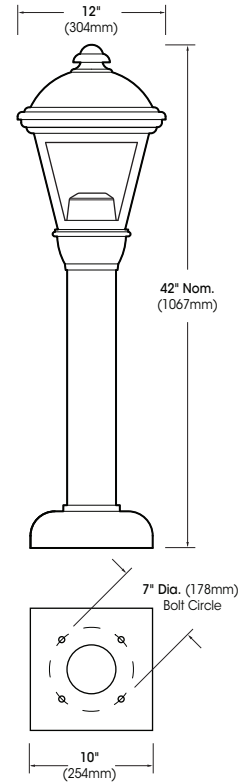
All electrical components are UL and cUL recognized are mounted on a single plate and factory prewired with quick-disconnect plugs. Standard electronic MH ballasts have power factor of >.95 (35/39W - 70W) -20°F starting, 120-277V and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor (35/39W - 70W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (35/39W - 70W), -40°F starting.

### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

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

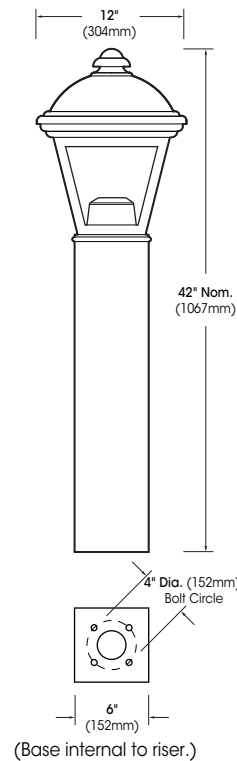
FIXTURE TYPE: \_\_\_\_\_



**COLB1**



PATENT PENDING



**COLB2**



PATENT PENDING

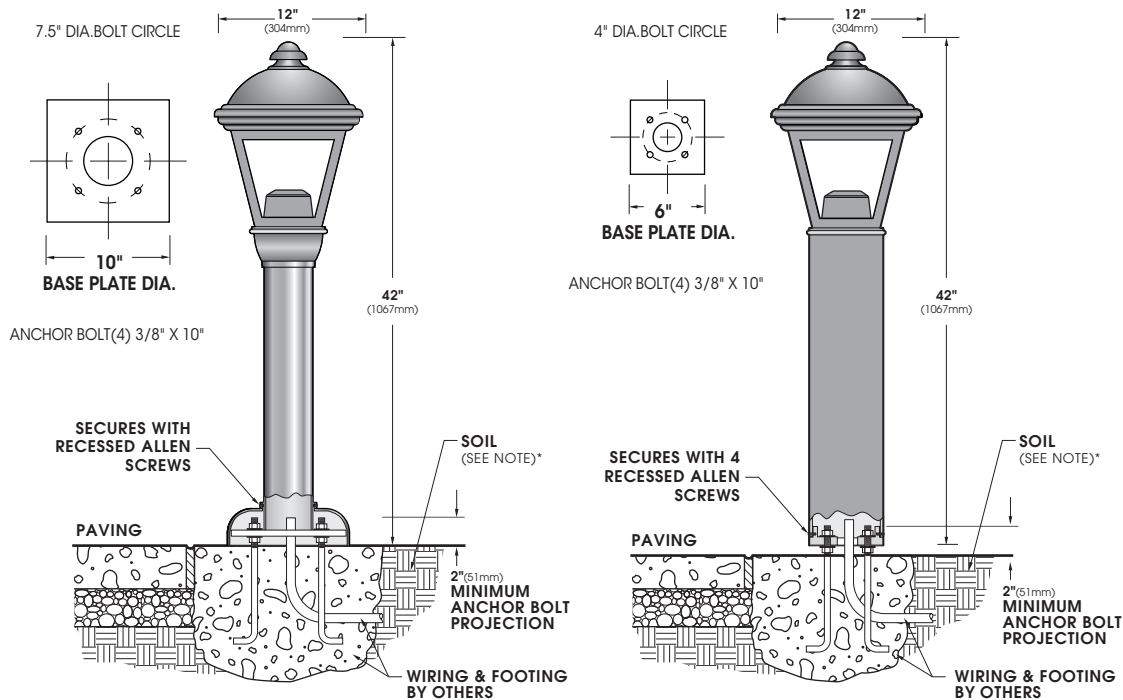


2014020

# COLONIAL BOLLARD SERIES

## S P E C I F I C A T I O N S

### INSTALLATION



\*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.

Spec/Order Example: COLB1/HR-ASY/70PSMH120/RAL7004-T/SF

### OPTICS



## S P E C / O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# WATTS	TYPE	VOLTAGE	FINISH	OPTIONS
<b>LUMINAIRE</b>	<b>OPTICS</b>	<b>LAMP/BALLAST MODE</b>		<b>FINISH</b>	<b>OPTIONS</b>	
<p><input type="checkbox"/> <b>COLB1</b> (ROUND RISER)</p> <p><input type="checkbox"/> <b>COLB2</b> (SQUARE RISER)</p>	<p><input type="checkbox"/> TYPE ASYMMETRIC <b>HR - ASY</b> . . . . . </p> <p><input type="checkbox"/> TYPE SYMMETRIC <b>HR - SYM</b> . . . . . </p>	<p><input type="checkbox"/> 70</p> <p><input type="checkbox"/> 70T<sup>2</sup></p> <p><input type="checkbox"/> 50</p> <p><input type="checkbox"/> 50T<sup>2</sup></p> <p><input type="checkbox"/> 42 CFL<sup>9</sup></p> <p><input type="checkbox"/> 39T<sup>2</sup> PSMH</p> <p><input type="checkbox"/> 35 HPS</p>	<p><input type="checkbox"/> PSMH</p> <p><input type="checkbox"/> HPS</p>	<p><input type="checkbox"/> 120</p> <p><input type="checkbox"/> 208<sup>7</sup></p> <p><input type="checkbox"/> 240</p> <p><input type="checkbox"/> 277<sup>8</sup></p> <p><input type="checkbox"/> 347</p>	<p><b>STANDARD TEXTURED FINISH</b></p> <p><input type="checkbox"/> BLACK <b>RAL-9005-T</b></p> <p><input type="checkbox"/> WHITE <b>RAL-9003-T</b></p> <p><input type="checkbox"/> GREY <b>RAL-7004-T</b></p> <p><input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b></p> <p><input type="checkbox"/> GREEN <b>RAL-6005-T</b></p> <p>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)</p> <p>CONSULT FACTORY FOR CUSTOM COLORS</p>	<p><input type="checkbox"/> HOUSE SIDE SHIELD . . . . HS</p> <p><input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . . PC+V</p> <p><input type="checkbox"/> SINGLE FUSE (120V, 277V) . . . . . SF</p> <p><input type="checkbox"/> DOUBLE FUSE (208V, 240V) . . . . . DF</p>
<p><b>NOTES FOR ELECTRONIC BALLASTS:</b> -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC -39W - 175W ARE 120 - 277VOLT -ABOVE 175W ARE 200 - 277VOLT -PSMH ONLY</p> <p><b>NOTES:</b> 1 - TUBULAR LAMP, PGZ18 BASE, -E BALLAST ONLY 2 - TUBULAR LAMP, G12 BASE 3 - FOR PSMH, HOR POSITION LAMP REQUIRED 4 - E39 BASE, HOR POSITION LAMP REQUIRED 5 - PSMH ONLY 6 - -E BALLAST NOT AVAILABLE 7 - N/A for 35HPS and 50HPS 8 - N/A for 35HPS 9 - GX24Q-4 BASE</p>						

# COLONIAL BOLLARD-WA SERIES

## SPECIFICATIONS

### BOLLARD

Four piece opal white acrylic lenses provided with heavy cast low copper aluminum corrosion resistant (A356 alloy, <0.2% copper) traditionally styled housing and top. Minimum wall thickness is .188". Top hinges for easy access. Silicone gasket between housing and hood. All hardware is stainless steel.

### LENSES

Opal white acrylic is standard. Lenses are gasketed at housing.

### OPTICS

Vertically oriented base down lamp produces a symmetric distribution. Sockets are porcelain 4KV pulse rated, (E26) medium base. Other bases as noted.

### ELECTRICAL MODULE

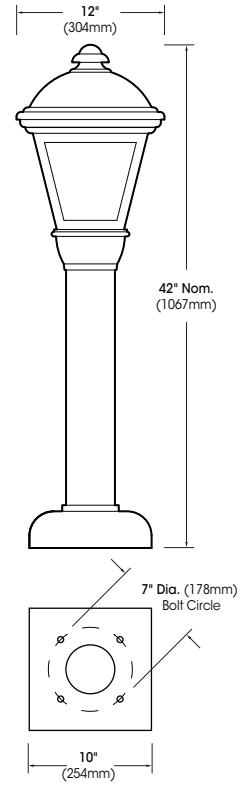
All electrical components are UL and cUL recognized are mounted on a single plate and factory prewired with quick-disconnect plugs. Standard electronic MH ballasts have power factor of >.95 (35/39W - 70W) -20°F starting, 120-277V, 50Hz/60Hz and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor (35/39W - 70W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (35/39W - 70W), -40°F starting.

### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

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

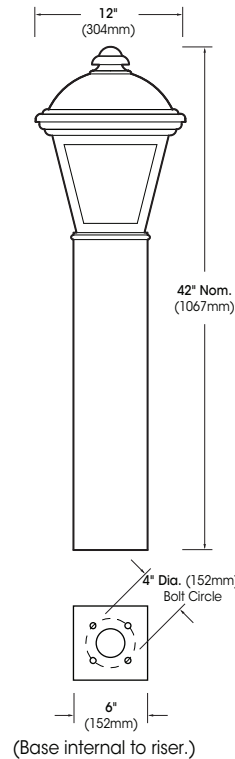
FIXTURE TYPE: \_\_\_\_\_



**COLB1-WA**



PATENT PENDING



**COLB2-WA**



PATENT PENDING

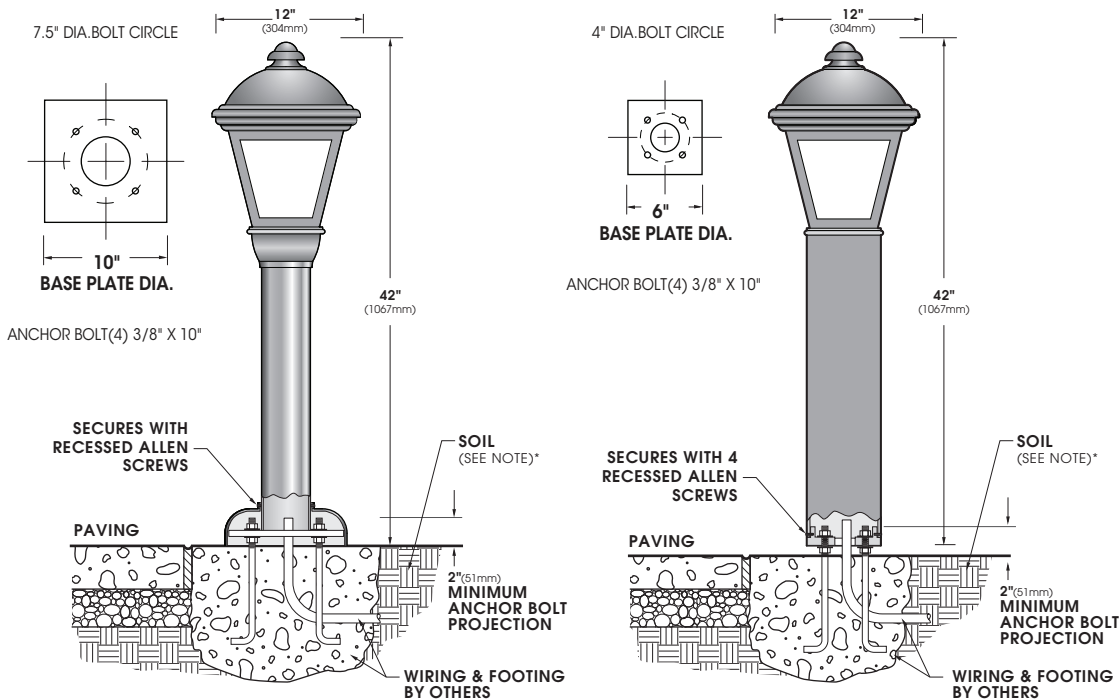


2014020

# COLONIAL BOLLARD-WA SERIES

## S P E C I F I C A T I O N S

### INSTALLATION



\* When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.

Spec/Order Example: COLB1-WA/VL-SYM/50PSMH277/RAL-9005

### OPTICS



VL - VERTICAL BARE LAMP  
HID

## S P E C / O R D E R I N G I N F O R M A T I O N

BOLLARD	OPTICS	# WATTS	TYPE	VOLTAGE	FINISH	OPTIONS
<b>BOLLARD</b>	<b>VERTICAL BARE LAMP</b>	<b>LAMP / BALLAST MODE</b>			<b>FINISH</b>	<b>OPTIONS</b>
<input type="checkbox"/> COLB1-WA (ROUND RISER)  <input type="checkbox"/> COLB2-WA (SQUARE RISER)	<input type="checkbox"/> TYPE SYMMETRIC VL - SYM. ....	<input type="checkbox"/> 70 <input type="checkbox"/> 70T <sup>2</sup> <input type="checkbox"/> 50 <input type="checkbox"/> 50T <sup>2</sup> <input type="checkbox"/> 42 CFL <sup>9</sup> <input type="checkbox"/> 39T <sup>2</sup> PSMH <input type="checkbox"/> 35 HPS	HID <input type="checkbox"/> PSMH <input type="checkbox"/> HPS	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <sup>7</sup> <input type="checkbox"/> 240 <input type="checkbox"/> 277 <sup>8</sup> <input type="checkbox"/> 347	<b>STANDARD TEXTURED FINISH</b> <input type="checkbox"/> BLACK RAL-9005-T  <input type="checkbox"/> WHITE RAL-9003-T  <input type="checkbox"/> GREY RAL-7004-T  <input type="checkbox"/> DARK BRONZE RAL-8019-T  <input type="checkbox"/> GREEN RAL-6005-T  FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)	<input type="checkbox"/> HOUSE SIDE SHIELD ..... HS  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) .... PC+V  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... SF  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... DF  <input type="checkbox"/> OPAL POLYCARBONATE DIFFUSER ..... WP
		<b>NOTES FOR ELECTRONIC BALLASTS:</b> -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC -39W - 175W ARE 120 - 277VOLT -ABOVE 175W ARE 200 - 277VOLT -PSMH ONLY  <b>NOTES:</b> 1 - TUBULAR LAMP, PGZ18 BASE, -E BALLAST ONLY 2 - TUBULAR LAMP, G12 BASE 3 - FOR PSMH, HOR POSITION LAMP REQUIRED 4 - E39 BASE, HOR POSITION LAMP REQUIRED 5 - PSMH ONLY 6 - -E BALLAST NOT AVAILABLE 7 - N/A for 35HPS and 50HPS 8 - N/A for 35HPS 9 - GX24Q-4 BASE				

# SOLID STATE AREA LIGHTING

---

## COLONIAL BOLLARD-CPA SERIES

### S P E C I F I C A T I O N S

#### BOLLARD

Four piece clear patterned acrylic lenses provided with heavy cast low copper aluminum corrosion resistant (A356 alloy, <0.2% copper) traditionally styled housing and top. Minimum wall thickness is .188". Top hinges for easy access. Silicone gasket between housing and hood. All hardware is stainless steel.

#### LENSES

Clear patterned acrylic is standard. Lenses are gasketed at housing.

#### HORIZONTAL LAMP OPTICAL SYSTEM

**Reflector Module** - One piece specular Alzak® optical reflector segments rigidly mounted to an aluminum frame and attached to the housing. Reflector module is field rotatable in 90° increments. Sockets are porcelain 4KV pulse rated, (E26) medium base. Other bases as noted. Reflector modules are factory prewired with quick-disconnect plug.

#### VERTICAL LAMP OPTICAL SYSTEMS

**Reflector/Refractor Module** - Borosilicate glass refractor produces either a symmetric or asymmetric distribution pattern. Sockets are porcelain 4KV pulse rated, medium base. Other bases as noted.

#### ELECTRICAL MODULE

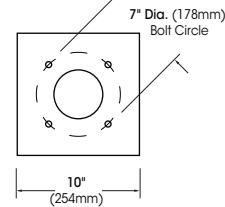
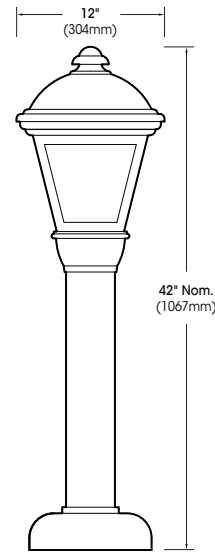
All electrical components are UL and cUL recognized are mounted on a single plate and factory prewired with quick-disconnect plugs. Standard electronic MH ballasts have power factor of >.95 (35/39W - 70W) -20°F starting, 120-277V and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor (35/39W - 70W), -20°F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (35/39W - 70W), -40°F starting.

#### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

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

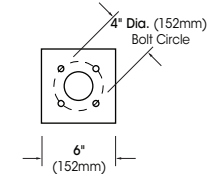
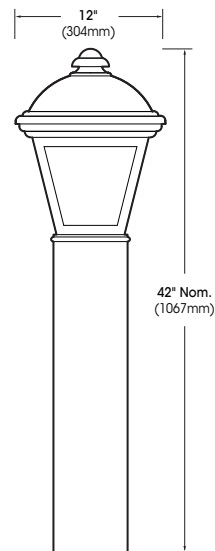
FIXTURE TYPE: \_\_\_\_\_



**COLB1-CPA**



PATENT PENDING



(Base internal to riser.)

**COLB2-CPA**



PATENT PENDING

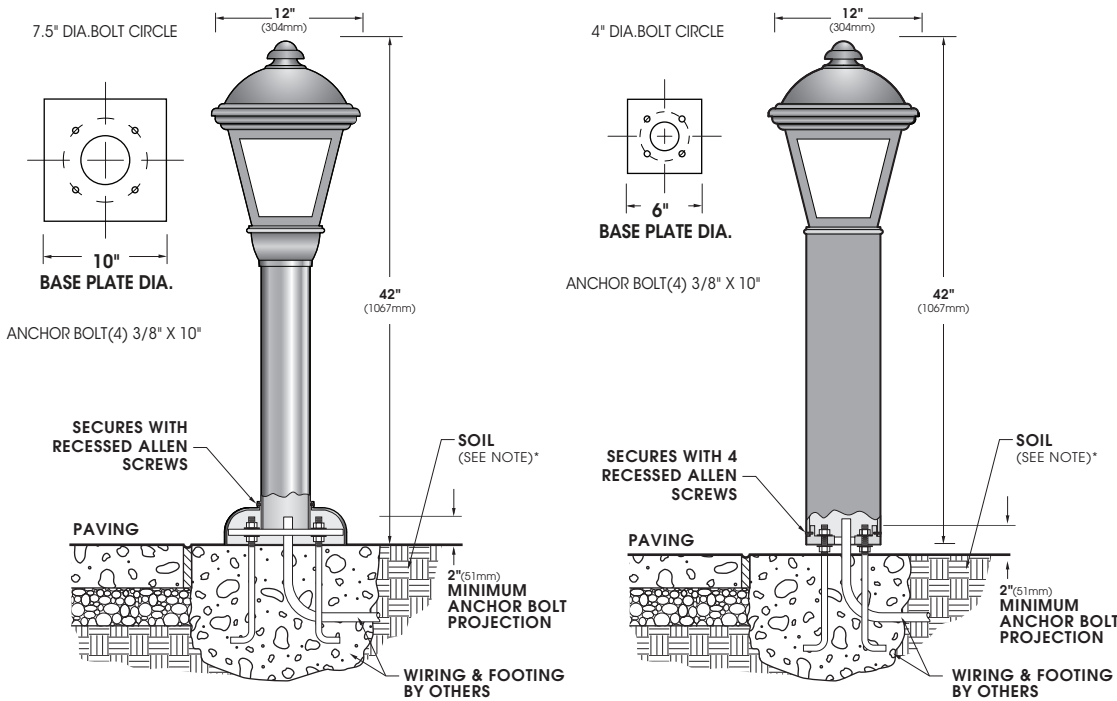


2014020

# COLONIAL BOLLARD-CPA SERIES

## S P E C I F I C A T I O N S

### INSTALLATION



\*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.

Spec/Order Example: COLB2-CPA/PG-V/70THPS347/RAL-8019/HS

### OPTICS



S P E C / O R D E R I N G I N F O R M A T I O N						
LUMINAIRE	OPTICS	# WATTS	TYPE	VOLTAGE	FINISH	OPTIONS
<b>LUMINAIRE</b>	<b>OPTICS</b>	<b>LAMP/BALLAST MODE</b>		<b>FINISH</b>	<b>OPTIONS</b>	
<input type="checkbox"/> <b>COLB1-CPA</b> (ROUND RISER)  <input type="checkbox"/> <b>COLB2-CPA</b> (SQUARE RISER)	<b>HORIZONTAL SEGMENTED REFLECTOR</b>  <input type="checkbox"/> TYPE ASYMMETRIC <b>HR - ASY.....</b>  <input type="checkbox"/> TYPE SYMMETRIC <b>HR - SYM.....</b>  <b>GLASS REFRACTOR</b>  <input type="checkbox"/> TYPE III <b>PG - III.....</b>  <input type="checkbox"/> TYPE V <b>PG-V.....</b>	<b>WATTS</b>  <input type="checkbox"/> 70  <input type="checkbox"/> 70 <sup>2</sup>  <input type="checkbox"/> 50  <input type="checkbox"/> 50 <sup>2</sup>  <input type="checkbox"/> 42 CFL <sup>9</sup>  <input type="checkbox"/> 39 <sup>2</sup> PSMH  <input type="checkbox"/> 35 HPS	<b>TYPE</b>  <input type="checkbox"/> PSMH  <input type="checkbox"/> HPS	<b>VOLTAGE</b>  <input type="checkbox"/> 120  <input type="checkbox"/> 208 <sup>7</sup>  <input type="checkbox"/> 240  <input type="checkbox"/> 277 <sup>8</sup>  <input type="checkbox"/> 347	<b>STANDARD TEXTURED FINISH</b>  <input type="checkbox"/> BLACK <b>RAL-9005-T</b>  <input type="checkbox"/> WHITE <b>RAL-9003-T</b>  <input type="checkbox"/> GREY <b>RAL-7004-T</b>  <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b>  <input type="checkbox"/> GREEN <b>RAL-6005-T</b>  FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9005)	<input type="checkbox"/> HOUSE SIDE SHIELD ..... <b>HS</b>  <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V)..... <b>DIM</b>  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... <b>HLSW</b>  <input type="checkbox"/> 10KV SURGE PROTECTOR..... <b>10SP</b>  <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) .... <b>20SP</b>  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) .... <b>PC+V</b>  <input type="checkbox"/> SINGLE FUSE (120V, 277V) ..... <b>SF</b>  <input type="checkbox"/> DOUBLE FUSE (208V, 240V) ..... <b>DF</b>
<p><b>NOTES FOR ELECTRONIC BALLASTS:</b>                      -ADD SUFFIX -E AFTER VOLTAGE FOR ELECTRONIC                      -39W - 175W ARE 120 - 277VOLT                      -ABOVE 175W ARE 200 - 277VOLT                      -PSMH ONLY</p> <p><b>NOTES:</b>                      1 - TUBULAR LAMP, PG218 BASE, -E BALLAST ONLY                      2 - TUBULAR LAMP, G12 BASE                      3 - FOR PSMH, HOR POSITION LAMP REQUIRED                      4 - E39 BASE, HOR POSITION LAMP REQUIRED                      5 - PSMH ONLY                      6 - -E BALLAST NOT AVAILABLE                      7 - N/A for 35HPS and 50HPS                      8 - N/A for 35HPS                      9 - GX24Q-4 BASE</p>						
CONSULT FACTORY FOR DIMMING OPTIONS						