

### W624 .W624LS . W626 . W626LS

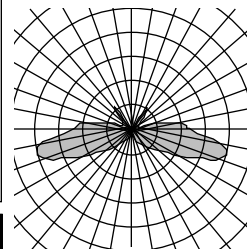
#### Specification

All exposed cast aluminum components are made of non corrosive pure aluminum copper free (Aluminum is less than .1% copper content.#356 alloy.)  
The luminaire base assembly is built with a hinge mechanism,allowing to tilt the top part of the luminaire to access the electrical equipment. No tools required. The quick disconnect ballast assembly is installed on a removable tray. The lamp is accessible with a twist and lock action.  
The ease of maintenance and lamp replacement concept will leave the optical chamber free of finger prints and foreign particles, Finish: All polyester powder baked coatings preceded with a 5 baths preparation process. Meets military grade MIL-C781706 with a 2000 hours salt spray test.

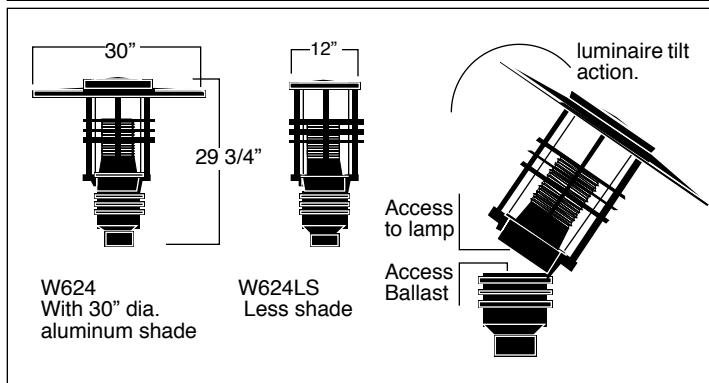
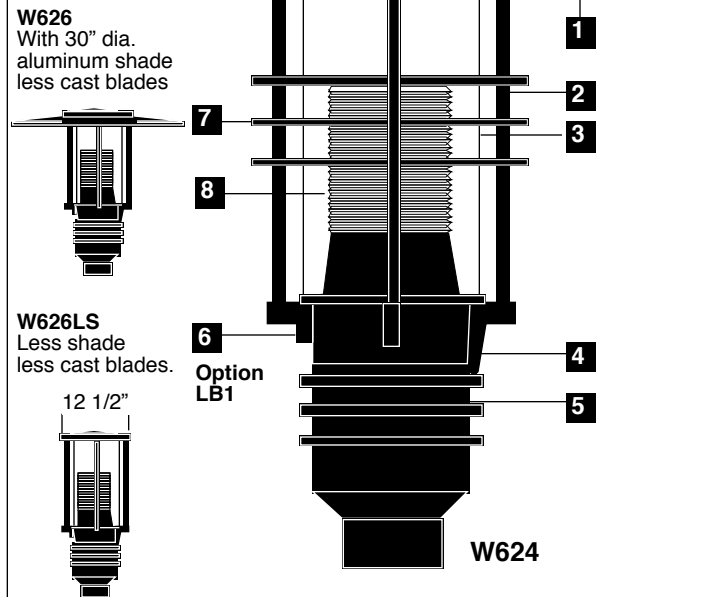
- Pulse rated medium base porcelain socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

- 1- Min. .093" hard aluminum shade, with underside white enamel to maximize light performance.
- 2- 1/2" dia. solid aluminum struts.
- 3- Clear U.V. protected high impact acrylic cylinder.
- 4- Cast Aluminum built-in hinge mechanism.
- 5- Cast Aluminum ballast housing with dissipation fins to maximize heat dissipation and cool operation of ballast.
- 6- Cast Aluminum swing out housing,with safety cable retainers. Push release button for quick access to electrical equipment. (No tools required for maintenance.) Button may be locked for limited access. (See option LB1)
- 7- **W624. W624LS:** Set of 3 interlocked cast aluminum louver blades.
- 8- Type V light distribution borosilicate refractor.

#### Photometry



Separate updated technical specification sheets with related models and light sources with I.E.S formatted photometry are available on [www.luminis.com](http://www.luminis.com).



#### Certification

UL. Wet Location.

#### Mounting & E.P.A.

E.P.A: 1.24 sq./ft Max. weight: 43 lbs..  
Installation: Mounts over a 4" or 5"O.D. Pole.X 4"ø tenon.

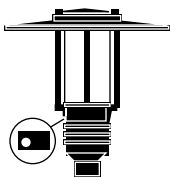
For options details and specifications, please refer to pages **41.42.43**

| Model#                                                                                                                                   | Mounting                                                                                                                                                                                                                                                                                      | Light source selection                                                                                                                                                                                                                                                         | Voltage                                                                                                                                                                                                                                                                                                                   | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> W624<br><input type="checkbox"/> W626<br><br><input type="checkbox"/> W624LS<br><input type="checkbox"/> W626LS | <b>Optional</b><br><input type="checkbox"/> ACA1<br><input type="checkbox"/> ACW1<br><input type="checkbox"/> EC3P<br><input type="checkbox"/> EC3W<br><br><input type="checkbox"/> ACA1<br><input type="checkbox"/> ACW1<br><input type="checkbox"/> EC3PS<br><input type="checkbox"/> EC3WS | <b>MH (ED17)</b><br><input type="checkbox"/> M70<br><input type="checkbox"/> M100<br><input type="checkbox"/> M150<br><input type="checkbox"/> M175<br><br><b>HPS (ED17)</b><br><input type="checkbox"/> H70<br><input type="checkbox"/> H100<br><input type="checkbox"/> H150 | <b>120 V</b> Standard factory prewired (If no voltage is specified)<br>For other voltages, please specify with catalog number.<br><b>H.I.D.</b><br><input type="checkbox"/> 208 V<br><input type="checkbox"/> 240 V<br><input type="checkbox"/> 277 V<br><input type="checkbox"/> 347 V<br><input type="checkbox"/> 480 V | (Refer to color chart)<br><b>Standard selection</b><br><input type="checkbox"/> <b>WHT:</b> Snow white<br><input type="checkbox"/> <b>BKT:</b> Jet black<br><input type="checkbox"/> <b>BZT:</b> Bronze<br><input type="checkbox"/> <b>GRT:</b> Titanium gray<br><input type="checkbox"/> <b>DGT:</b> Gun metal<br><input type="checkbox"/> <b>CHT:</b> Champagne<br><input type="checkbox"/> <b>MST:</b> Matte silver<br><input type="checkbox"/> <b>GNT:</b> Forest green<br><b>Optional colors</b><br><input type="checkbox"/> <b>CS:</b> Custom color<br><input type="checkbox"/> <b>RAL:</b> RAL# color | <b>Accessories</b><br><input type="checkbox"/> <b>LB1:</b> Release button lock<br><input type="checkbox"/> <b>LF1:</b> Partially frosted cylinder over lower mid portion House shield.<br><input type="checkbox"/> <b>H2:</b> Type III refractor.<br><input type="checkbox"/> <b>R4:</b> Type IV refractor.<br><input type="checkbox"/> <b>STS30:</b> Stainless steel shade.<br><br><b>Available with W624LS &amp; W626LS only.</b><br><input type="checkbox"/> <b>EC6:</b> Double dropped shade.<br><input type="checkbox"/> <b>EC7:</b> Single dropped shade<br><input type="checkbox"/> <b>EC5:</b> 18" dia.Cast aluminum shade<br><br><b>Electrical</b><br><input type="checkbox"/> <b>FS:</b> Fuse<br><input type="checkbox"/> <b>PH1:</b> 120/277V photo cell<br><input type="checkbox"/> <b>PH2:</b> 347V photo cell |

Luminaires may be altered for design improvements or discontinued without prior notice.

### Push Release button lock

Option: **LB1**



For restricted access.  
Locked push button.  
Requires 8-32 hexagonal  
key to release.

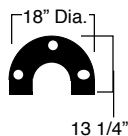
### General notes:

Please specify selected option as a  
suffix to luminaire model number.  
ex: W614-M100-WHT-LB1  
Each model is provided with a  
listing of compatible options. Some  
options may not be compatible  
when used in the same luminaire.  
Please check listings.

### Reflector disc

Option: **OS**

Aluminum oblong  
reflector disc.  
(Factory installed)  
Applicable to  
W632 & W640



### House side shield

Option:

**H2** For post top  
luminaires  
**H1** For bollard mount  
luminaires.

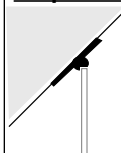


Exterior white  
enamel, and specular  
aluminum inner  
reflective surface.  
The shield is inserted  
and snaps inside the  
diffuser.  
360° on site rotation.

### Slope ceiling adaptor

Option: **SW45**

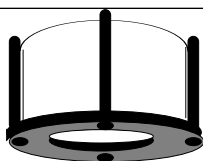
45° hang straight  
ball swivel  
for 5/8" dia.  
suspension stem.



### Suspension safety cable

Option: **STC**

Additional safety  
cable, extended  
12" beyond  
canopy



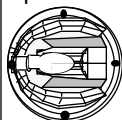
### Adjustable down light (W780 series)

Option: **DL4**

50W / MR16 adjustable down light  
Available with 120V power input. For other  
voltages, please consult factory  
Note: Other down light sources than shown with  
option DL4 are available. Please consult factory.

### Type III reflector

Option: **RF3 / RA3 / RL3 / PR3**



Type III Multifaceted  
specular reflector.  
(Single lamp only.)

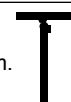
### Suspension stem

5/8" O.D. suspension stem.

**STM60** 60" lg.

**STM80** 80" lg.

For other factory cut to size length  
add suffix -**STM** with desired  
length to catalog# max. 120"

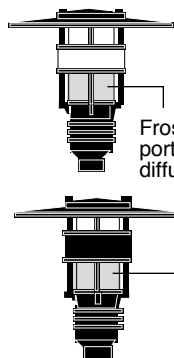


### Light distribution control

- Option: Type III light  
distribution  
refractor  
**R3**
- Option: Type IV light  
distribution  
refractor  
**R4**

### Semi frosted diffuser

Option: **LF1**



Frosted lower  
portion of  
diffuser.

### Type IV reflector

Option: **RF4 / RA4 / RL4**



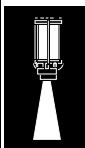
Type IV  
Forward throw  
aluminum specular  
reflector. (Single  
lamp only.)

### Wall mount light options

Option: **DL1**

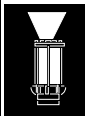
**DL1-277**

12V/50W MR16  
Down light with integral  
120/12V or 277/12V  
electronic transformer.  
other input voltages on  
request.



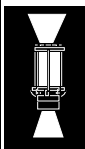
Option: **DL2**

Open sealed  
top cover  
allowing up-  
lighting



Option: **DLC**

DL1 / DL2  
Combination.



### Emergency battery pack

For 57w & 70w: Consult factory

**EM42**

One lamp:  
26w: 450 Lmns..  
32w: 575 Lmns..  
42w: 750 Lmns..  
Time: 90 Mnts -120/277V T 0° C

**Please refer to page 72 for  
more details**

### Fuse

Option

**FS**

Ballast protection fuse  
Available with H.I.D.  
luminaires only



Note: FS option fuse is factory  
calibrated and installed with  
selected wattage.

### Post mount luminaires:

FS installed with pole.

### All other types:

FS is installed with luminaire.

### Light photo sensor

Option: **PH1** -120V

**PH2** - 277 / 347V

Photo electric sensor,  
factory installed with the pole  
or inside fixture when pole is  
not required.



### Lamps & ballast

#### compatibility

#### Compact Fluorescent

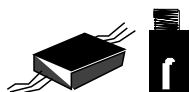
| Lamp<br>Watts | Lamp<br>base |
|---------------|--------------|
| 26W           | G24Xq3       |
| 32W           | G24Xq3       |
| 42W           | G24Xq4       |
| 57W           | G24Xq5       |
| 70W           | G24Xq6       |
| 85W           | 2G8-1        |
| 120W          | 2G8-1        |

#### Metal halide

| Lamp<br>Watts | Lamp<br>base | ANSI<br>Code |
|---------------|--------------|--------------|
| 39W           | T6/G12       | M130         |
| 50W           | ED17         | M110/M148    |
| 70W           | ED17         | M198/M143    |
| 70W           | T6/G12       | M139         |
| 100W          | ED17         | M90/M140     |
| 150W          | ED17         | M102/M142    |
| 150W          | T6/G12       | M142         |
| 175W          | ED17         | M57          |

### Quartz lamp restrike

Option: **QRS**



Quartz restrike standby lamp kit.  
When power failure is restored, it will  
energize temporary Quartz lamp with  
progressive dimming until full H.I.D  
light output is produced.  
max.100w DC bayonet type.  
(Lamp is not included.)  
Not Applicable with CFL lamps.

### Quartz lamp restrike

Option: **QS**



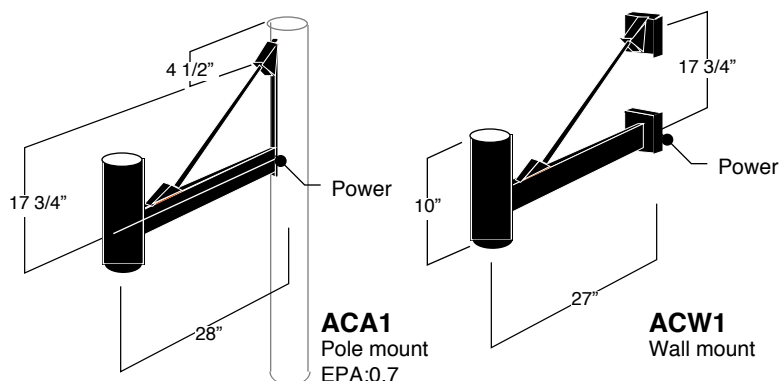
Quartz lamp socket for external 120V  
emergency power input.  
Separate 120V dedicated wiring is included.  
max.100 W DC bayonet type.  
(Lamp is not included.)  
Not Applicable with CFL lamps.

Luminaires may be altered for design improvements or discontinued without prior notice.

**LUMINIS** [ USA ] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309  
**LUMINIS** [ Canada ] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

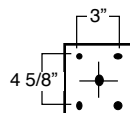
Tel: 954 .717 .4155 Fax: 954 . 717.4157  
Toll free: 888 .401 .6999

Web: [www.luminis.com](http://www.luminis.com)  
Sept. 2006 Rev. Feb.2007

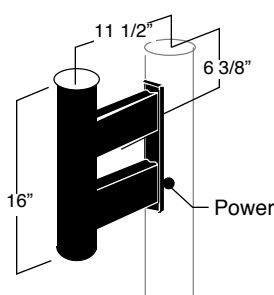
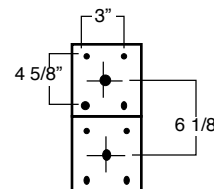


**ACA1/ ACW1** -1" x 3" extruded aluminum side pole or wall mounting adaptor.  
1/2" dia. stainless steel rod support. 10" x 4" o.dia. aluminum tenon.

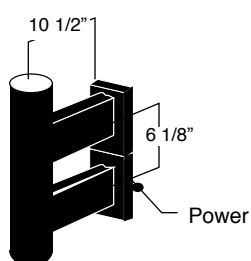
**ACW1 series**  
Mounting



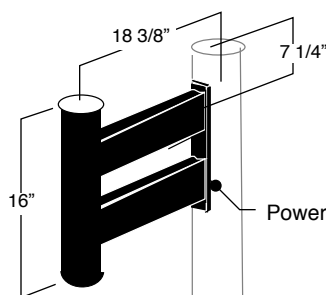
**EC3W**  
**EC3WS**  
series  
Mounting



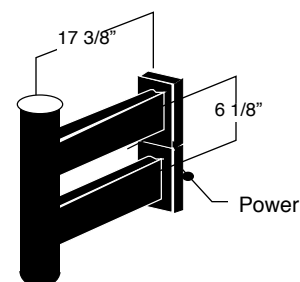
**EC3PS** -1" x 3" extruded aluminum twin short arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon. This option is applicable only to catalog numbers with the suffix **LS**  
EPA:0.72



**EC3WS** -1" x 3" extruded aluminum twin short arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates. This option is applicable only to catalog numbers with the suffix **LS**  
EPA:0.97



**EC3P** -1" x 3" extruded aluminum twin extended arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles. 16" lg. X4" o.d. tenon.  
EPA:0.97

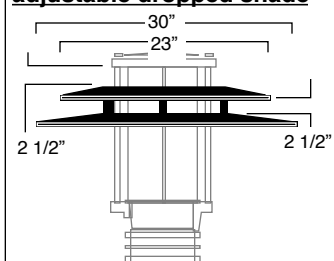


**EC3W** -1" x 3" extruded aluminum twin extended arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.

Please specify selected option with a suffix to the specified model number.

Ex: W624LS-**EC3WS-EC5** M100-WHT

**23/30" dia. aluminum double adjustable dropped shade**

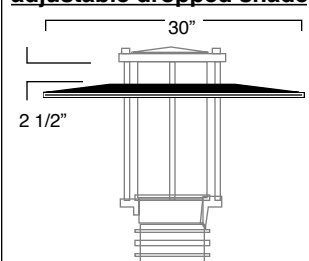


Set of two .093" thick hard aluminum shades factory prefixed. The underside is standard white enamel to optimize lighting performance. The set of shades can slide along the diffuser to accommodate various landscape viewing angles. Note: The distance between the two shades is fixed.

Option: **EC6** EPA:0.44

Compatible with:  
ACA1 EC3P  
ACW1 EC3W

**30" dia. aluminum single adjustable dropped shade**

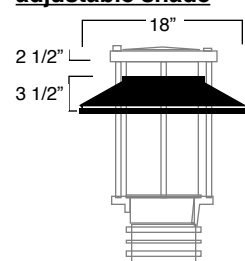


.093" thick hard aluminum factory prefixed dropped shade. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC7** EPA:0.25

Compatible with:  
ACA1 EC3P  
ACW1 EC3W

**18" dia. cast aluminum adjustable shade**

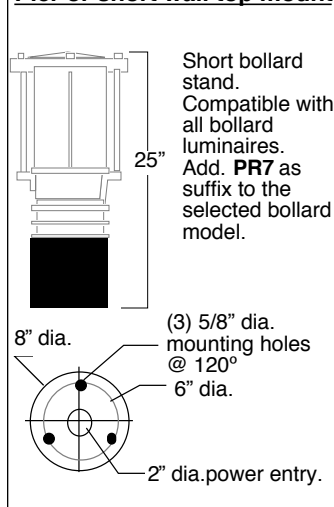


3/16" thick cast aluminum shade for applications where heavy traffic requires indestructible materials. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC5** EPA:0.26

Compatible with:  
ACA1 EC3P EC3PS  
ACW1 EC3W EC3WS

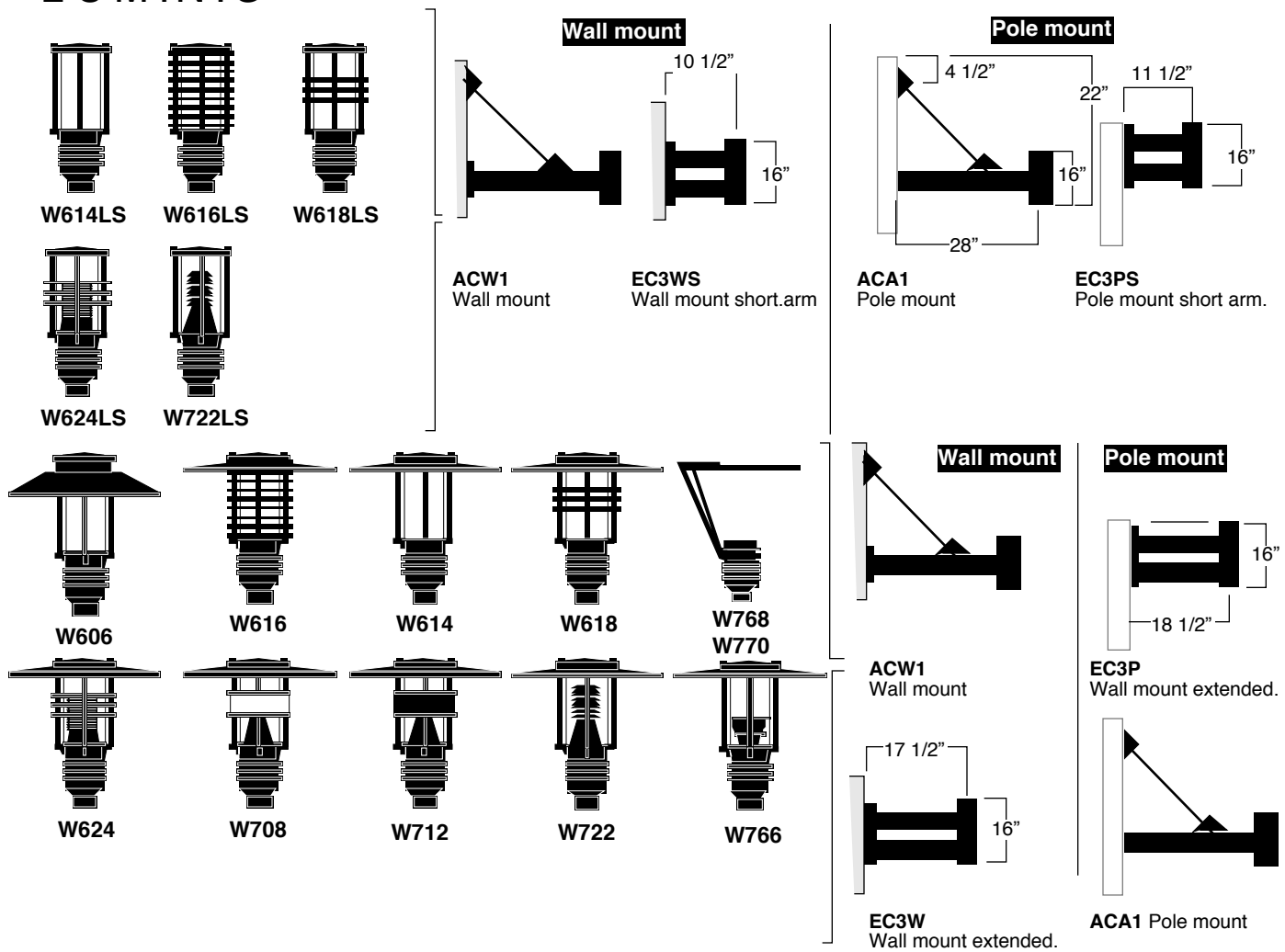
**Pier or short wall top mount**



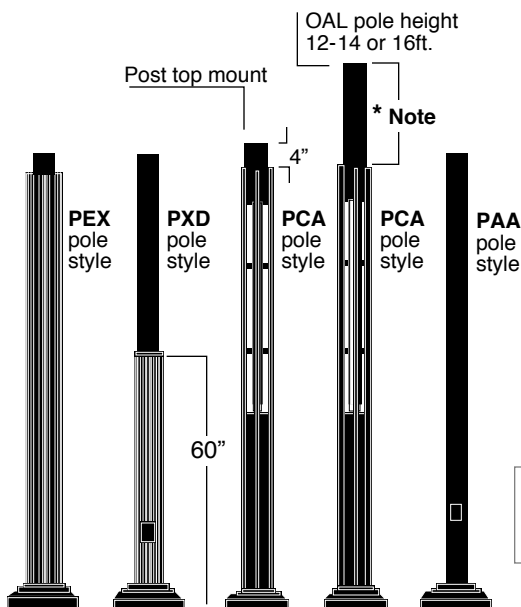
Option: **PR7**

Compatible with:  
W788 TO W791 Bollard series.

Luminaires may be altered for design improvements or discontinued without prior notice.



\* Note:  
36" extension with ACA attachment  
24" extension with EC3P attachment



### Compatible poles listing.

| Post top mounting                              |            |           |           |           |             |
|------------------------------------------------|------------|-----------|-----------|-----------|-------------|
| 4"O.D.                                         | 5"O.D.     | 4"O.D.    | 4"O.D.    | 4"O.D.    | Pole height |
| PAA410                                         | PAA510-A   | PCA10     | PEX10     | PXD10     | 10 ft       |
| PAA412                                         | PAA512-A   | PCA12     | PEX12     | PXD12     | 12 ft       |
| PAA414                                         | PAA514-A   | PCA14     | PEX14     | PXD14     | 14 ft       |
| PAA416                                         | PAA516-A   | PCA16     | PEX16     | PXD16     | 16 ft       |
| PAA418                                         | PAA518-A   |           | PEX18     | PXD18     | 18 ft       |
| PAA420                                         | PAA520-A   |           | PEX20     | PXD20     | 20 ft       |
| Post side mount with EC3P attachment accessory |            |           |           |           |             |
| PAA410-C3P                                     | PAA510-C3P |           |           |           | 10 ft       |
| PAA412-C3P                                     | PAA512-C3P | PCA12-C3P | PEX12-C3P | PXD12-C3P | 12 ft       |
| PAA414-C3P                                     | PAA514-C3P | PCA14-C3P | PEX14-C3P | PXD14-C3P | 14 ft       |
| PAA416-C3P                                     | PAA516-C3P | PCA16-C3P | PEX16-C3P | PXD16-C3P | 16 ft       |
| PAA418-C3P                                     | PAA518-C3P |           | PEX18-C3P | PXD18-C3P | 18 ft       |
| PAA420-C3P                                     | PAA520-C3P |           |           |           | 20 ft       |
| Post side mount with ACA1 attachment accessory |            |           |           |           |             |
| PAA414-ACA                                     | PAA514-ACA | PCA14-ACA | PXD14-ACA |           | 14 ft       |
| PAA416-ACA                                     | PAA516-ACA | PCA16-ACA | PXD16-ACA |           | 16 ft       |
| PAA418-ACA                                     | PAA518-ACA |           | PXD18-ACA |           | 18 ft       |
| PAA420-ACA                                     | PAA520-ACA |           | PXD20-ACA |           | 20 ft       |

For poles details and specification, please refer to pages 140 to 144

Luminaires may be altered for design improvements or discontinued without prior notice.

**LUMINIS** [ USA ] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309  
**LUMINIS** [ Canada ] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

Tel: 954 .717 .4155 Fax: 954 . 717.4157  
 Toll free: 888 .401 .6999

Web: www.luminis.com  
 Sept. 2006 Rev. Feb.2007