

### Specification

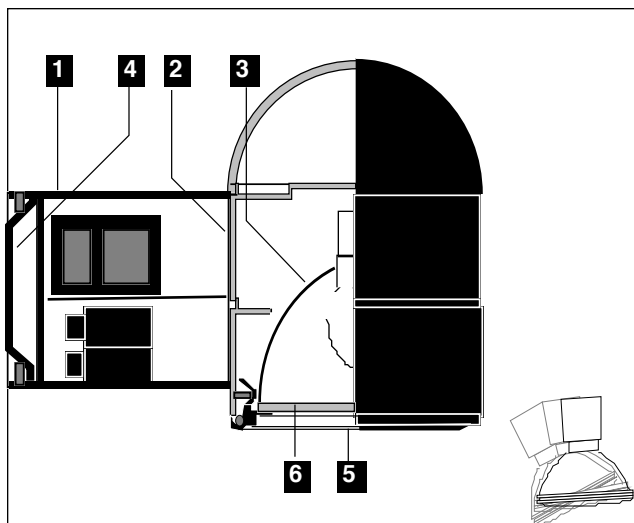
**W1220 . W1220S . W1220L**

All exposed cast aluminum components are made of non corrosive pure aluminum copper free (Aluminum is less than .1% copper content.#356 alloy.)

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.

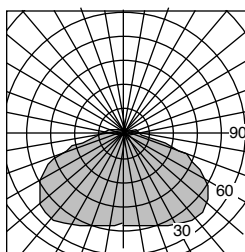
- Pulse rated porcelain socket or 75W/600V thermoplastic compact fluorescent socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast. Or 98% P.F.electronic smart ballast with end of life detection for compact fluorescent.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

- 1- Cast aluminum ballast housing.
- 2- Cast aluminum modular optical light chamber.
- 3- Semi-specular aluminum reflector.
- 4- #12 Ga, Galvanized wall pressure mounting plate.
- 5- Cast aluminum sealed lens frame
- 6- Clear tempered lens



Alternate model with internal lamp adjustability allowing a 358° rotation X 30° tilt from vertical position with P39/P70/P100 H.I.D. sources.

### 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

Max. weight: 27 lbs.

Installation: Mounts over a standard 4" octagonal electrical box with 3 1/2" c/c mounting holes. (by others). Additional separate mounting holes are provided with wall plate..

Please refer to page **128** for additional details.

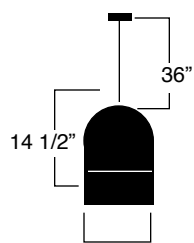
| Model#                                                                                               | Light source selection                                                                                                                              | Voltage                                                                                                                                                                                                                                                                                                                                                                                               | Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> W1220<br><input type="checkbox"/> W1220S<br><input type="checkbox"/> W1220L | <b>MH (ED17)</b><br><input type="checkbox"/> M70<br><input type="checkbox"/> M100<br><input type="checkbox"/> M150<br><input type="checkbox"/> M175 | <b>120 V</b> Standard factory prewired<br>(If no voltage is specified)<br>For other voltages, please specify with catalog number.<br><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><br><b>Compact fluorescent smart ballast 120/277</b><br><input type="checkbox"/> 347 V (To specify) | (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>Electrical</b><br><input type="checkbox"/> <b>EM42S:</b> 1 lamp (26/32/42W) EM battery.<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.<br><input type="checkbox"/> <b>QS:</b> Quartz lamp socket for external emergency power.<br><input type="checkbox"/> <b>QRS:</b> Quartz restrike standby relay.<br><br><b>EM optional battery test switch and pilot lamp are installed remotely. (See page103)</b> |
|                                                                                                      | <b>CF (Gx24q)</b><br><b>Single lamp</b><br><input type="checkbox"/> F142<br><input type="checkbox"/> F157                                           |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                      | <b>HPS (ED17)</b><br><input type="checkbox"/> H70<br><input type="checkbox"/> H100<br><input type="checkbox"/> H150                                 |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                      | <b>CF (Gx24q)</b><br><b>Two lamp</b><br><input type="checkbox"/> F226<br><input type="checkbox"/> F232                                              |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="checkbox"/> W1220<br><input type="checkbox"/> W1220S<br><input type="checkbox"/> W1220L | <b>PAR lamps</b><br><input type="checkbox"/> PH39 (PAR20)<br><input type="checkbox"/> PH70 (PAR30L)<br><input type="checkbox"/> PH100 (PAR38)       | <b>Adjustable lamps</b>                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                      | (Lamps by others)                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Luminaries may be altered for improvements or discontinued without prior notice.

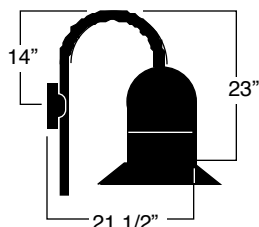
**LUMINIS [ USA ]** - 3555 NW 53rd Court, Fort Lauderdale, FL.33309  
**LUMINIS [ Canada ]** - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5

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

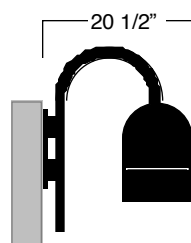
Web: [www.luminis.com](http://www.luminis.com)  
 Sept. 2006 Rev. Feb.2007



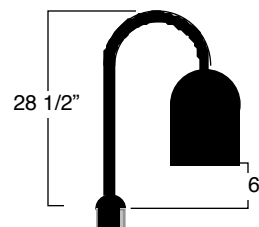
**-S** 15° swivel ceiling mount with 5/8" dia.X36"lg. aluminum stem. Luminaire top adaptor allowing to cut stem to length on site. (Mounts over a standard 4" octagonal box with 3 1/2" C/C holes)



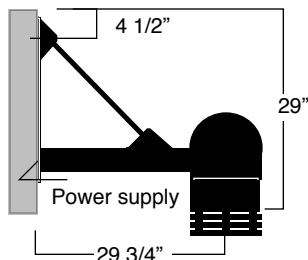
**-W2** -1 1/2" Dia. shepherd aluminum arm wall mount, with a cast aluminum wall cover and galvanized steel mounting plate.



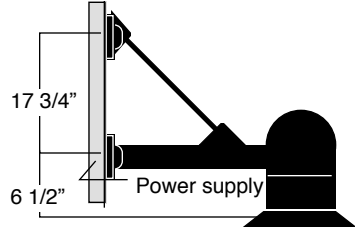
**-APA2** -1 1/2" Dia. shepherd aluminum side pole mount. (EPA:1.12)



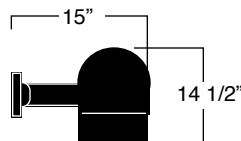
**-APS** -1 1/2" Dia. shepherd aluminum post top mount, with a cast aluminum tenon to fit with a 3 3/4" I.D. pole (EPA:1.17)



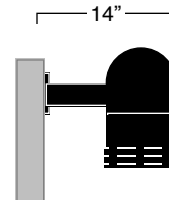
**-ACA2** -1" x 3" extruded aluminum Davit arm pole mounting adaptor designed to fit with 4 to 5" dia. poles. 1/2" dia.X 45° standard natural stainless steel rod support (EPA:1.58)



**-ACW2** -1" x 3" extruded aluminum Davit arm wall mounting adaptor with cast aluminum covers and galvanized steel mounting plates. 1/2" dia.X 45° standard natural stainless steel rod support.



**-T2** -1" x 3" extruded aluminum wall mounting straight adaptor with cast aluminum cover and galvanized steel mounting plate.



**-APC2** -1" x 3" extruded aluminum side pole mounting straight adaptor (EPA:1.3)

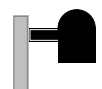
### Compatible poles listing.

#### Post side mount with APA2 attachment accessory



| 4"O.D.     | 5"O.D.     | 4"O.D.    | 4"O.D.    | Pole height |
|------------|------------|-----------|-----------|-------------|
| PAA410-APA | PAA510-APA | PCA12-APA | PXD10-APA | 10 ft       |
| PAA412-APA | PAA512-APA | PCA14-APA | PXD12-APA | 12 ft       |
| PAA414-APA | PAA514-APA | PCA16-APA | PXD14-APA | 14 ft       |
| PAA416-APA | PAA516-APA |           | PXD16-APA | 16 ft       |
| PAA418-APA | PAA518-APA |           | PXD18-APA | 18 ft       |
| PAA420-APA | PAA520-APA |           | PXD20-APA | 20 ft       |

#### Post side mount with APC2 attachment accessory



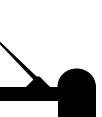
|            |            |           |           |       |
|------------|------------|-----------|-----------|-------|
| PAA410-APC | PAA510-APC | PCA12-APC | PXD10-APC | 10 ft |
| PAA412-APC | PAA512-APC | PCA14-APC | PXD12-APC | 12 ft |
| PAA414-APC | PAA514-APC | PCA16-APC | PXD14-APC | 14 ft |
| PAA416-APC | PAA516-APC |           | PXD16-APC | 16 ft |
| PAA418-APC | PAA518-APC |           | PXD18-APC | 18 ft |
| PAA420-APC | PAA520-APC |           | PXD20-APC | 20 ft |

#### Post side mount with APS attachment accessory



|          |           |         |         |       |
|----------|-----------|---------|---------|-------|
| PAA410-A | PAA510-A1 | PCA10-A | PXD10-A | 10 ft |
| PAA412-A | PAA512-A1 | PCA12-A | PXD12-A | 12 ft |
| PAA414-A | PAA514-A1 | PCA14-A | PXD14-A | 14 ft |
| PAA416-A | PAA516-A1 | PCA16-A | PXD16-A | 16 ft |
| PAA418-A | PAA518-A1 |         | PXD18-A | 18 ft |
| PAA420-A | PAA520-A1 |         | PXD20-A | 20 ft |

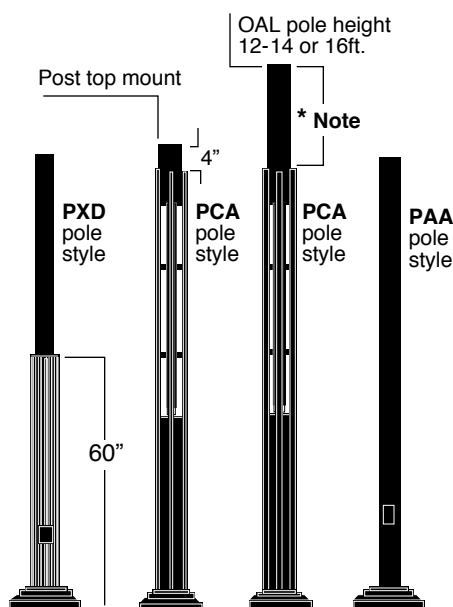
#### Post side mount with ACA2 attachment accessory



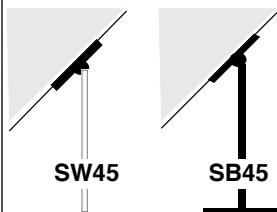
|            |            |           |           |       |
|------------|------------|-----------|-----------|-------|
| PAA414-ACA | PAA514-ACA | PCA14-ACA | PXD14-ACA | 14 ft |
| PAA416-ACA | PAA516-ACA | PCA16-ACA | PXD16-ACA | 16 ft |
| PAA418-ACA | PAA518-ACA |           | PXD18-ACA | 18 ft |
| PAA420-ACA | PAA520-ACA |           | PXD20-ACA | 20 ft |

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

\* Note:  
36" extension with ACA2 attachment  
24" extension with APA2 & APC2 attachment



### Slope ceiling adaptor



#### Option: SW45

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

#### Option: SB45

45° hang straight ball swivel for 5/8" dia. suspension stem. with adaptor plate for W1250S

### Longer suspension stem

Option



Stems can be cut on site and rethreaded externally (Tap size 1/4 IPS / 1/4-18)

STM60 STA60: 60" lg. X5/8" O.D. suspension stem.  
STM80 STA80: 80" lg. X5/8" O.D. suspension stem.

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

### Suspension power cord



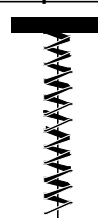
**Note:** cable size and type may change at factory discretion upon availability, to accommodate required wiring with selected option.

#### Option: SPW (White) SPB (Black)

3/18 X 36"lg. power cord with adjustable aircraft cable.

**SPB** Black power cable only with options  
EM42  
EM242  
QS

### Spiral suspension power cord



#### Option: TCW (White) TCB (Black)

3/18 Spiral power cord Max. 277V  
Standard extended length: 3ft.

Not applicable when using options  
EM42  
EM242  
QS

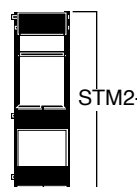
### Safety suspension cable



#### Option: STC

Safety aircraft suspension cable, for applications with earthquake regulations.  
Cables extends 18" beyond canopy.  
(Secured to building structure)

### Overall length change:

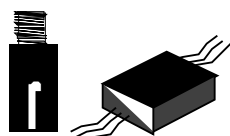


#### Option: STM2

Change total suspension length from standard length.  
Specify desired length in inches.  
EX: STM2-72"

### 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.

### Emergency battery back-up

#### EM42 / EM42S

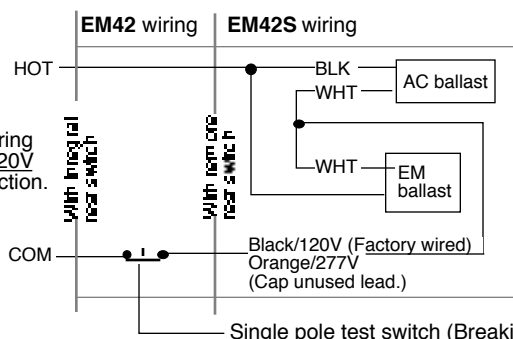
##### One lamp:

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

**Note:** Use of Emergency battery, requires periodic and regular testing to ensure correct operation. (please refer to manufacturer's instructions.)

For 57w & 70w:  
(Remote installation only) Consult factory

EM Ballast wiring diagram for 120V factory connection.



#### **Note:**

**EM42 option is supplied with integral test switch and pilot light.**

**EM42S is supplied with additional wiring for external remotely installed test switch and pilot light.**