

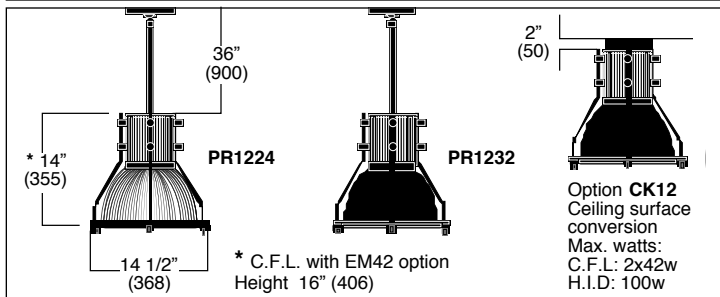
## Specification PR1224 . PR1232

Ceiling pendant with clear acrylic prismatic diffuser or semi specular anodized aluminum reflector. An array of optional attachments and accessories are available to customize, and adapt each luminaire to particular design scheme and lighting concept.

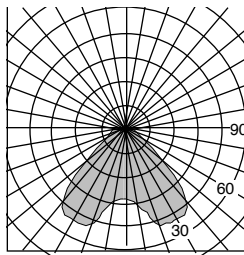
Finish: All polyester powder baked coatings preceded with a 5 baths preparation process.

- Pulse rated porcelain socket or 75W/600V thermoplastic compact fluorescent socket.
- High power factor CWA ballast. Or 98% P.F. electronic smart ballast with end of life detection for compact fluorescent.

- 1- Heavy duty hang straight swivel, with 4 1/2" dia. (115) canopy and universal mounting plate.
- 2- 5/8" Dia. (16) X36" lg. (900) suspension stem. Precut factory stems are available on request (Specify option STM with desired length). (Options STM60 & STM80 for longer stems.)
- 3- Cast aluminum removable top cover for quick maintenance.
- 4- Extruded aluminum ballast housing module with a fine linear stria pattern.
- 5- 1/4" dia. aluminum side struts.
- 6- Aluminum lens support bottom ring.
- 7- **PR1224:** Clear acrylic prismatic diffuser, with open lens support bottom ring. (Colored lens diffusers are available on request)  
**PR1232:** Semi specular anodized aluminum reflector, with open lens support bottom ring. Alternate reflector finish (Options RP2)



## 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 Mounting.

UL. Indoor use.  
 (CE certification on request)

Max. weight: 14 lbs.(6.6).  
 Installation: Mounts over a standard 4"(100) octagonal box with 3 1/2" (89) c/c mounting holes.

## Options

- Mounting**
- CK12:** Surface ceiling mount
  - STC:** Safety cable.
  - STM60:** 60"lg. (1525) Stem.
  - STM80:** 80"lg. (2030) Stem.
  - STM:** Cut to size stem.
  - SW45:** 36" lg. stem with 45° hang straight swivel
  - TCB:** Black spiral power cord.
  - TCW:** White spiral power cord.
  - SPB:** 3/18 black straight power cord with aircraft cable.
  - SPW:** 3/18 white straight power cord with aircraft cable.
- Accessories**
- W12:** Frosted prismatic diffuser.
  - D12T:** Clear prismatic conical lens.
  - L11:** Clear flat bottom lens.
  - LB12:** Cross blades louver.
  - BA12:** Satin anodized band.
  - BC12:** Colored alum. band same as luminaire.
  - RP2 :** Inside reflector semi-specular. Outside reflector same as luminaire
- Electrical**
- Dimming & dual switch options:  
 Please refer to page 16
- DM1:** 1x26w / 1x32w / 1x42w 120V Dimming ballast.
  - DM2:** 2x26W 120V Dimming ballast.
  - DM3:** 2x32w / 2x42w 1X57 / 1X70W 120V Dimming ballast.
  - DS1:** Dual switch 1 lamp.
  - EM42:** 1 lamp (26/32/42W) Integral Emergency battery back up..
  - QRS:** Quartz restrike standby relay.
  - QS:** Quartz lamp socket for external emergency power.

| Model#   | Light source selection   | Voltage   | Finish  |
|--|--|---|---|
| <input type="checkbox"/> PR1224<br><input type="checkbox"/> PR1232 | <b>CF (Gx24q)</b>  | <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. (ED17)</b><br><input type="checkbox"/> 120 V<br><input type="checkbox"/> 277 V<br><input type="checkbox"/> 347 V<br><b>COMP. FLUO.</b><br><b>Smart ballast 120/277</b><br><input type="checkbox"/> 347 V (To specify) | (Refer to color chart)<br><u>Standard selection</u><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><u>Optional colors</u><br><input type="checkbox"/> <b>CS:</b> Custom color<br><input type="checkbox"/> <b>RAL:</b> RAL# color |
|  | <input type="checkbox"/> <b>Single lamp</b><br><input type="checkbox"/> F118<br><input type="checkbox"/> F126<br><input type="checkbox"/> F132<br><input type="checkbox"/> F142<br><input type="checkbox"/> <b>Two lamps</b><br><input type="checkbox"/> F218<br><input type="checkbox"/> F226<br><input type="checkbox"/> F232<br><input type="checkbox"/> F242 |   |   |
|  | <b>MH (ED17) INC. (A19)</b><br><input type="checkbox"/> M50<br><input type="checkbox"/> M70<br><input type="checkbox"/> M100<br><input type="checkbox"/> A100  |   |   |

(Open rated lamps only.)

● (Lamps: By others)

Refer to pages 16 . 17 . 18 for details on listed options.

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

### Emergency battery back-up

#### EM42

One lamp:

26w: 450 Lmns.  
32w: 575 Lmns.  
42w: 750 Lmns.

Time: 90 Mnts -120/277V / T 0° C

#### Note:

\*Unless otherwise specified, test switch and indicator light are installed with luminaires at all times.

\*Standard factory prewiring for

#### Unswitched luminaire.

Optional:

- \* **EM42S** Switched luminaire wired for external wall switch control.
- \* **EM242S** To be specified if required.

For 57w & 70w:

(Remote installation only) Consult factory

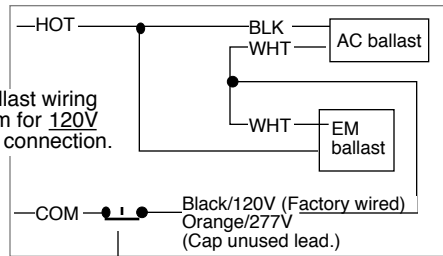
**Note: Overall luminaire height will increase by 2" (50) to accommodate battery back-up**

#### EM242

Two lamp:

26w / 32w  
750 Lmns.

EM Ballast wiring diagram for 120V factory connection.



Single pole test switch (Breaking the connection)

**If remote test switch is required, please add -S to option**

### Electronic dimming ballast

Dimming specification



Specifying option

| 120V            | 277V            | NO. of lamps |
|-----------------|-----------------|--------------|
| <b>DM1-120</b>  | <b>DM1-277</b>  | 1X26/32/42W  |
| <b>DM2-120</b>  | <b>DM2-277</b>  | 2X26W        |
| <b>2DM2-120</b> | <b>2DM2-277</b> | 4X26W        |
| <b>DM3-120</b>  | <b>DM3-277</b>  | 2X32/42W     |
| <b>DM3-120</b>  | <b>DM3-277</b>  | 1X57/70W     |
| <b>DM4-120</b>  | <b>DM4-277</b>  | 2X57/70W     |
| <b>2DM3-120</b> | <b>2DM3-277</b> | 4X32/42W     |
| <b>3DM3-120</b> | <b>3DM3-277</b> | 6X32/42W     |
| <b>DM5-120</b>  | <b>DM5-277</b>  | 4X57/70W     |

Standard dimming ballast

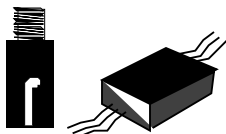
MARK X 60HZ / EOL protection

Dimming:5-100% Min. start. temp. 10°C (50°F)

Burn lamps 100 hrs at full light output before dimming.

### 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 emergency socket

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.

### Pulse start ballast

Note: Add suffix PS to selected lamp wattage.

Use of pulse start lamp and ballast combination requires a lens enclosure with the luminaire. Please check with compatible luminaire lens option.

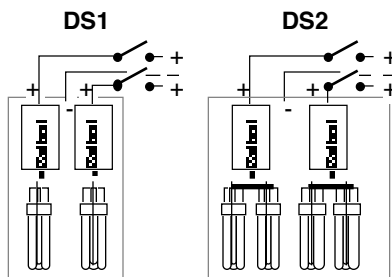
Note: Some pulse start lamps may be available as protected lamp version to eliminate the lens enclosure. If required, please contact factory to verify availability and compatibility.

### Dual switching

Luminaires ballasts are wired for external switching control.

**DS1:** Luminaires with 2 lamps individually externally controlled.

**DS2:** Luminaires with 4 lamps or more are externally controlled by set of 2 lamps.(for other lamp groupings, please consult factory)



**DS2:** Luminaire ballast housing length and stem size may be increased to accommodate required number of ballasts.

**DS1-26:**

Dual single lamp switching 26W

**DS2-26:**

Dual lamp switching by pair 2x26W

**DS1-42:**

Dual single lamp switching 32W or 42W

**DS2-42:**

Dual lamp switching by pair 2x32W or 2X42W

**DS1-70:**

Dual single lamp switching 57W or 70W

**DS2-70:**

Dual lamp switching by pair 2x57W or 2X70W

**DS1-120:**

Dual single lamp switching 85W or 120W

**DS2-120:**

Dual lamp switching by pair 2x85W or 2x120W

**DS2-642:**

Dual lamp switching by pair 2x32W or 2X42W

**DS2-842:**

Dual lamp switching by pair 2x32W or 2X42W

**DS2-657:**

Dual lamp switching by pair 2x57W or 2X70W

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

**Slope ceiling adaptor**

Option: **SW45**  
45° hang straight ball swivel for 5/8" dia. suspension stem.

Option: **SB45**  
45° hang straight ball swivel with adaptor plate for AR115 AR117 - AR119 - AR121 series

**Longer suspension stem**

Option

\***STA** option for: AR115 AR117-AR119 AR121 only.

**STM60** \***STA60**: 36" lg. X5/8" O.D. suspension stem.  
**STM80** \***STA80**: 60" lg. X5/8" O.D. suspension stem.  
**STM80** \***STA80**: 80" lg. X5/8" O.D. suspension stem.

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

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

**Suspension power cord**

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

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

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

**SPB** Black power cable only with options EM42 / EM42S EM242 / EM242S QS / DS/ DS2

**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 / EM42S EM242 / EM242S QS / DS/ DS2

**Safety suspension cable**

Option: **STC**

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

**Ceiling surface mounting.**

Ceiling surface mount conversion kit. Mounts with a Standard 4" octagonal electrical box. (by others)

Option:

**CK12** Max. watts: C.F.L: 2x42w H.I.D: 100w

**CK16** Max. watts: C.F.L: 2x70w H.I.D: 100w

**Optional lens:**

**Luminous blue edge lens**

Option: **LBL** 15" Dia. Kronos replacement frosted lens with luminous blue clear edging.

Option: **L18F:** Frosted acrylic full lens enclosure. (Kronos KR series)

**L11:** Clear lens (Prisma Nova 12)  
**L12:** Clear lens (Prisma 12)  
**L16:** Clear lens (Prisma 16)  
**L17:** Clear lens (Prisma Nova 16)  
**L21:** Clear lens (Prisma Nova 24)  
**L22:** Clear lens (Prisma 24)

**Conduit adaptor**

3/4" NPT Female Threaded adaptor (Electrical conduit and other support hardware by others)

Option: **TA**

**Cross guard ring**

Option: **CLA:** Satin anodized.

3/16" thick aluminum cross guard ring. Available with Kronos series only.

**Optional damp location conversion kit:**

**DA:** Damp location converter glass cover

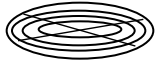
**Cross blade louver**

2" Deep aluminum satin anodized cross blade louver.

Option: **LB12:** Satin anodized 12"  
**LB16:** Satin anodized 16"  
**LB22:** Satin anodized 21"

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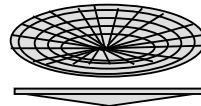
### Wire Guard



Option:  
**GL16** Prisma 16 series  
**GL22** Prisma 22 series

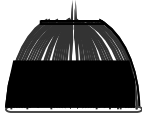
Galvanized wire guard with concentric rings

### Clear prismatic conical drop lens



Option:  
**D12:** Clear lens (Prisma 12)  
**D16:** Clear lens (Prisma 16)  
**D22:** Clear lens (Prisma 22)  
**D12T:** Clear lens (Prisma Nova 12)  
**D16T:** Clear lens (Prisma Nova 16)  
**D22T:** Clear lens (Prisma Nova 22)

### Diffuser trim



Option:  
 Aluminum diffuser trim 12" x 3 1/2" high  
**BA12** Satin anodized aluminum trim.  
**BC12** Painted aluminum trim same color as luminaire.

Aluminum diffuser trim 16" x 5 1/2" high  
**BA16** Satin anodized aluminum trim.  
**BC16** Painted aluminum trim.

Aluminum diffuser trim 21" x 6 1/2" high  
**BA22** Satin anodized aluminum trim.  
**BC22** Painted aluminum trim.

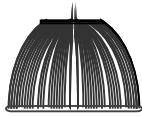
### Reflector finish



Option:  
 Inside reflector: **Semi-specular**  
 Outside reflector: **Same color as luminaire**

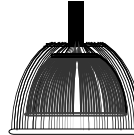
**RP2** Prisma 12 & Prisma Nova 12  
**RP6** Prisma 16 & Prisma Nova 16  
**RP8** Prisma 22 & Prisma Nova 22  
**RP9** Kronos & Torx

### Frosted prismatic diffuser



Option:  
**W12** Frosted 12" dia. prismatic lens diffuser.  
**W16** Frosted 16" dia. prismatic lens diffuser.  
**W22** Frosted 21" dia. prismatic lens diffuser.

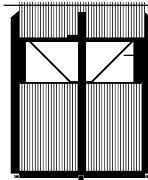
### Alternate inner diffuser



Alternate inner diffuser for PR1630 series.

Option:  
**CR12:** 12" dia. inner vibrant red diffuser.  
**CY12:** 12" dia. vibrant yellow inner diffuser.

### Alternate Up light reflector finish (Aramis AR101 series)



**RD1:**  
 White enamel indirect reflector.  
 All other visible metal parts as per specified color.

### Non compatible options

- (DS1/DS2) Dual switching with (DM) Dimming ballast
- (DS1/DS2) Dual switching with (EM) Emergency battery
- (DM) Dimming ballast (EM) Emergency battery
- QS or QRS option with compact fluo. lamps.

### Lamps & ballast compatibility

|      | Lamp Watts                 | Lamp base | Ballast Volts |                            | Lamp watts                     | Lamp base & Type    | ANSI Code |
|------|----------------------------|-----------|---------------|----------------------------|--------------------------------|---------------------|-----------|
|      | <b>Compact Fluorescent</b> | 26W       | G24Xq3        |                            | 120/277                        | <b>Metal Halide</b> | 39W       |
| 32W  |                            | G24Xq3    | 120/277       | 39W                        | PAR20 Open rated (Med.base)    |                     | M130      |
| 42W  |                            | G24Xq4    | 120/277       | 50W                        | ED17 Open rated (Med.base)     |                     | M110/M148 |
| 57W  |                            | G24Xq5    | 120/277       | 70W                        | PAR30L Open rated (Med.base)   |                     | M198/M143 |
| 70W  |                            | G24Xq6    | 120/277       | 70W                        | ED17 Open rated (Med.base)     |                     | M198/M143 |
| 85W  |                            | 2G8-1     | 120           | 70W                        | T6 Enclosed rated (G12 base)   |                     | M139      |
| 120W |                            | 2G8-1     | 120           | 100W                       | ED17 Open rated (Med.base)     |                     | M90/M140  |
|      |                            |           |               | 150W                       | ED17 Open rated (Med.base)     |                     | M102/M142 |
|      |                            |           |               | 175W                       | ED17 Enclosed rated (Med.base) |                     | M57       |
|      |                            |           |               | 250W                       | ED28 Open rated (Mog.base)     |                     | M58       |
|      |                            |           | 400W          | ED37 Open rated (Mog.base) | M59                            |                     |           |

Note:  
 Enclosed rated lamps require a lens protection with the luminaire.  
 Enclosed rated lamps will not fit with open rated sockets.

Requires lens enclosure option

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