**PRDDH22LEDGV**

**APPLICATION**
Lumen Series Performance Pendant for low, mid-bay and hi-bay applications.

**FEATURES**
Domed Fixture Housing (DDH) features a contemporary design that is easy to maintain. Single-stage optical system for smooth light distribution. 27K, 30K, 35K, 40K and 50K available. 85 CRI minimum. Consult factory for high CRI or special applications. LED module and driver designed for ease of maintenance and replacement. Post-lock refractor retention ring will absorb shocks and impact. Optional safety cable. Variety of optical lenses and mounting methods.

**FINISH**
Multi-stage polyester powder-coat process applied on our dedicated paint lines. A wide variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

**ELECTRONICS**
GV LED system features high brightness white Samsung LED’s. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available, consult factory.

**CONSTRUCTION**
Extruded and machined 6063-H32 aluminum heat sink. Housing constructed of extruded and machined aluminum to resist corrosion. Refractor made of cast UV stabilized acrylic.

**CODE COMPLIANCE**
ARRA Compliant. ETL listed for damp locations. Manufactured and tested to UL standards No. 1598/8750.

**WATTAGE / LUMENS DATA**

```markdown
<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PREVIOUS PART NUMBER EXAMPLE</th>
<th>SOURCE LUMENS</th>
<th>DELIVERED LUMENS</th>
<th>SYSTEM WATTS</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRDDH22LEDGV110L</td>
<td>PRDDH22LEDGV112W</td>
<td>11000</td>
<td>8867</td>
<td>77</td>
<td>114.37</td>
</tr>
<tr>
<td>PRDDH22LEDGV150L</td>
<td>PRDDH22LEDGV133W</td>
<td>15000</td>
<td>11741</td>
<td>102</td>
<td>115.10</td>
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<tr>
<td>PRDDH22LEDGV180L</td>
<td>PRDDH22LEDGV144W</td>
<td>18000</td>
<td>14102</td>
<td>116</td>
<td>121.57</td>
</tr>
</tbody>
</table>
```

**EXAMPLE:** PRDDH22LEDGV110L27KEX/HM36/PR22/BC22CN/PT

**NOTES:**
1. Nominal Source Lumen of 4000K
2. Nominal Delivered Lumen of 3000K with PR22, No Lens
3. See Product Options Page for Details
4. See Product Options Page for Details
5. See Mounting Page for Details on Components and Finishes
6. Specify Length in Inches; See Mounting Page for Available Lengths
7. Specify Plug Style
8. Same Finish as Housing
9. Contact Factory for Special Finishes
10. Standard Finishes

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.
LUMEN MAX MOUNTING OPTIONS

MOUNTING TYPES

HM*  
HANG STRAIGHT  
45° SWIVEL: 1/2" STEM - 1/8" NPI  

HMAT*  
HANG STRAIGHT ALL THREAD  
45° SWIVEL: 1/2" STEM - 1/4" NPI  

PM*  
RIGID PENDANT MOUNT  
(ROD: 1/2" STEM - 1/8" NPI)  

CD  
CORD / CABLE MOUNT  
SJ CORD WITH 1/16 SS CABLE  

HCP  
HOOK CORD & PLUG  
FOR INDEPENDENT MOUNTING  

ORDER: HM  
LENGTH:  
SPECIFY LENGTH:  
HM3 - 3"  
HM6 - 6"  
HM12 - 12"  
HM18 - 18"  
HMLC(XX)  
Custom Length  
(Specify in Inches)  

ORDER: HMAT  
LENGTH:  
SPECIFY LENGTH:  
HMAT12 - 12"  
HMAT24 - 24"  
HMA8 - 8"  
HMA12 - 12"  
HMA18 - 18"  
HMA36 - 36"  
HMA48 - 48"  
HMA72 - 72"  
HMATIC(XX)  
Custom Length  
(Specify in Inches)  

ORDER: PM  
LENGTH:  
SPECIFY LENGTH:  
PM3 - 3"  
PM6 - 6"  
PM12 - 12"  
PM18 - 18"  
PM24 - 24"  
PM36 - 36"  
PM48 - 48"  
PM72 - 72"  
PMMLC(XX)  
Custom Length  
(Specify in Inches)  

ORDER: CD  
LENGTH:  
SPECIFY LENGTH:  
CD36 - 36"  
CD72 - 72"  
CD144 - 144"  
CDMLC(XX)  
Custom Length  
(Specify in Inches)  

ORDER: HCP  
LENGTH:  
SPECIFY PLUG:  
120v  
L120  
277V  
L27  

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.

NOTE: THIS IS TYPICAL OF LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

MOUNTING TYPES

EMCP7W - LARGE DRIVER CANOPY FOR 7W EMERGENCY BATTERY  
FOR ALL CEILING MOUNT TYPES

EMLN7W - 7W IN-LINE EMERGENCY BALLAST  
FOR HM, HMA, AND PM OPTIONS

EMEN7W - REMOTE EMERGENCY BATTERY WITH ENCLOSURE  
UP TO 12W, 50’ MAX

EMEN7W - REMOTE EMERGENCY BATTERY WITH ENCLOSURE  
UP TO 12W, 50’ MAX

REMOTE EMERGENCY BATTERY OPTIONS

ADDITIONS

FS - FUSING  
Slow blow type fuse protects fixture against voltage surges. Factory installed.

LSP10 - SM - SURGE PROTECTOR  
Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277V. In-set affer surges. Factory installed.

SAFETY CABLE OPTIONS

SC1 - SAFETY CABLE  
1/16" Stainless steel safety cable for added support. Standard kit is 18’ and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.

SC2 - SAFETY CABLE  
1/16" Stainless steel cable holds door to fixture

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.
### DIMMING OPTIONS

**SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.**

<table>
<thead>
<tr>
<th>DIMMING TYPE</th>
<th>SYSTEM</th>
<th>DIMS TO</th>
<th>WIRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS2W1 120v Phase Cut Dimming</td>
<td>ELV or MLV</td>
<td>1%</td>
<td>See Figure 1.</td>
</tr>
<tr>
<td>DEO11/2 120v/277v 0-10v Low Voltage Dimming</td>
<td>0-10v</td>
<td>.01%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>DO101/2 120v/277v 0-10v Low Voltage Dimming</td>
<td>0-10v</td>
<td>1%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>DS101/2 120v/277v 0-10v Low Voltage Dimming</td>
<td>0-10v</td>
<td>10%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>DLTE1 120v Lutron® 2-Wire Phase Cut Dimming</td>
<td>Lutron® Phase Cut</td>
<td>1%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>DL33X 120v/277v Lutron® 3-Wire Dimming</td>
<td>Lutron® 3-Wire</td>
<td>1%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>DL3EX 120v/277v Lutron® Ecosystem® Dimming</td>
<td>Lutron® Ecosystem®</td>
<td>1%</td>
<td>See Figure 2.</td>
</tr>
<tr>
<td>LDE1 120v/277v Lutron® Ecosystem® Dimming, Fades to Black</td>
<td>Lutron® Ecosystem®</td>
<td>1%</td>
<td>See Figure 3.</td>
</tr>
<tr>
<td>LDE5 120v/277v Lutron® Ecosystem® Dimming, Fades to Black</td>
<td>Lutron® Ecosystem®</td>
<td>5%</td>
<td>See Figure 4.</td>
</tr>
<tr>
<td>DALI 120v/277v DALI Digital Addressable Lighting Interface</td>
<td>DALI</td>
<td>10%</td>
<td>See Figure 5.</td>
</tr>
<tr>
<td>DMX 120v/277v DMX Addressable Lighting Interface</td>
<td>DMX</td>
<td>10%</td>
<td>See Figure 6.</td>
</tr>
</tbody>
</table>

**Figure 1. 2 Wire Phase Dimming**

**Figure 2. 0-10v Dimming**

**Figure 3. Lutron® Hi Lume**

**Figure 4. Lutron® EcoSystem®**

**Figure 5. DALI**

**Figure 5. DMX**

Dimming systems not available on all fixtures. Consult individual specification sheets for availability.

### OTHER CONTROLS

<table>
<thead>
<tr>
<th>OTHER CONTROLS</th>
<th>FOR USE WITH</th>
</tr>
</thead>
<tbody>
<tr>
<td>WZIG Wireless control module to communicate with ZigBee wireless controls.</td>
<td>DS101/2</td>
</tr>
<tr>
<td>BLU Wireless control module Bluetooth low energy.</td>
<td>DS101/2</td>
</tr>
<tr>
<td>MOT Integral motion sensor. Includes dwell time, sensitivity and high/low light level settings.</td>
<td>DS101/2</td>
</tr>
<tr>
<td>PHO Integral photo sensor. Includes dwell time, sensitivity and high/low light level settings.</td>
<td>DS101/2</td>
</tr>
</tbody>
</table>

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REFRACTOR, GUARD AND LENS OPTIONS

REFRACTOR OPTIONS
- **DF** - Diffuse Prismatic Acrylic Refractor
- **PR** - Clear Prismatic Acrylic Refractor
- **OP** - Opal White Acrylic Refractor
- **AL** - Aluminum Refractor

POLY: Polycarbonate Refractor Option Available. Specify As: **PR (12", 16", 22") POLY**

COLOR: Color Refractor Options Available. Specify As: **PR (12", 16", 22") (COLOR)**

GUARD / SHIELD OPTIONS
We offer traditional Flat Wire Guards (WAG), Half-Fixture Wire Guards (HWG) and Reflector Shields (RS). LED Fixtures typically do not require wireguards.

FACE WIRE GUARDS (WAG 12", 16", 22")
Guard Covers opening of reflector. May be combined with flat lenses OA, FO, PC, PP. Chrome Plated #14 ga wire.

HALF WIRE GUARD (HWG12", 16", 22")
Covers and protects opening of reflector and exterior. Chrome plated #14 ga wire.

REFLECTOR SHIELD (RS 12", 16", 22")
Reflector Shield used on PR refractor minimizes side light output while allowing up light (30%). Finished to match fixture.

DIFFUSER OPTIONS
Spectrum offers several lens options for visual comfort, light distribution and interior protection.

2 lens retaining options: **BAND CLAMP** (BC12, BC16, BC22) and **DOOR** (DR12, DR16, DR22)

CNFR - CONICAL FROSTED LENS
(Distributes light horizontally with light etch to diffuse output.)

CN - CONICAL LENS
(Distributes light horizontally with clear spread pattern for maximum efficiency.)

DL - DROP LENS
(Drop Prismatic Lens for maximum brightness and widest distribution.)

FO - FLAT OPTICAL
(Matte White Optical Lens for LED. No LED image for maximum efficiency.)

PP - PRISMATIC POLYCARBONATE
(Classic Prismatic Poly Lens.)

PC - CLEAR POLYCARBONATE
(Primarily used as safety overlay for FO, PP, OA lens.)

OA - OPAL ACRYLIC
(Matte White Acrylic Lens.)

SC2 - SAFETY CABLE
(Optional 1/16" Stainless steel cable holds door to fixture.)
## Powder Coat Paint Finishes

**Lumen Max**

Spectrum Lighting Inc. is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.

### Commonly Produced Standard Finishes - Available for Quick Ship

<table>
<thead>
<tr>
<th>Color Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW matte white</td>
</tr>
<tr>
<td>MB matte black</td>
</tr>
<tr>
<td>PT platinum</td>
</tr>
</tbody>
</table>

### Other Available Standard Finishes

<table>
<thead>
<tr>
<th>Color Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>TW textured white</td>
</tr>
<tr>
<td>TB textured black</td>
</tr>
<tr>
<td>MT textured silver</td>
</tr>
<tr>
<td>BZ bronze</td>
</tr>
<tr>
<td>OB oil rubbed bronze</td>
</tr>
<tr>
<td>CH charcoal</td>
</tr>
<tr>
<td>GH graphite</td>
</tr>
<tr>
<td>AC anodic champagne</td>
</tr>
<tr>
<td>SN sun gold</td>
</tr>
<tr>
<td>BR rust</td>
</tr>
<tr>
<td>AN anodic natural</td>
</tr>
<tr>
<td>CO copper metallic</td>
</tr>
</tbody>
</table>

### Non-Standard Optional Finishes

<table>
<thead>
<tr>
<th>Color Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG evergreen</td>
</tr>
<tr>
<td>VE verde green</td>
</tr>
<tr>
<td>BL blue streak</td>
</tr>
<tr>
<td>RD red baron</td>
</tr>
<tr>
<td>OR orange</td>
</tr>
<tr>
<td>CM caramel</td>
</tr>
<tr>
<td>SI silver</td>
</tr>
<tr>
<td>AS anodic sapphire</td>
</tr>
<tr>
<td>AL almond</td>
</tr>
<tr>
<td>AY aero yellow</td>
</tr>
<tr>
<td>PL purple</td>
</tr>
<tr>
<td>PG pub green</td>
</tr>
<tr>
<td>PK pink</td>
</tr>
<tr>
<td>AZ anodic bronze</td>
</tr>
<tr>
<td>AK anodic black</td>
</tr>
<tr>
<td>AM anodic malachite</td>
</tr>
<tr>
<td>TQ turquoise</td>
</tr>
<tr>
<td>LG lime green</td>
</tr>
<tr>
<td>SF sea foam</td>
</tr>
</tbody>
</table>

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**Project:**

**Type:**

**Cat. No.:**