Remote Power Supplies for PSX Models

- PS24 Series Power Supply from Oldenburg Electronics
- Single power supply provides power to single or multiple fixtures
- 120V or 277V input, 24VDC output
- Class II output eliminates the need for conduit
- Uses plenum rated class II cable (available as an accessory from Visa Lighting)
- Integral terminal block for output connections
- Available with analog (0-10V) or digital dimming interface or DMX-512 interface for 3-channel color mixing
- UL 1598 Listed Fixture Fitting
- Suitable for recessed installation (non-IC)
- More information available at oldenburgelectronics.com

Cables

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>AY-CBL2C01</td>
<td>Cable, two-conductor 16AWG, plenum rated – use with static color LED</td>
<td>25FT, 50FT, 75FT</td>
</tr>
<tr>
<td>AY-CBL4C01</td>
<td>Cable, four-conductor 18AWG, plenum rated – use with RGB LED</td>
<td></td>
</tr>
</tbody>
</table>

LVPC-DIM Low Voltage Controller (3 Load with Dimming)

Oldenburg Electronics LVPC-DIM

The LVPC-DIM enables users to turn high-voltage lights on and off safely when used with a pillow speaker, bed communication side rail device, or momentary dry contact switch. The LVPC-DIM also enables users to operate other high-voltage circuits, such as electric doors or draperies.

When used to operate lights, the LVPC-DIM can control two loads independently with 0-10V dimming capability and:
- A third load that when on, activates all three loads at full output (3 loads on, none off)
- A third load that when on, activates the second load at full output (2 loads on, one off)
- A third load that when on, deactivates the other two loads (one on, two off)
- A third load completely independent of the other two loads

The LVPC-DIM may be mounted in a lighting fixture or other suitable fixture.

Dimming

The LVPC-DIM has the capability to provide a 0-10VDC Dimming Control Signal (current sourcing). This means that based on the requested dimming level settings, the LVPC-DIM will output a 0-10VDC signal capable of driving a luminaire dimming driver/ballast to a specific dim level. For example, if the user requests a 50% dim level, the LVPC-DIM will output a 5VDC (50% of 10VDC) level to the dimming inputs of the luminaire dimming driver/ballast. Dim levels vary significantly between dimming driver/ballast manufacturers, so the perceived dim level may vary between luminaires and is approximate. This is NOT a potentiometer style dimming controller, and as such, device compatibility should be verified prior to use.

More information available at oldenburgelectronics.com
Emergency Lighting

Emergency Backup Inverter Accessory

UL listed stand-alone simulated sine wave output inverter designed to provide power to designated emergency lighting fixtures. In a power loss situation, the EMV will supply 20 - 375 watts of power from the onboard battery supply depending on model below:

- **UL listed**
- **Input**: 120/277V
- **Output**: 120/277V, 20W, 125W or 375W for 90 minutes in emergency mode
- **PS-EMV** and **PS-EMVH** have a dimming circuit bypass relay to force dimmed fixtures to full output during power failure
- **Surface or cabinet mount**
- **Max distance is 3’ standard; up to 12.5’ possible (contact factory)**

**REM Maximum Distance Guide**

<table>
<thead>
<tr>
<th>Lamp Designation</th>
<th>Lamp Description</th>
<th>Emergency Battery Pack Remote Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5 Circle</td>
<td>2g X13</td>
<td>9’ standard; up to 10’ possible (contact factory)</td>
</tr>
<tr>
<td>T-8 (Med Bi-Pin)</td>
<td>Max distance is 3’ standard; up to 12.5’ possible (contact factory)</td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>Twin (2G x 7)</td>
<td>Max distance is 6’</td>
</tr>
<tr>
<td>QS</td>
<td>Quad (G24q-3, 2 &amp; G24q-3)</td>
<td>Max distance is 3’ standard; up to 12.5’ possible (contact factory)</td>
</tr>
<tr>
<td>TF</td>
<td>Triple (G24q-3, 5, 6)</td>
<td>Max distance is 3’ standard; up to 12.5’ possible (contact factory)</td>
</tr>
</tbody>
</table>

**REM and IEM Options — Integral and Remote Emergency Power**

To give you the most flexibility, Visa Lighting complements the XEM emergency option with a range of integral and remote emergency ballast options. We have incorporated integral emergency power (IEM) into all fixtures that can accommodate an emergency battery pack without compromising design aesthetics. The remote emergency power (REM) option provides an alternative for situations where XEM installation may be prohibitive. Remote distances are dependent on lamping type, as listed below:

**IEM Installation in Corona Low Profile Scoop**

All XEM boxes conform to NFPA Section A.8.2.3.2.4.2, with a wall opening of less than 16 square inches.

**IEM Option (fluorescent only) — Emergency Power At The Junction Box**

Emergency lighting is a vital part of any lighting design. Visa Lighting’s engineering team has developed XEM emergency power at the junction box to provide emergency lighting that easily integrates into small decorative products. With XEM, you can meet the safety requirements of your emergency lighting plan while using lighting fixtures that best complement the aesthetics of your architecture. The outcome is a safe and pleasing space.

**XEM** avoids the need for distracting surface mounted emergency packs and is easy to install and maintain than remote battery packs.

**XEM** brings emergency power directly to the junction box. Visa Lighting provides the XEM junction box (with standard knockouts) to replace a standard junction box for rough-in installation. The fixtures in the mounting bracket indicate correct placement for 1/2", 5/8" and 1" thick wallboard. The emergency battery pack attaches to a mounting bracket with two screws. The pack inserts through a hole in the bottom of the XEM junction box and the mounting bracket is secured with a single screw. The XEM junction box allows ample room for wiring. For linear fixtures, the XEM back box can be mounted vertically or horizontally. A one-piece indicator light/test switch is built into every fixture that features the XEM option.

**XEM boxes** replace the standard junction box or the 2nd junction box.

**REM Option** provides a one piece solution to emergency power at the junction box. A one-piece indicator light/test switch is built into every fixture that includes an XEM or IEM option.

**REM Maximum Distance Guide**

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<th>Emergency Battery Pack Remote Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Twin (2G11)</td>
<td>Max distance is 3’ standard; up to 12.5’ possible (contact factory)</td>
</tr>
<tr>
<td>F</td>
<td>Deluxe F</td>
<td>Max distance is 5’</td>
</tr>
<tr>
<td>FBO</td>
<td>T8 (Med Bi-Pin)</td>
<td>Max distance is 9’ standard; up to 10’ possible (contact factory)</td>
</tr>
<tr>
<td>FCS</td>
<td>15 Circle (2g X13)</td>
<td>Max distance is 3’ standard; up to 12.5’ possible (contact factory)</td>
</tr>
<tr>
<td>FS</td>
<td>15 &amp; T5HO (Mini Bi-Pin)</td>
<td>Max distance is 9’ standard; up to 12.5’ possible (contact factory)</td>
</tr>
<tr>
<td>FS</td>
<td>15 &amp; T5HO (Mini Bi-Pin) (347V)</td>
<td>Max distance is 10’5’</td>
</tr>
<tr>
<td>LF</td>
<td>Twin (2G x 7)</td>
<td>Max distance is 6’</td>
</tr>
<tr>
<td>GF</td>
<td>Quad (G24q-3, 2 &amp; G24q-3)</td>
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**XEM Option** (fluorescent only) — Emergency Power At The Junction Box

All XEM boxes conform to NFPA Section A.8.2.3.2.4.2, with a wall opening of less than 16 square inches.

**IEM and REM Options — Integral and Remote Emergency Power**

To give you the most flexibility, Visa Lighting complements the XEM emergency option with a range of integral and remote emergency ballast options. We have incorporated integral emergency power (IEM) into all fixtures that can accommodate an emergency battery pack without compromising design aesthetics. The remote emergency power (REM) option provides an alternative for situations where XEM installation may be prohibitive. Remote distances are dependent on lamping type, as listed below:

A one-piece indicator light/test switch is built into every fixture that includes an XEM or IEM option.

**Based on AC ballast manufacturers’ remote distance. This varies from product to product.**

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**Visit VisaLighting.com for additional Emergency Lighting information**
Vision to Visa

Free yourself to create a unique design for your clients with Vision to Visa. Logos, signage and patterns are easily integrated into Shuffle without a minimum quantity. Using our guidelines, your drawing goes directly to our manufacturing facility to be cut to your exact specifications. No submittals are required and your design is delivered to your client without extraordinary demands on your time or budget.

Guidelines for submitting Vision to Visa drawing

- Maximum Window Size
  - (Picture Frame and Vision to Visa)
    - Inside Dimensions
      - W 3.75
      - H 14' or 28'
    - Outside Dimensions
      - W 5
      - H 12.25' or 26.25'

- Drawing Formats
  - AutoCAD
  - DXF
  - Solidworks
  - Illustrator

- Number of Voids
  - No floating pieces — metal must be contiguous
  - Minimum 3/32” (.094”) metal webs

- Drawing Formats
  - No “Spline” line types — convert these to multiple arc segments

- Maximum Window Size
  - Perimeter = 39”
  - Internal Cut Length = 108”

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  - Minimum 3/32” (.094”) metal webs

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