LED Vivid Wash III
(High Power LED)
(Direct DMX Control)
LW-330X150-LN-PC

LED Vivid Wash III is an energy saving, RGB LED based, wash fixture, incorporating 36 RGB Power LEDs the LED Vivid Wash III produces full color 16.7M true 24 Bit color changing effects for architectural and decorative illumination.

LED Vivid Wash III can be operated standalone, master slave with built in pre-programmed effects or directly with and standard DMX-512 controller. The LED Vivid Wash III is engineered with push button waterproof external LED display based user interface for setting the mode of operation or DMX Address. The LED Vivid Wash III used only 3 Channels of DMX to enable external programming of linear color changing, step based scenes as desired by the lighting designer. You can also add a easy to use pre-programmed external controller if you are DMX challenged such as the SRC-AI-100. For more information on controller functionality refer to the control section of this catalog.

The LED Vivid Wash III housing is composed of Aluminum Die Cast fixture housing, heat treated glass aperture plate, rated at IP65. The unique mounting system enables easy adjustment of the projection angles from 360° H and 150° V enbling optimization of the effect.

This fixture must be installed by a qualified electrician. is not responsible if its fixture are not installed according to local safety standards. Please leave a copy of these instructions for the person responsible for the maintenance of the installation.
**Specifications**

- **LED Color Range**: RGB 16.7M Linear Color Control
- **Light Source**: 36pcs Power LED (R12, G12, B12)
- **Beam Angle**: 25°
- **Light projecting distance**: 20m
- **Digital Interface**: Standard DMX protocol compatible
- **Control system**: SRC-A1-100 Address writer/simple controller
- **DMX Channels**: 3 Channels
- **Fixture Housing**: Die Cast Powder Coated Aluminum
- **Fixture Color**: Black Standard
- **Connector**: Add a (A) to the end of the part number for White housing.
- **Connecting Mode**: Standard signal cord and power cord
- **Control and Installation Type dependent (See Page 231)**
- **Aperture Glass**: Tempered Glass
- **Mounting System**: Adjustable 360° H and 150° V

**Electrical Specifications**

- **Operating Voltage**: 90-264V AC/24V DC
- **Operating Current (Max)**: 0.2A
- **Power Consumption**: 48Watts
- **IP Rating**: IP65

**Environmental Specifications**

- **Operating Temperature**: -20°C-40°C (industrial grade components)
- **Dimensions**: L408xW71xH83 (mm)
- **Weight**: 1.25Kg

**DMX Function Chart**

<table>
<thead>
<tr>
<th>Mode</th>
<th>DMX Channels</th>
<th>Channel</th>
<th>Name</th>
<th>Value</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/Pel</td>
<td>3</td>
<td>1</td>
<td>Red</td>
<td>0-255</td>
<td>0.10% Intensity</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
<td>Green</td>
<td>0-255</td>
<td>0.10% Intensity</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>3</td>
<td>Blue</td>
<td>0-255</td>
<td>0.10% Intensity</td>
</tr>
</tbody>
</table>

Vivid Wash III is available in Black or White Finish Standard. Custom Finishes upon request (Volume Dependant)

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Luminous Flux

<table>
<thead>
<tr>
<th>Color</th>
<th>White</th>
<th>Red</th>
<th>Green</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Output (lumens)</td>
<td>233</td>
<td>100.8</td>
<td>134.2</td>
<td>15.2</td>
</tr>
<tr>
<td>Power (Watts)</td>
<td>34.8</td>
<td>27.4</td>
<td>12.5</td>
<td>8.3</td>
</tr>
<tr>
<td>Efficacy (lm/W)</td>
<td>6.7</td>
<td>3.7</td>
<td>1.07</td>
<td>1.8</td>
</tr>
</tbody>
</table>

Diverse Illumination Under Different Distances

<table>
<thead>
<tr>
<th>Color</th>
<th>White</th>
<th>Red</th>
<th>Green</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1m</td>
<td>688</td>
<td>282</td>
<td>334</td>
<td>37</td>
</tr>
<tr>
<td>2m</td>
<td>171</td>
<td>73.6</td>
<td>84.9</td>
<td>31.3</td>
</tr>
<tr>
<td>3m</td>
<td>76.4</td>
<td>31.9</td>
<td>38.6</td>
<td>13.4</td>
</tr>
<tr>
<td>4m</td>
<td>43.7</td>
<td>16.2</td>
<td>21.8</td>
<td>7.4</td>
</tr>
<tr>
<td>5m</td>
<td>28.2</td>
<td>12.3</td>
<td>15.4</td>
<td>3.1</td>
</tr>
</tbody>
</table>

Lumiance Distribution

<table>
<thead>
<tr>
<th>Unit: Lux</th>
<th>Distance: 1m</th>
</tr>
</thead>
<tbody>
<tr>
<td>1m</td>
<td>2.8 5.9 8.2 8.0 6.1 3.1</td>
</tr>
<tr>
<td>6m</td>
<td>6.0 19.1 15.8 41.9 14.7 5.2</td>
</tr>
<tr>
<td>10.1 m</td>
<td>10.1 53.1 285 235 38.9 8.3</td>
</tr>
<tr>
<td>6m</td>
<td>6.0 19.1 15.8 41.9 14.7 5.2</td>
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</tbody>
</table>

Built in Pre-Programmed Effects

- Holder Color
- Selectable HOLDER color. (16.7M variables)
- Strobing
- Single color or transitional
- Cross Fade
- Cross fade between colors
- Chasing
- Color chasing
- Color Cycle
- Cycling

Base Installation Diagram

Connection Examples

DMX 512 or SRC-A1-100

Example 1

Up to 30 units can be connected in this configuration without the need for a signal amplifier. See Example 2 for larger applications and requirements.

Controllers

DMX-512
SRC-A1-100

* Controllers sold separately

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DMX 512 or SRC-AI-100
Example 2 (When more than 30 fixtures from one controller is required)

Add (1) Signal Amplifier SDL-109A-T1 between each group of 30 fixtures. See control section of this catalog for more information on the SDL-109A-T1 Signal Amplifier.
The maximum distance should not extend 150m between controller and the last lighting fixture.

DMX 512 or SRC-AI-100
Example 3 (When more than 30 fixtures from one controller is required and the distance of more than 150 Meters distance between the controller and last fixture is required)

Add (1) Signal Amplifier SRC-143 for every 4 groups of 30 fixtures (120 Total per SRC-143)
Connect the output of the first SRC-143 to the input of the next SRC-143 to add additional groups.
See page of this catalog for more information on the SRC-143 Signal Amplifier.

Available Interconnection Cables
DMX-512 Controllers direct to fixture types
XLR-Male to Mini Female XLR
Part#: XLRM-M-XLRF
XLR-Female to Mini Male XLR
Part#: XLRF-M-XLRM

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