ColourLine™ Cove (CLCV) & Graze (CLGR) - INSTALLATION and OPERATION INSTRUCTIONS

CAUTION: BEFORE CONNECTING THE FIXTURE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.

Fixtures include: ColourLine Cove (CLCV) & ColourLine Graze (CLGR)

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

INSTALLATION:
1) Verify Physical Layout Plan
   a) Ensure all hardware is present.
   b) Ensure all electrical feeds are correctly positioned with all hardware and any other active components.
   c) Confirm DMX Addressing Plan
      i. SSL recommends pre-addressing fixtures before mounting installation.
      ii. Ensure that addressing is documented for future upgrading, configuring or troubleshooting.
      iii. Create an addressing table to document all fixture IDs and their physical location.

HARDWARE: May include RDM Controller, Exterior Rated Data Line, AC Power Feed, PDX/S box, PDX box, Starter Cords, Terminator Caps, Extension Cables and fixtures.

NOTE: Use Extension Cable when necessary, for corners and extending fixture runs.

IMPORTANT: Max Run Length: see Chart A

REQUIRED: Starter Cable (SC10CL or SC50CL) and Terminator Cap (TCP/DCL) are required for every run.

DETAILED ILLUSTRATION

CLCV / CLGR RGBW - Single Segment Configuration

The bottom of each fixture has a unique factory ID number and barcode.

HARDWARE: May include RDM Controller, Exterior Rated Data Line, AC Power Feed, PDX/S box, PDX box, Starter Cords, Terminator Caps, Extension Cables and fixtures.

NOTE: Use Extension Cable when necessary, for corners and extending fixture runs.

IMPORTANT: Max Run Length: see Chart A

REQUIRED: Starter Cable (SC10CL or SC50CL) and Terminator Cap (TCP/DCL) are required for every run.

Chart A

<table>
<thead>
<tr>
<th>Max run length</th>
<th>120V</th>
<th>240V</th>
<th>277V</th>
<th>Extension Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>14W</td>
<td>48&quot;</td>
<td>94&quot;</td>
<td>108&quot;</td>
<td>Up to 20' (optional)</td>
</tr>
<tr>
<td>9W</td>
<td>72&quot;</td>
<td>146&quot;</td>
<td>169&quot;</td>
<td>Up to 20' (optional)</td>
</tr>
<tr>
<td>5W</td>
<td>132&quot;</td>
<td>264&quot;</td>
<td>305&quot;</td>
<td>Up to 20' (optional)</td>
</tr>
</tbody>
</table>
**ColourLine™ Cove (CLCV) & Graze (CLGR) - INSTALLATION and OPERATION INSTRUCTIONS**

**CAUTION:** BEFORE CONNECTING THE FIXTURE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.

**Fixtures include:** ColourLine Cove (CLCV) & ColourLine Graze (CLGR)

**GENERAL:**
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

**INSTALLATION:**
1) Verify Physical Layout Plan
   a) Ensure all hardware is present.
   b) Ensure all electrical feeds are correctly positioned with all hardware and any other active components.
   c) Confirm DMX Addressing Plan
      i. SSL recommends pre-addressing fixtures before mounting installation.
      ii. Ensure that addressing is documented for future upgrading, configuring or troubleshooting.
      iii. Create an addressing table to document all fixture IDs and their physical location.

**HARDWARE:** May include RDM Controller, Exterior Rated Data Line, AC Power Feed, PDX/S box, PDX box, Starter Cords, Terminator Caps, Extension Cables and fixtures.

**NOTE:** Use Extension Cable when necessary, for corners and extending fixture runs.

**IMPORTANT:** Max Run Length: see Chart A

**REQUIRED:** Starter Cable (SC10CL or SC50CL) and Terminator Cap (TCAPDCL) are required for every run.

---

**CLCV & CLGR RGBW - Multiple Segment Configuration**

**Chart A**

<table>
<thead>
<tr>
<th>Max run length</th>
<th>120V</th>
<th>240V</th>
<th>277V</th>
<th>Extension Cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>14W</td>
<td>48'</td>
<td>94'</td>
<td>108'</td>
<td>Up to 20' (optional)</td>
</tr>
<tr>
<td>9W</td>
<td>72'</td>
<td>146'</td>
<td>169'</td>
<td>Up to 20' (optional)</td>
</tr>
<tr>
<td>5W</td>
<td>132'</td>
<td>264'</td>
<td>305'</td>
<td>Up to 20' (optional)</td>
</tr>
</tbody>
</table>

**End Runs with Terminator Cap**

**Starter Cables (Male End)** SCM10CL or SCM25CL (10' or 25')

**Important:** Align first fixture to accept the Male End of Starter Cord.

**End-to-End Connection (or)** Extension Cable (ECXCL) X = 12', 24', or 60'
Max Extension Cable Length: See Chart A above.
INSTALLATION:
1) Verify Physical Layout Plan
   a) Ensure all hardware is present.
   b) Ensure all electrical feeds are correctly positioned with all hardware and any other active components.
   c) Confirm DMX Addressing Plan
      i. SSL recommends pre-addressing fixtures before mounting installation.
      ii. Ensure that addressing is documented for future upgrading, configuring or troubleshooting.
      iii. Create an addressing table to document all fixture IDs and their physical location.

HARDWARE: May include RDM Controller, Exterior Rated Data Line, AC Power Feed, PDX/S box, PDX box, Starter Cords, Terminator Caps, Extension Cords and fixtures.

NOTE: Use Extension Cable when necessary, for corners and extending fixture runs.

IMPORTANT: Max Run Length: See Chart A

REQUIRED: Starter Cable (SC10CL or SC50CL) and Terminator Cap (TCAPDCL) are required for every run.

REQUIRED: Data Extension Cable (ED10CL 10ft or ED50CL 50ft) for extending each Max Run Length segment.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.
**ColourLine Cove (CLCV) & Graze (CLGR) - INSTALLATION and OPERATION INSTRUCTIONS**

**GENERAL:**
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

**INSTALLATION:**
2) Personality Configuration
   a) The CLCV & CLGR “Personality” is the resolution increments that can be configured via software.

**NOTE:** Personality configuration must be set before setting the DMX addresses.

**NOTE:** Each increment shows the number of DMX addresses that are used in each fixture for the corresponding personality.

**NOTE:** Personality 4 shows 6 DMX addresses (channels) representing R, G, B , W, Brightness and Tuneable White.

---

**CLCV & CLGR - RGBW Personality Options**

<table>
<thead>
<tr>
<th>Personality</th>
<th>4 foot fixture configured in 1 foot increments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personality 1</td>
<td>1,2,3,4, 5,6,7,8, 9,10,11,12, 13,14,15,16, 17,18,19,20, 21,22,23,24, 25,26,27,28, 29,30,31,32</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Personality 2</th>
<th>4 foot fixture configured in 2 foot increments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personality 2</td>
<td>1,2,3,4, 5,6,7,8, 9,10,11,12, 13,14,15,16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Personality 3</th>
<th>4 foot fixture configured in 4 foot increments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personality 3</td>
<td>1,2,3,4, 5,6,7,8, 9,10,11,12, 13,14,15,16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Personality 4</th>
<th>4 foot fixture configured in 4 foot increments to support Digital Dual Mode 6-Channel DMX - Channel 5-6 for Tuneable White CCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personality 4</td>
<td>1,2,3,4, 5,6, 1,2,3,4,5,6, 1,2,3,4,5,6, 1,2,3,4,5,6, 1,2,3,4,5,6, 1,2,3,4,5,6, 1,2,3,4,5,6, 1,2,3,4,5,6</td>
</tr>
</tbody>
</table>

---

**ColourMode**

SSL uses Digital Dual Mode (DDM) technology to provide RGBW and Tuneable White in one fixture! SSL firmware is designed to use 6 DMX channels in the DDM Personality Mode. Maximum Mood Enhancement is available to use for any type of environment. Channels 1-4 are reserved for RGBW. Channels 5-6 are used for Tuneable White. Channel 5 controls intensity while channel 6 controls White color temperature.

---

Each increment above shows 6 DMX addresses representing R, G, B, W, Brightness & Tuneable White CCT.
**ColourLine™ Cove (CLCV) & Graze (CLGR) - INSTALLATION and OPERATION INSTRUCTIONS**

**CAUTION:** BEFORE CONNECTING THE FIXTURE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.

**Fixtures include:** ColourLine Cove (CLCV) & ColourLine Graze (CLGR)

**DETAILED ILLUSTRATION**

**GENERAL:**
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.

2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.

3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

**INSTALLATION:**

3) PDX (Power/Data Box)
   a) Mount PDX (PDX is exterior-rated).

**NOTE:** Use appropriate fasteners for mounting to surface type.

---

**COLOR KEY**

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red (+ + Data [+] )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Orange (+ - Data [-] )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>White (- Neutral)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Green (- Ground)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Black (+ Positive)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**CLCV & CLGR uses the same configuration.**
**GENERAL:**
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

**INSTALLATION:**
3) **PDX (Power/Data Box)**
   a) Mount PDX (PDX is exterior-rated).
   b) **PDX Wiring Diagram**

**NOTE:** Use appropriate fasteners for mounting to surface type.

**COLOR KEY**
1. Red (<+ Data [+])
2. Orange (<- Data [-])
3. White (– Neutral)
4. Green (Ground)
5. Black (+Positive)

**CONNECTION DETAIL**
- Data (D+)
- Data (D-)
- Ground from Controller Data Line

**DETAILED ILLUSTRATION**
GENERAL:
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

INSTALLATION:
4) The Mounting Bracket can be fastened to the surface while holding the fixture, using the exposed screw holes on the Standard Adjustable Mounting Bracket. (Fig-1)
5) Correctly align the keyed 5-Pin Connector ends and push the two ends together. They should snap firmly together. (Fig-2)

NOTE: Reverse this sequence to disconnect the two ends.
6) When fastening the fixtures in place with the Adjustable Mounting Bracket, be sure to maintain alignment for straight runs to achieve an even linear lighting pattern. (Fig-3)

NOTE: The Adjustable Bracket and the optics used will allow for fine tuning the lighting application.
7) Turn on power to the RDM Controller first.

IMPORTANT: This will ensure proper function for capturing data addressing.
8) Now turn on power to fixtures.
   a) Run Solid Color Program to ensure data is working.

NOTE: Light fixtures will illuminate briefly then turn off. Then they’re ready for programming.