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

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www.solidstateluminaires.com
3609 Swenson Ave.
St. Charles, IL 60174

DETAILED ILLUSTRATION

PDX-RDS2

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.
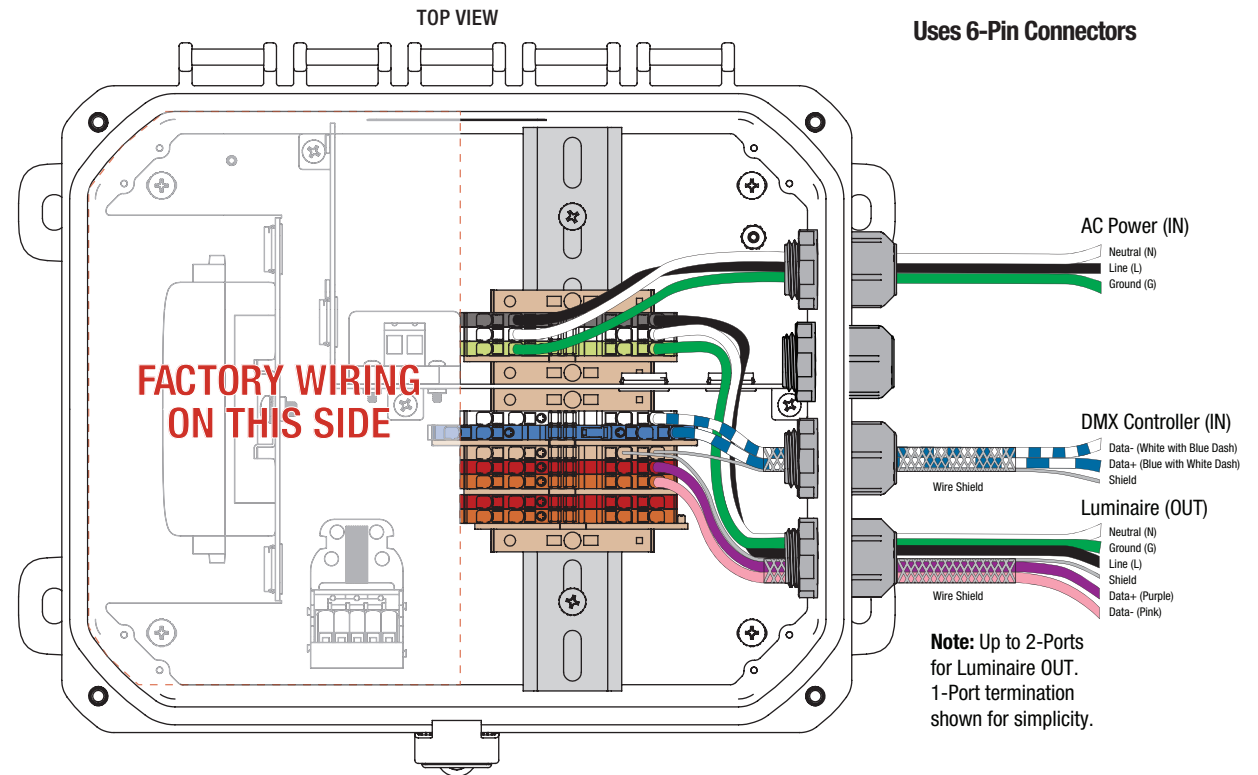
INSTALLATION:

1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box with 2-Port Splitter for ColourLine Lazer Series

Products Include:
ColourLine Lazer Wet (**CLZWET**)
ColourLine Lazer Flood (**CLZF**)
ColourLine Lazer Micro (**CLZMF**)
ColourLine Direct View Linear (**SSL-DV**)

Uses 6-Pin Connectors

TOP VIEW

FACTORY WIRING ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield
Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Purple)
Data- (Pink)
Wire Shield

Note: Up to 2-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

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

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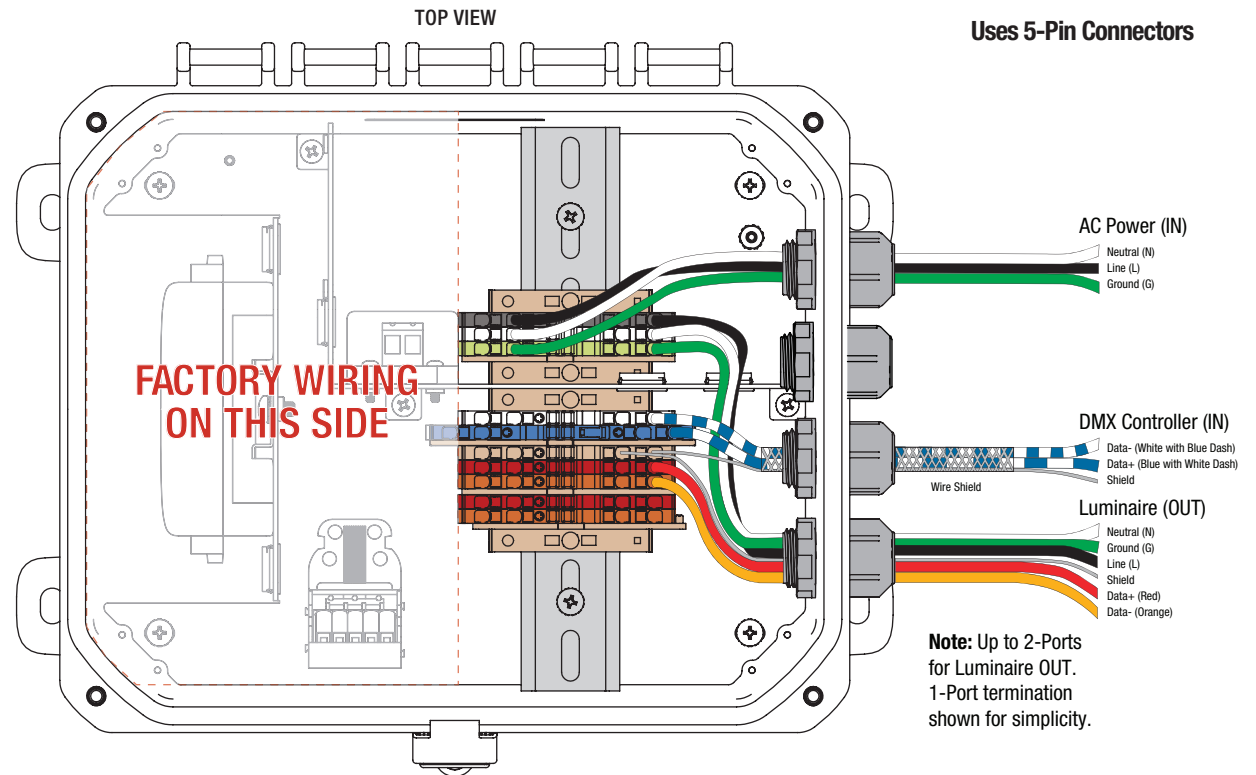
INSTALLATION:

1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box with 2-Port Splitter for ColourLine Series

Products Include:

ColourLine Cove (**CLCV**)
ColourLine Graze (**CLGR**)
ColourLine Wet (**CLWET**)
SSF2100 Series RGBW Floods

Uses 5-Pin Connectors

TOP VIEW

FACTORY WIRING ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield

Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Red)
Data- (Orange)

Note: Up to 2-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

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

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DETAILED ILLUSTRATION

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PDX-RDS2

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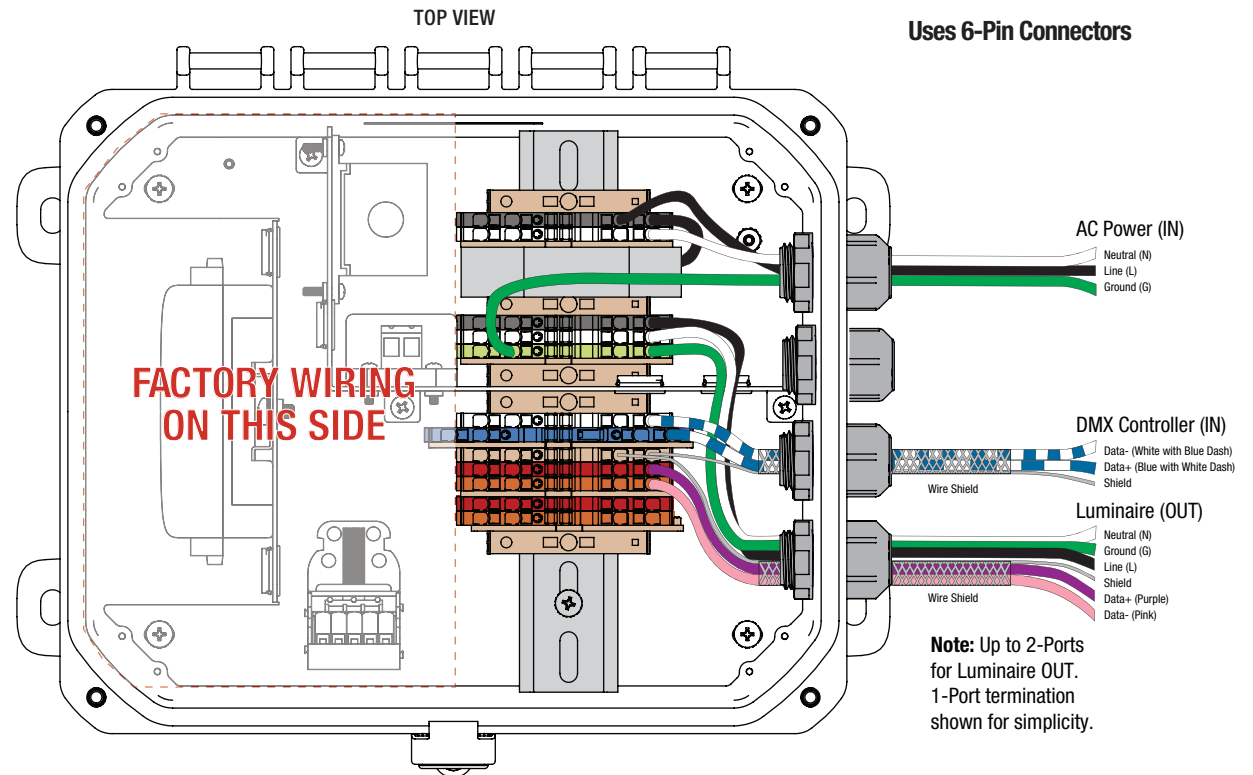
INSTALLATION:

1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box 2-Port Splitter with AC Surge Protector for ColourLine Lazer Series

Products Include:
ColourLine Lazer Wet (**CLZWET**)
ColourLine Lazer Flood (**CLZF**)
ColourLine Lazer Micro (**CLZMF**)
ColourLine Direct View Linear (**SSL-DV**)

Uses 6-Pin Connectors

TOP VIEW

FACTORY WIRING
ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield
Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Purple)
Data- (Pink)
Wire Shield

Note: Up to 2-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

PDX-RDS2, PDX-RDS4ii

TG-TD-092324

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

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St. Charles, IL 60174

DETAILED ILLUSTRATION

PDX-RDS2

GENERAL:

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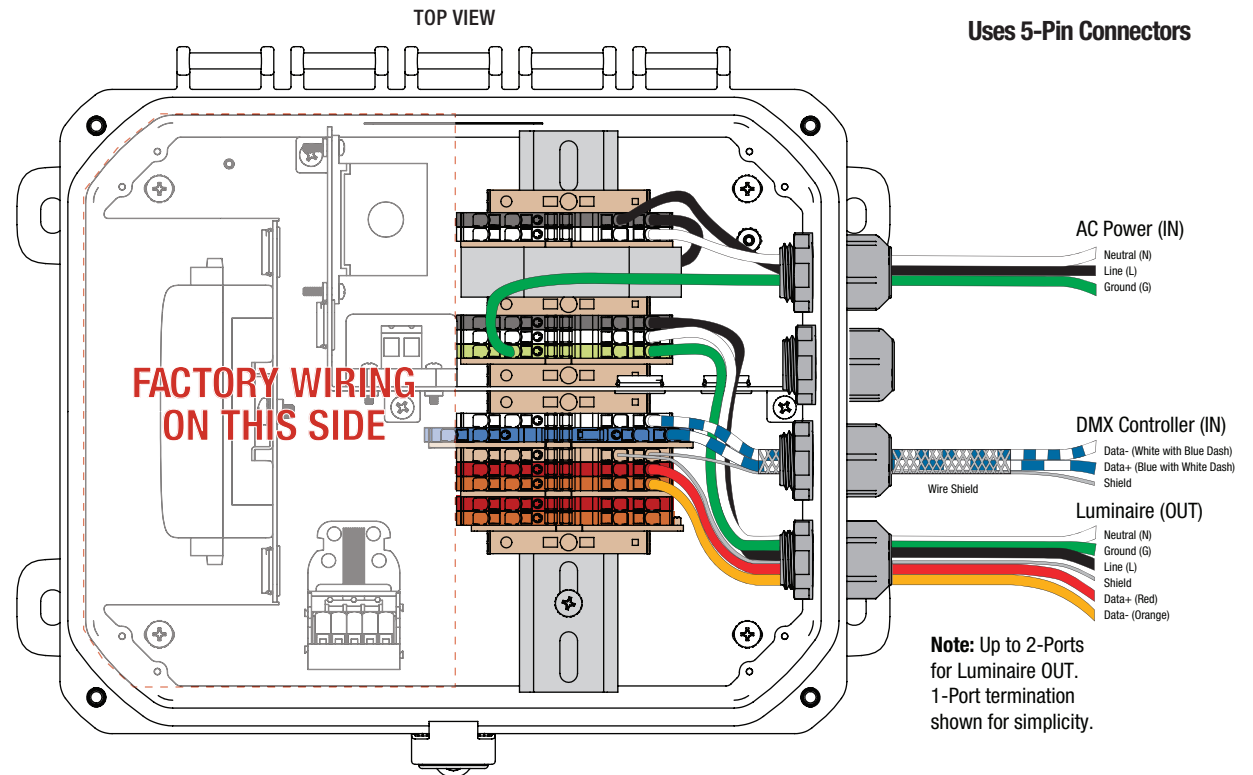
INSTALLATION:

1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box 2-Port Splitter with AC Surge Protector for ColourLine Series

Products Include:

ColourLine Cove (**CLCV**)
ColourLine Graze (**CLGR**)
ColourLine Wet (**CLWET**)
SSF2100 Series RGBW Floods

Uses 5-Pin Connectors

TOP VIEW

FACTORY WIRING ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield
Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Red)
Data- (Orange)

Note: Up to 2-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

PDX-RDS2, PDX-RDS4ii

TG-TD-092324

PDX-RDS2, PDX-RDS4 Power Data Wiring Box— INSTALLATION INSTRUCTIONS

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

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DETAILED ILLUSTRATION

PDX-RDS4 (with S4 options)

GENERAL:

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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.
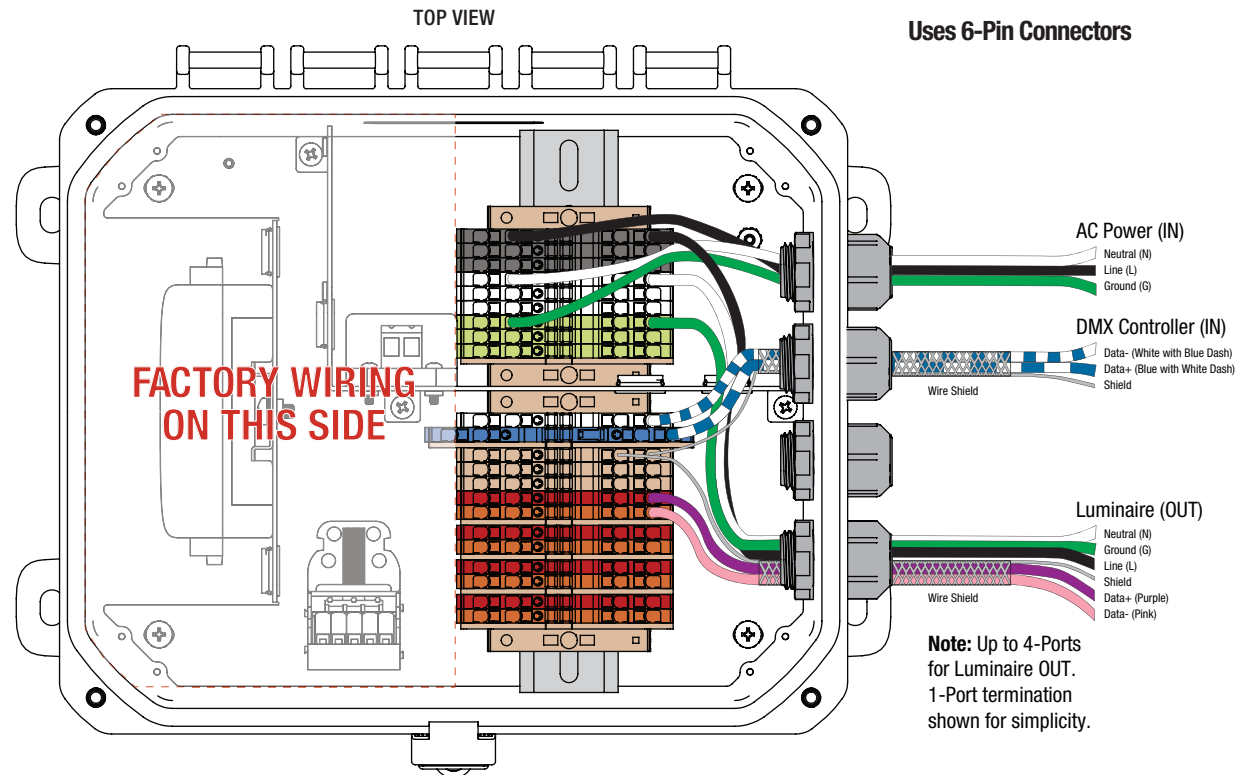
INSTALLATION:

1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box 4-Port Splitter for ColourLine Lazer Series

Products Include:
ColourLine Lazer Wet (**CLZWET**)
ColourLine Lazer Flood (**CLZF**)
ColourLine Lazer Micro (**CLZMF**)
ColourLine Direct View Linear (**SSL-DV**)

Uses 6-Pin Connectors

TOP VIEW

FACTORY WIRING
ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield
Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Purple)
Data- (Pink)
Wire Shield

Note: Up to 4-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

PDX-RDS2, PDX-RDS4ii

TG-TD-092324

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

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DETAILED ILLUSTRATION

PDX-RDS4 (with S4 options)

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

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NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.
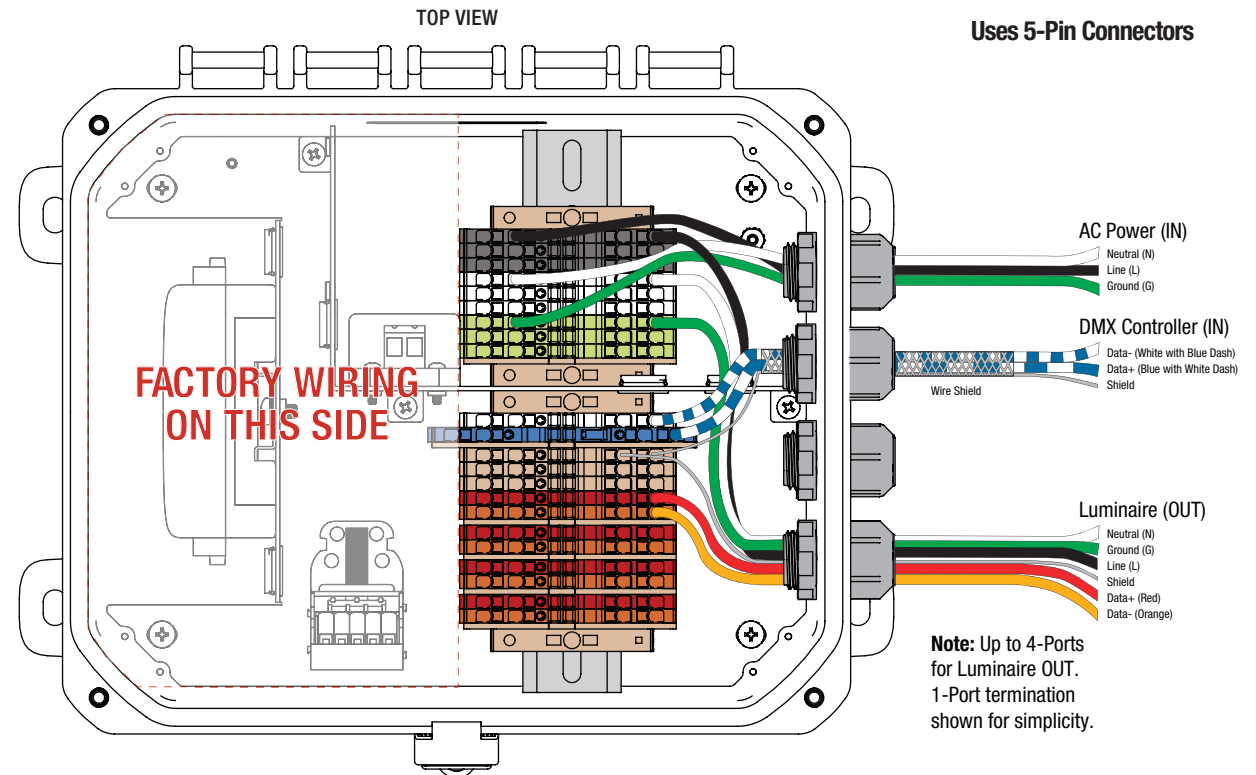
INSTALLATION:
1. Follow wiring diagram to complete proper wiring.

Power Data Wiring Box 4-Port Splitter for ColourLine Series

Products Include:

ColourLine Cove (**CLCV**)
ColourLine Graze (**CLGR**)
ColourLine Wet (**CLWET**)
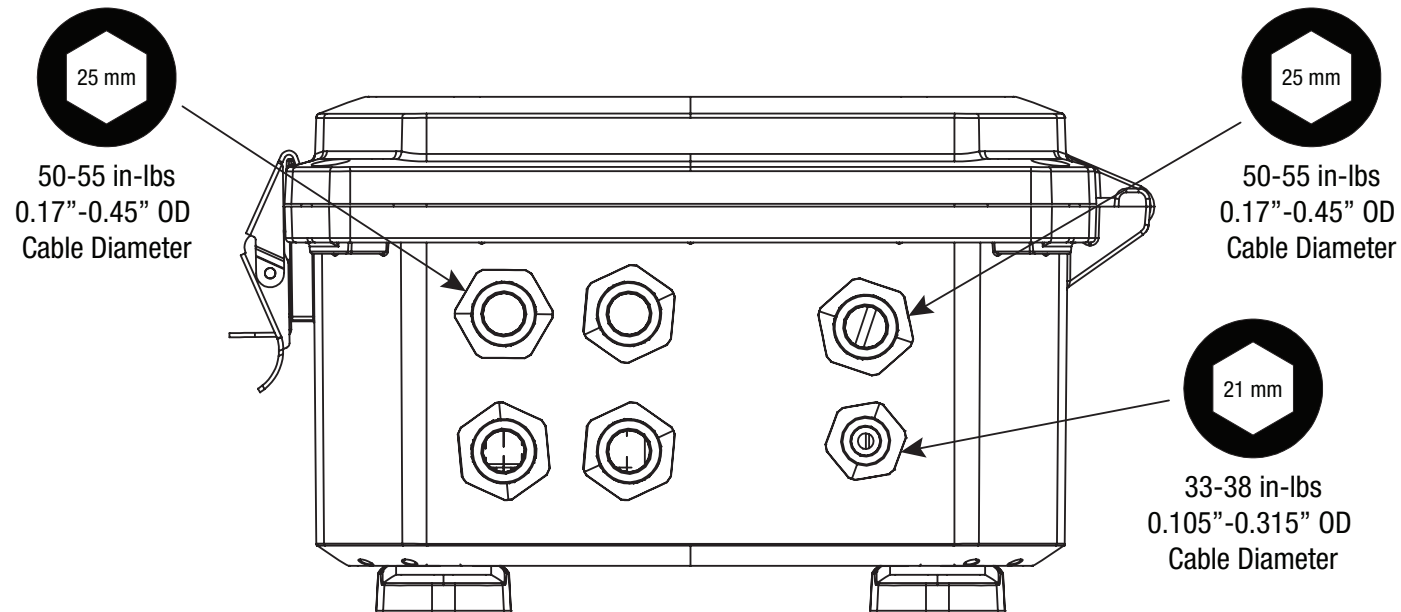**SSF2100** Series RGBW Floods

Uses 5-Pin Connectors

TOP VIEW

FACTORY WIRING
ON THIS SIDE

AC Power (IN)
Neutral (N)
Line (L)
Ground (G)

DMX Controller (IN)
Data- (White with Blue Dash)
Data+ (Blue with White Dash)
Shield
Wire Shield

Luminaire (OUT)
Neutral (N)
Ground (G)
Line (L)
Shield
Data+ (Red)
Data- (Orange)

Note: Up to 4-Ports for Luminaire OUT. 1-Port termination shown for simplicity.

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

DETAILED ILLUSTRATION

Strain-Relief Torque Specifications

25 mm
50-55 in-lbs
0.17"-0.45" OD
Cable Diameter

25 mm
50-55 in-lbs
0.17"-0.45" OD
Cable Diameter

21 mm
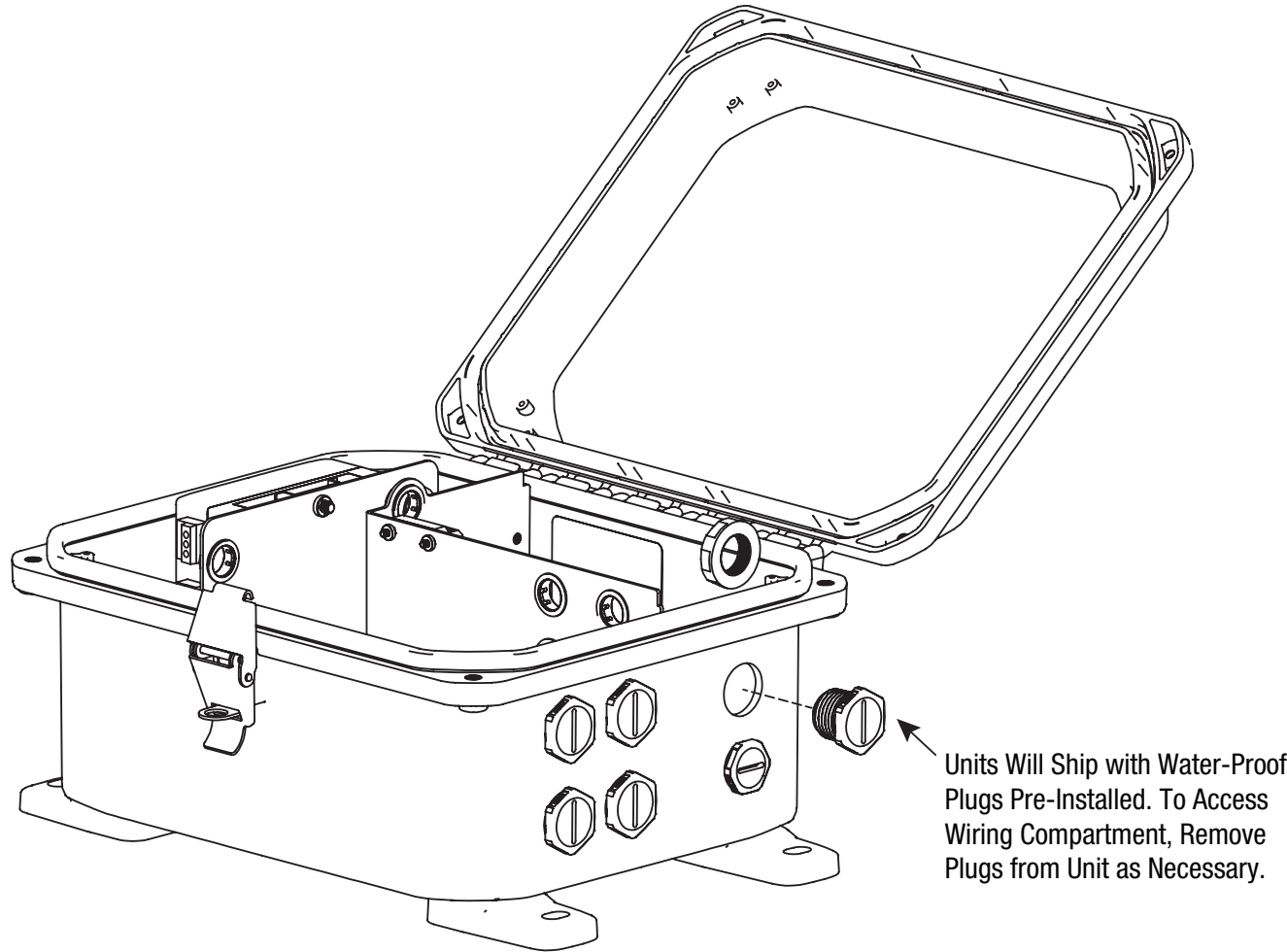33-38 in-lbs
0.105"-0.315" OD
Cable Diameter

NOTE: Failure to properly torque watertight strain-reliefs can result in water ingress. Do not install in locations prone to flooding. For ease of maintenance, mount in locations easily accessible

PDX-RDS2, PDX-RDS4ii

TG-TD-092324

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DETAILED ILLUSTRATION

Units Will Ship with Water-Proof Plugs Pre-Installed. To Access Wiring Compartment, Remove Plugs from Unit as Necessary.

WATERTIGHT CORD GRIP

Lock Nut

Sealing Nut

PDX Boxes Will Come with Several Watertight Cord Grips Included. Failure to Properly Install Cord Grips Can Result in Voided Warranty.

PDX Box	Number of Watertight Cord Grips Included
PDX-RDS2	5
PDX-RDS2-ACP	5
PDX-RDS4	6

Cord Grip Component	Torque
Lock Nut	45 in-lbs
Sealing Nut	55 in-lbs

PDX-RDS2, PDX-RDS4ii

TG-TD-092324