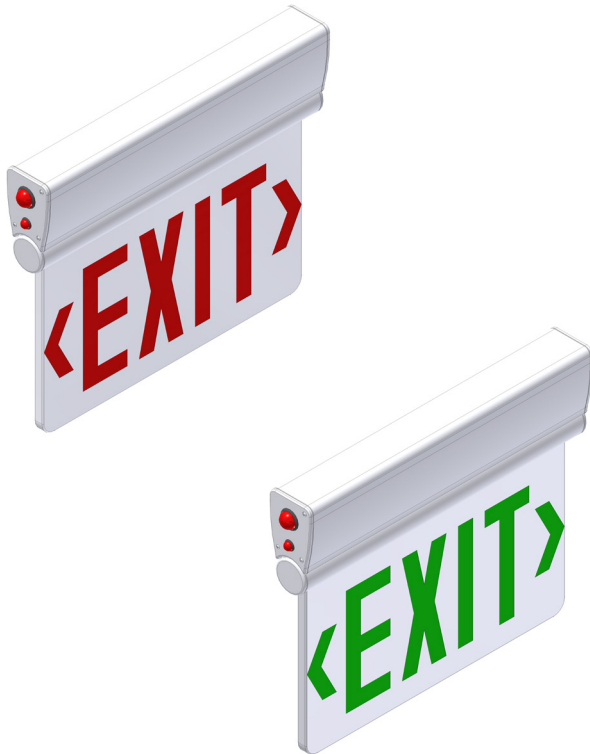


Exit Light

Datasheet



Description

The exit light is a durable, versatile system with a die-cast aluminum housing and double-sided acrylic panel for clear visibility. It offers flexible mounting options, including wall, ceiling, and recessed installations. Powered via the MechoNet UPoE+ SPICEbox, it consumes less than 5W and supports dual voltage (120/277 VAC). Equipped with a 4.8V NiCad battery, it provides 90 minutes of emergency lighting during power failure and features a fast-charging system. Safety is enhanced by self-testing, multi-color LED status indicators, and protection against brownouts, overloads, and short circuits.

Stock#	Description
EXIT-GREN-1S-TP	Exit Light One Sided Green
EXIT-GREN-2S-TP	Exit Light Two Sided Green
EXIT-RED1-1S-TP	Exit Light One Sided Red
EXIT-RED1-2S-TP	Exit Light Two Sided Red

Features

1. Construction & Design:

- **Housing:** Made from durable die-cast aluminum.
- **Panel:** Clear acrylic, double-sided with a mirrored configuration for optimal visibility.
- **Mounting Options:** Suitable for wall, sloped, and high ceilings; includes recessed mounting for drop ceilings or new construction. Comes with directional arrow indicators.

2. Power & Energy Efficiency:

- **Power Source:** Powered via the MechoNet UPoE+ SPICEbox through a NuLINK bus.
- **Low Energy Consumption:** Less than 3W for AC-only models and less than 5W for battery backup models.
- **Dual Voltage Input:** Operates at 120/277 VAC with an LED display indicating AC/ON status.

3. Battery Backup & Protection:

- **Battery:** 4.8V maintenance-free NiCad battery with low-voltage cut-off protection.
- **Emergency Operation:** Provides 90 minutes of uninterrupted operation during power failure.
- **Charging System:** Solid-state, two-rate charger to fully recharge in 24 hours.

4. Safety Features:

- **Self-Test & Monitoring:** Continuous self-checks with multi-color LED indicators to signal status.
- **Protection Mechanisms:** Includes brownout, overload, and short-circuit protection.
- **Test Switch:** External push button for manual testing and status checks.

5. Environmental Tolerance:

Battery operating range from 32°F to 104°F (0°C to 40°C).

Exit Light

Datasheet Specifications

Equipment Kit	
Exit Light, Canopy, Hardware Bag, NiCad Battery (Must be connected after installation), Installation Guide	
Hardware	
Input Voltage	5V DC
Wiring	CAT5e or CAT6 Patch Cable to SPICEbox™
Maximum Wiring Distance	328 ft. (100 m.) Network switch to SPICEbox™ 30 ft. max from Exit Light to SPICEbox™
Mechanical	
Dimensions (L X W X H)	12 in. (305 mm) x 3.5 mm. (89 mm) x 9.75 in. (248 mm)
Mounting	Available with ceiling and wall mount capability. Refer to page 3 for further Mounting information.
Weight	5 to 10 lbs. (2.26 to 4.5 kg)
Environmental	
Operating Temperature	32° to 104°F (0° to 40°C) ambient
Agency Listings and Compliance	
UL listed and meets or exceeds the following: UL 924, NEC, OSHA and NFPA 101 Life Safety Code requirements. CE Compliant	

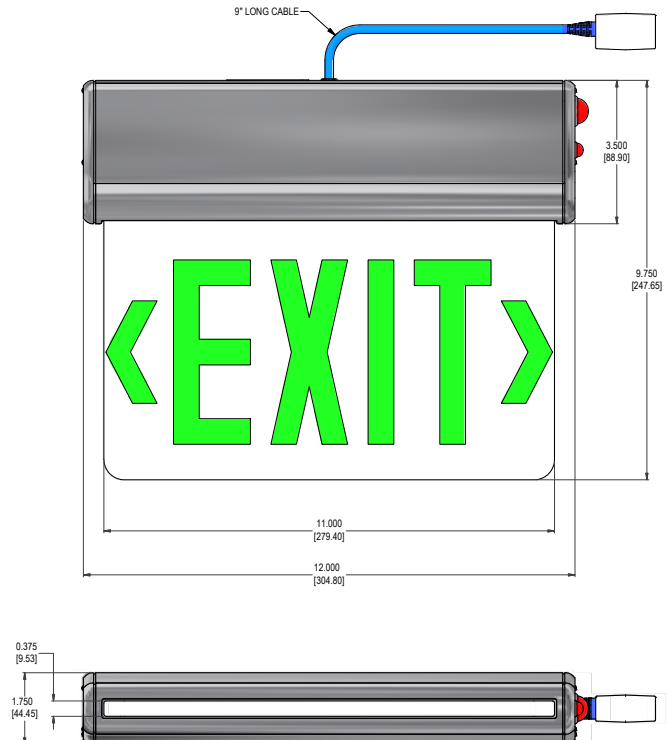


Safety Warning

- All electrical connections must be in accordance with local codes, ordinances and the National Electric Code. If you are unfamiliar with methods from installing electrical wiring, secure the services from a qualified licensed electrician.
- Before starting the installation, disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Using the light switch to turn the power off is not sufficient to prevent electrical shock.
- Do not use outdoors
- Do not let power supply cords touch hot surfaces
- Do not mount near gas or electric heaters
- Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush acid with fresh water and contact a physician immediately.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition
- Do not use this equipment for other than its intended use.
- All servicing should be performed by a qualified personnel only.
- Allow battery to charge for 24 hours before first use.
- **Warranty:** Voided if device has been modified from its original configuration



Dimensions



NOTE: Dimensions and color may vary based on the model type.



Battery Safety Information

- The proposed long term storage temperature is 59 °F to ~77 °F (15 °C to ~25 °C), humidity in 45-85% for all type battery.

Lead-Acid battery handling and storage

- Store batteries in cool, dry, well-ventilated areas with impervious surfaces and adequate containment in the event of spills.
- Batteries should also be stored under roof for protection against adverse weather conditions.
- Separate from incompatible materials. Store and handle only in areas with adequate water supply and spill control.
- Avoid damages to containers. Keep away from fire, sparks and heat.

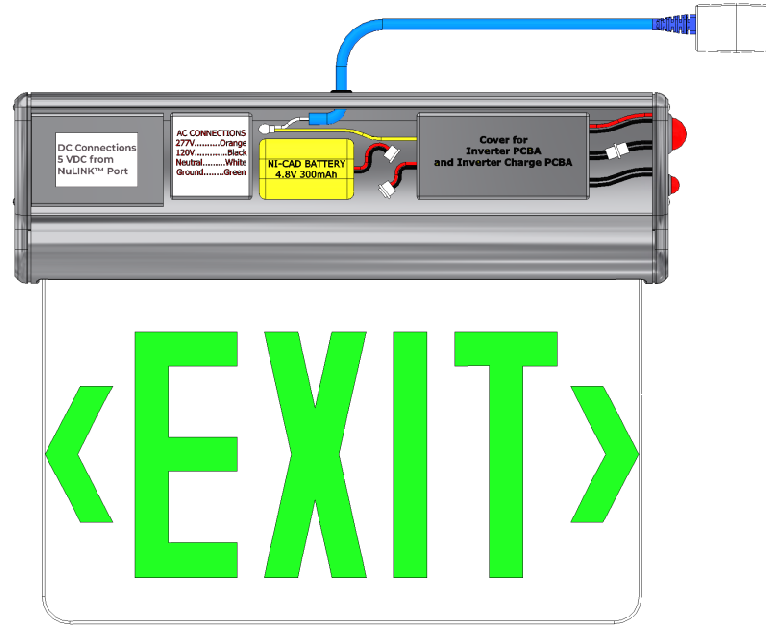
Lead-Acid battery handling and storage

- Do not damage or remove the external tube.
- Never throw out cells in a fire or expose to high temperature.
- Do not soak cells in water and sea water.
- Do not expose to strong oxidizers.
- Do not give a strong mechanical shock or throw down.
- Never disassemble modify or deform.
- Do not connect the positive terminal to the negative terminal with electrically conductive material.
- Do not short or install with incorrect polarity
- Avoid direct sunlight, high temperature, humidity and the places where it is exposed to the static electricity.

(800) 327-9798
mechoshade.com

Exit Light

Datasheet



Mounting

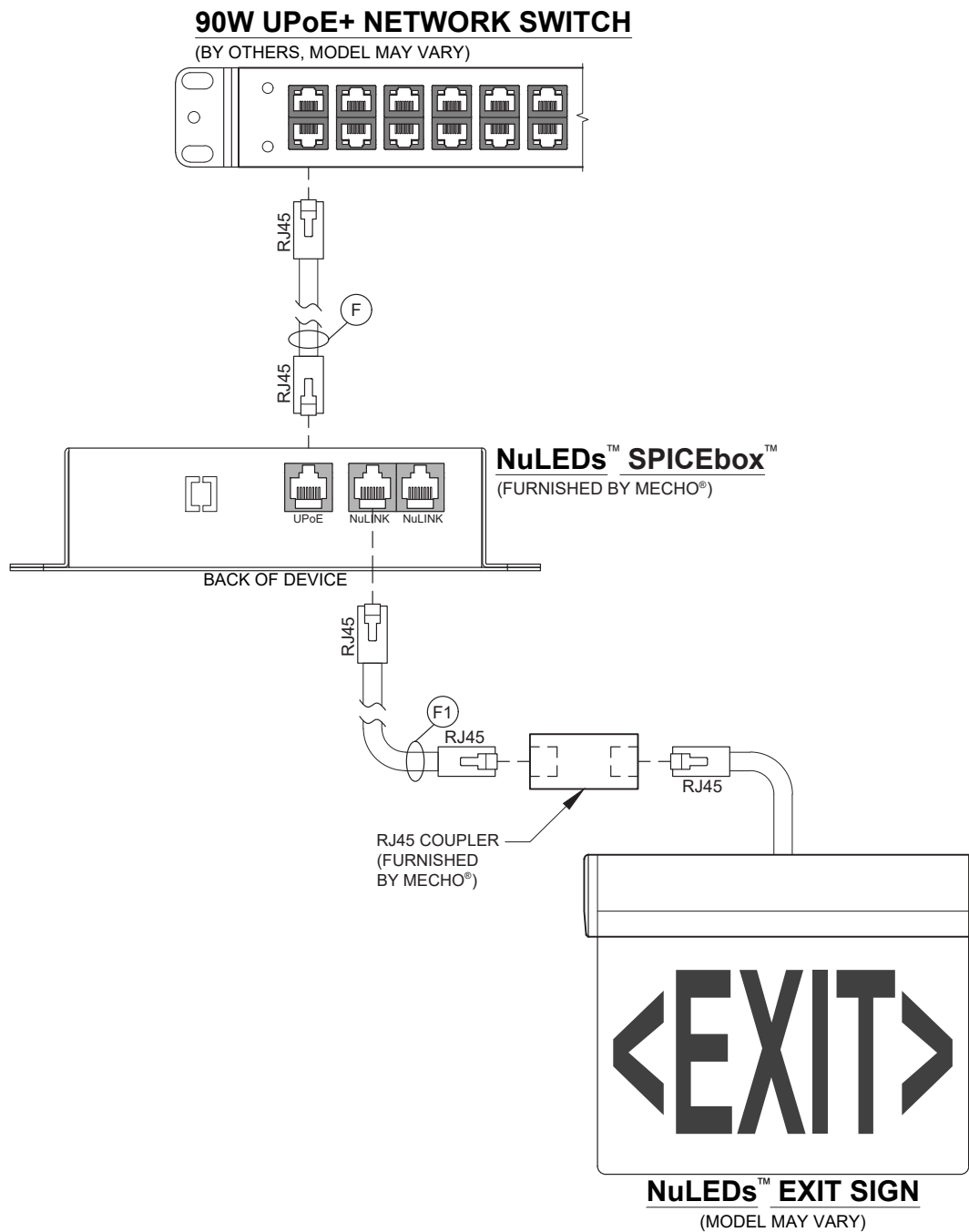
NOTE: First turn OFF the electricity.

1. Attach the crossbar to the J-box, using screws if needed. (screws are not provided)
2. Use a screwdriver to open the front cover to connect the battery connector.
3. Feed CAT 5/6 wire through the canopy center hole.
4. Assemble the canopy onto the main body assembly with 2 X PM 4*15 screws and make accurate wire connections.
5. Use 2 X PM4-40 screws (supplied) to tighten the canopy to the crossbar.
6. Insert the EXIT panel into the main body assembly gently. If the EXIT panel is for a single face, make sure the EXIT letter direction is right.
7. Determine the direction for chevron placement.
8. The unit can be installed on any surface, you may rotate the EXIT panel at any angle from 0° to 180°.
9. To change the ceiling mounting to the wall mounting rotate the Exit panel by 90°.

Exit Light

Datasheet

NuLINK™ Network Wiring Diagram - Exit Light

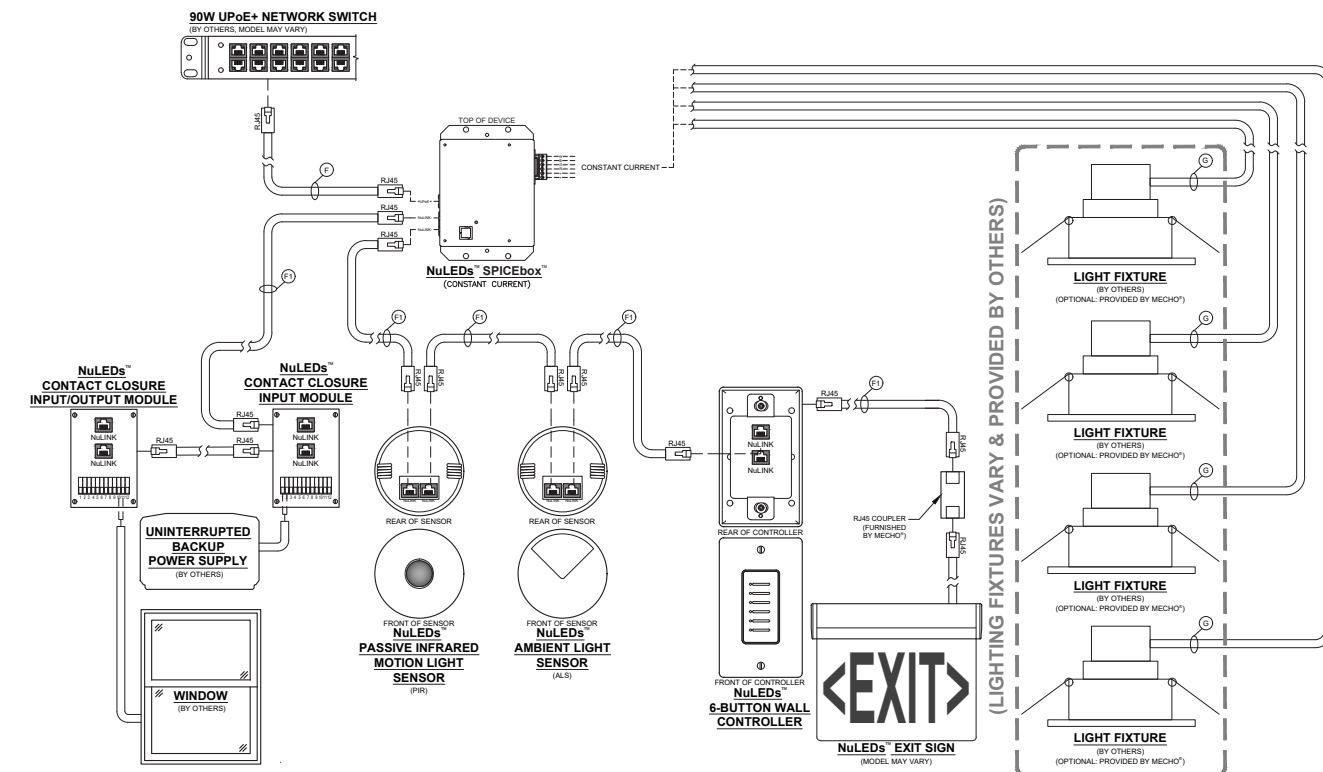


NOTE: Refer to page 11 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

Point-to-Point Diagram

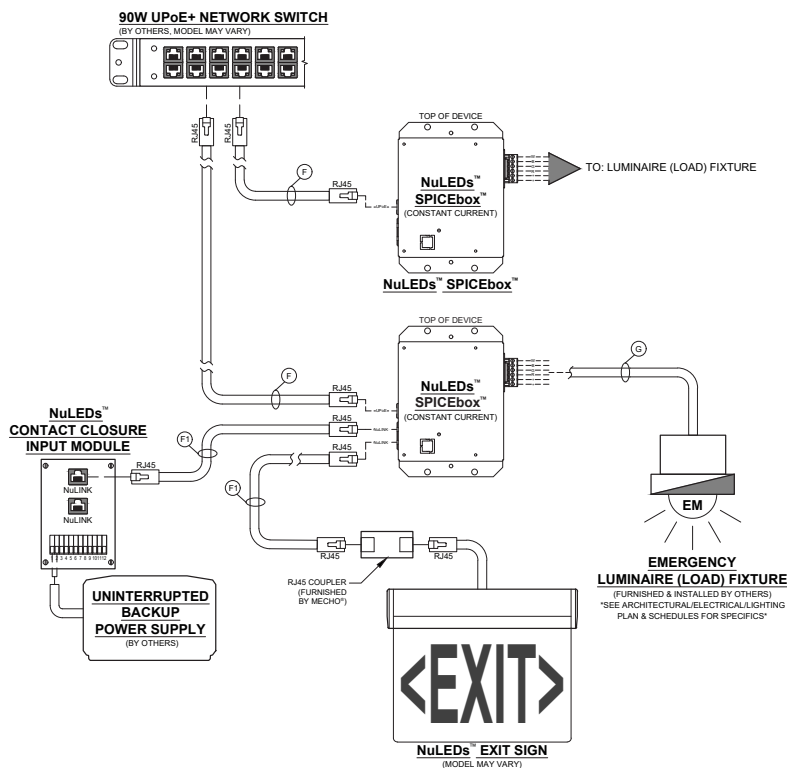


NOTE: Refer to page 11 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

Point-to-Point Diagram - Emergency Luminaire (Load) Fixture



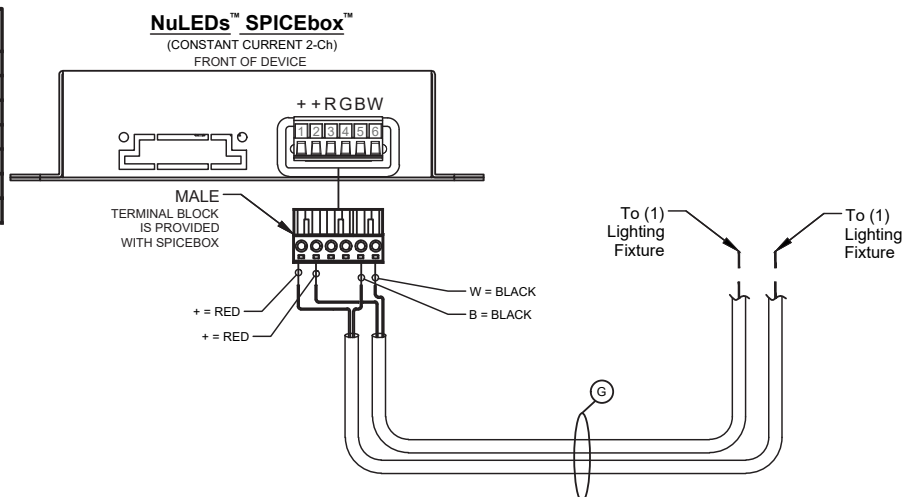
NOTE: Refer to page 11 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

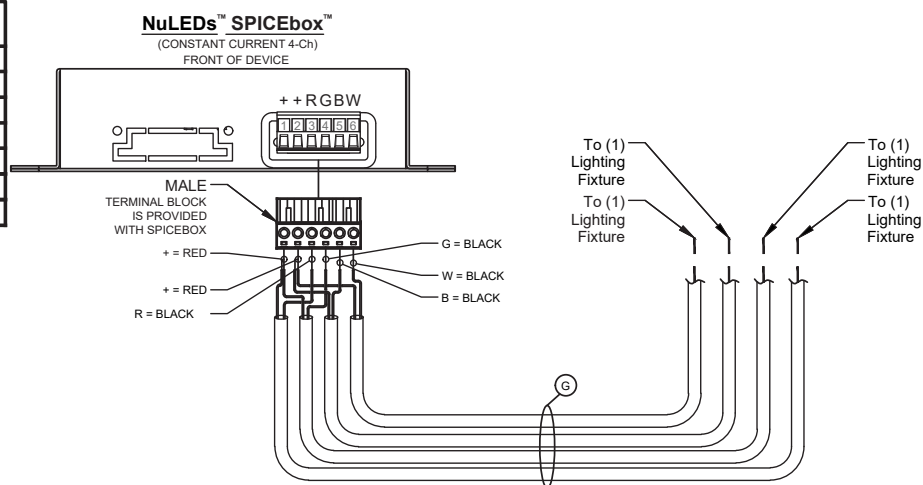
Point-to-Point Diagram - Constant Current 2 Channel Port Connections

SPICEBOX LOAD PORT WIRING PIN OUT		
PIN#	FUNCTION	PIN#
1	POWER (+)	1
2	POWER (+)	2
3	R CHANNEL	3
4	G CHANNEL	4
5	B CHANNEL	5
6	W CHANNEL	6



Point-to-Point Diagram - Constant Current 4 Channel Port Connections

SPICEBOX LOAD PORT WIRING PIN OUT		
PIN#	FUNCTION	PIN#
1	POWER (+)	1
2	POWER (+)	2
3	R CHANNEL	3
4	G CHANNEL	4
5	B CHANNEL	5
6	W CHANNEL	6



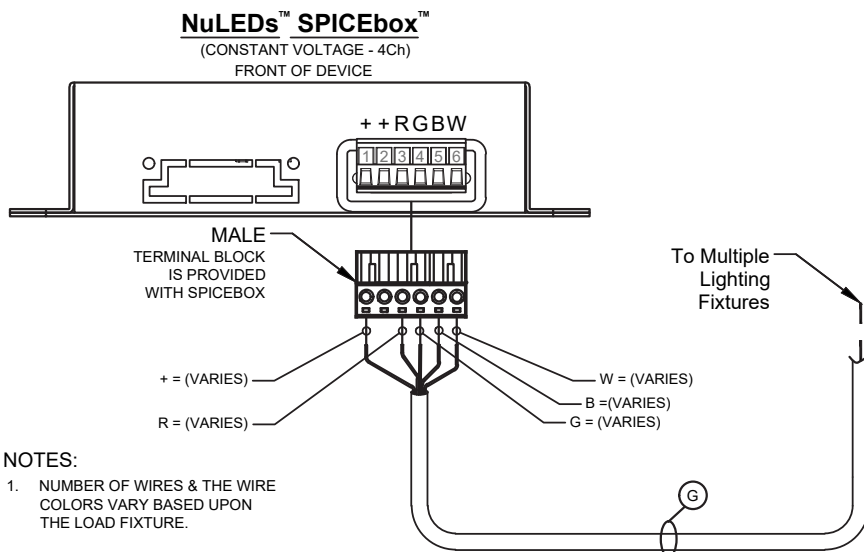
NOTE: Refer to page 11 for the Low Voltage Cable Legend and Crimping Instructions.

Exit Light

Datasheet

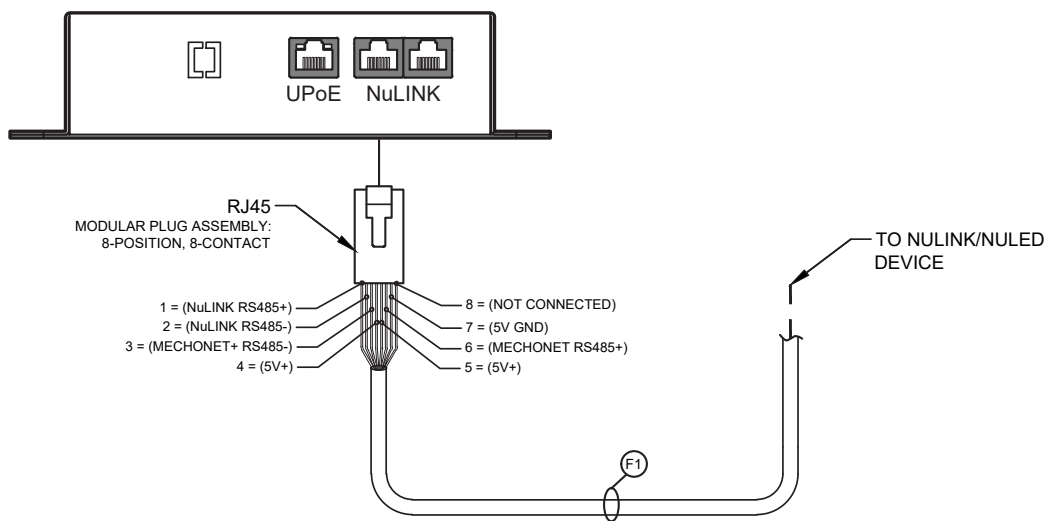
Point-to-Point Diagram - Constant Voltage Port Connections

SPICEBOX LOAD PORT WIRING PIN OUT		
PIN#	FUNCTION	PIN#
1	POWER (+)	1
2	POWER (+)	2
3	R CHANNEL	3
4	G CHANNEL	4
5	B CHANNEL	5
6	W CHANNEL	6



NuLINK MECHONET+ (RS485) PINOUT			
CABLE TYPE: CAT5/CAT5e/CAT6			
CATX CRIMP	PIN#:	WIRE COLOR:	FUNCTION:
	1	ORANGE/WHITE STRIPE	NuLINK RS485+
	2	ORANGE SOLID	NuLINK RS485-
	3	GREEN/WHITE STRIPE	MECHONET+ RS485-
	4	BLUE SOLID	5V+
	5	BLUE/WHITE STRIPE	5V+
	6	GREEN SOLID	MECHONET RS485+
	7	BROWN/WHITE STRIPE	5V GND
	8	BROWN SOLID	N/C

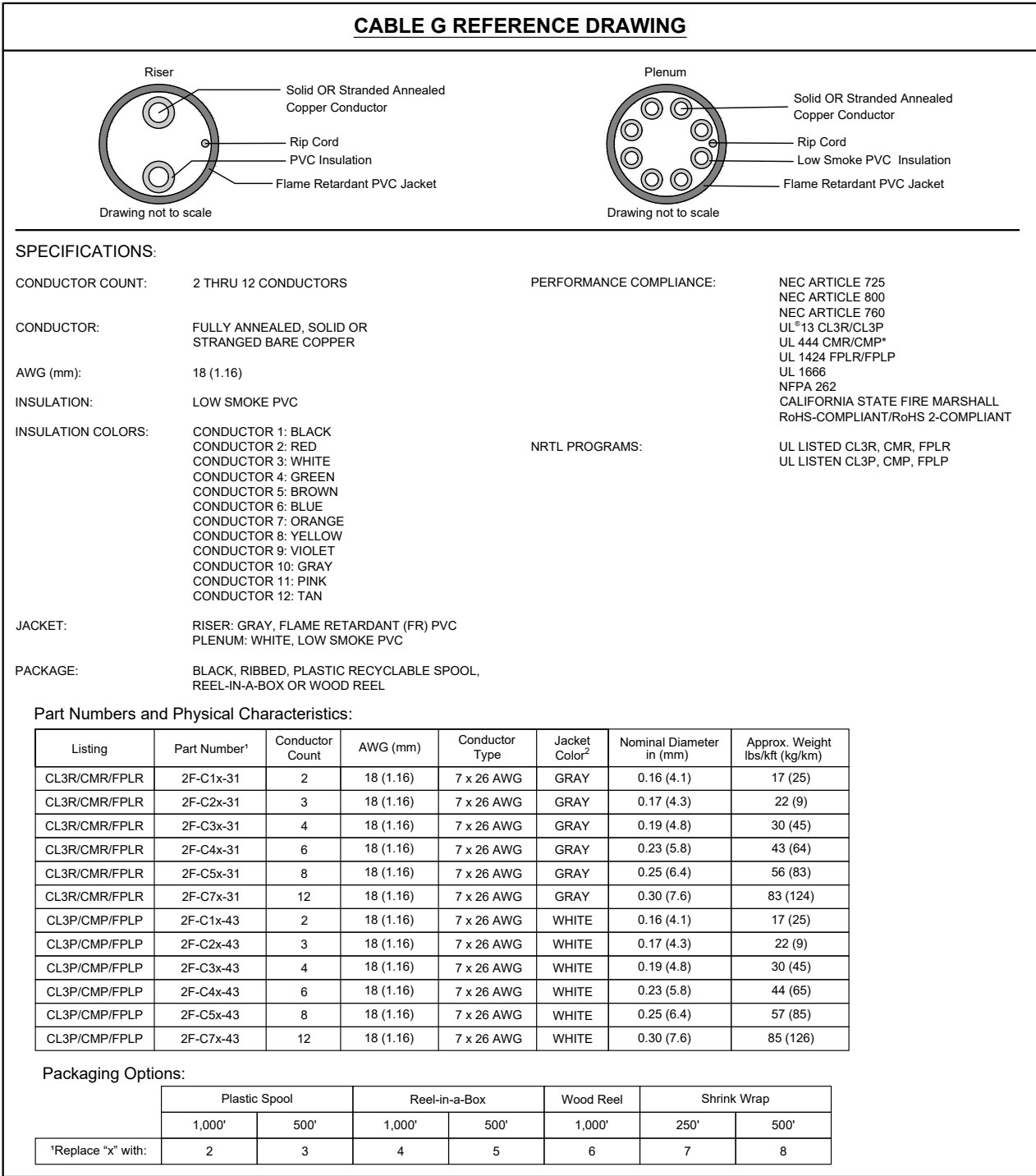
Point-to-Point Diagram - NuLINK Port Connections



Exit Light

Datasheet

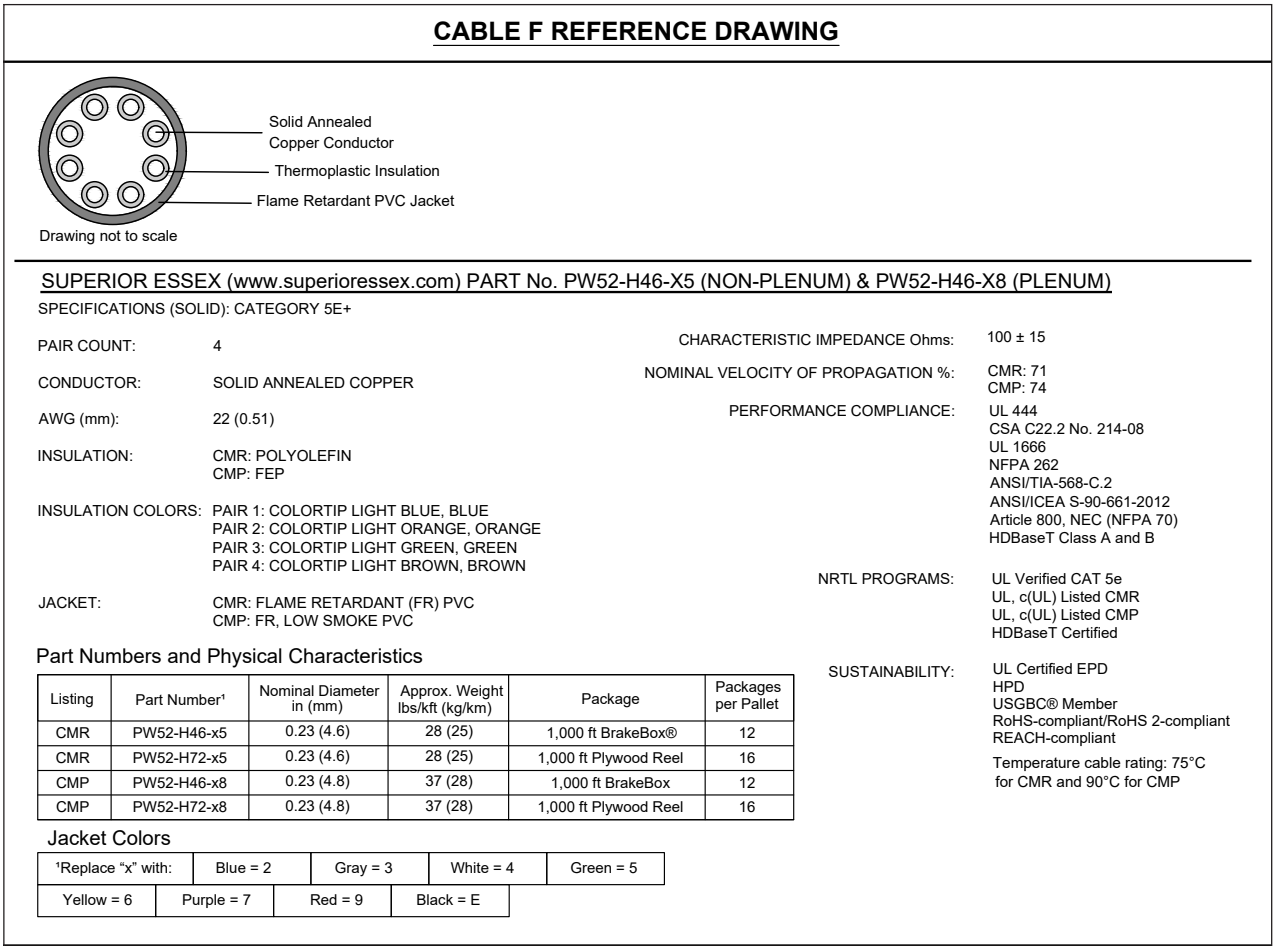
Cable Reference Drawing



Exit Light

Datasheet

Cable Reference Drawing



Exit Light

Datasheet

Low Voltage Cable Legend and Crimping Instructions

LOW VOLTAGE CABLE LEGEND - EIA568B	
NOTES: 1. PARALLEL WIRING TO NEXT DEVICE PER BRANCH CIRCUIT CAPACITY. ALL CONNECTION MUST MEET NATIONAL AND LOCAL CODES AND REGULATIONS. 2. ADDRESS SCHEDULES REQUIRED. 3. MAXIMUM VOLTAGE FOR ALL UNMARKED CABLE IS 43.5 VDC. 4. LOW VOLTAGE CABLES SHOULD NOT BE ROUTED NEAR POWER LINES OR ELECTRICAL DEVICES SUCH AS LIGHTING BALLASTS, DIMMERS AND LED DRIVERS THAT MAY EXPOSE THE SYSTEM TO EXCESSIVE ELECTRICAL NOISE.	
(F)	CAT5e+ - CABLE FOR UPOE NETWORK WIRING CONNECTIONS: SPECIFICATION: 22AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM) PART NO. PWS2-H46-X5 (NON-PLENUM) & PWS2-H46-X8 (PLENUM) OR COMPATIBLE CABLE DISTANCE LIMITATION: 328'. MAX. NODES: 1 SEE "CABLE F" REFERENCE DRAWING FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)
(F1)	CAT5e+ - CABLE FOR NuLED NETWORK WIRING CONNECTIONS: SPECIFICATION: 22AWG 4UTP (8-CONDUCTOR SOLID UNSHIELDED TWISTED PAIR) TERMINATION: RJ-45 MODULAR PLUG CRIMPED (EIA568B) ON BOTH ENDS RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM) PART NO. PWS2-H46-X5 (NON-PLENUM) & PWS2-H46-X8 (PLENUM) OR COMPATIBLE CABLE DISTANCE LIMITATION: 50'. MAX. EIPS: 15 SEE CABLE "F" REFERENCE DRAWING FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)
(G)	CABLE FOR SPICEBOX TO LIGHT (LOAD) FIXTURE WIRING CONNECTIONS: SPECIFICATION: 2 TO 12-CONDUCTOR (18AWG UNSHIELDED) RECOMMENDED: SUPERIOR ESSEX (WWW.SUPERIORESSEX.COM 1-800-551-8948) LISTING NO. CL3R/CMR/FPLR (NON-PLENUM), & CL3P/CMR/FPLP (PLENUM) DISTANCE LIMITATION: VARIES PER LOAD. MAX. LOADS: VARIES BY WATTS SEE CABLE "G" REFERENCE DRAWING FOR DETAILED SPECIFICATION. (FURNISHED & INSTALLED BY OTHERS)

EIA 568B CRIMPING - 8 CONDUCTOR CABLE		
UPoE CONNECTIONS ON UPOE NETWORK		
	CABLE TYPE: CAT5/CAT5e/CAT6	
	PIN#:	WIRE COLOR: FUNCTION:
	1	ORANGE/WHITE STRIPE DATA A+/POWER-
	2	ORANGE SOLID DATA A-/POWER-
	3	GREEN/WHITE STRIPE DATA B+/POWER+
	4	BLUE SOLID DATA C+/POWER+
	5	BLUE/WHITE STRIPE DATA C-/POWER+
	6	GREEN SOLID DATA B-/POWER+
	7	BROWN/WHITE STRIPE DATA D+/POWER-
	8	BROWN SOLID DATA D-/POWER-
EIA 568B CRIMPING - 8 CONDUCTOR CABLE		
NuLED CONNECTIONS ON MECHONET+ (RS485) NETWORK		
	CABLE TYPE: CAT5/CAT5e/CAT6	
	PIN#:	WIRE COLOR: FUNCTION:
	1	ORANGE/WHITE STRIPE NuLINK RS485+
	2	ORANGE SOLID NuLINK RS485-
	3	GREEN/WHITE STRIPE MECHONET+ RS485-
	4	BLUE SOLID 5V+
	5	BLUE/WHITE STRIPE 5V+
	6	GREEN SOLID MECHONET RS485+
	7	BROWN/WHITE STRIPE 5V GND
	8	BROWN SOLID N/C

Warranty

Mecho's warranty ensures its products against defects in materials and workmanship for up to 25 years. The warranty timeline shall vary for different products. For complete warranty information, please visit <https://www.mechoshade.com/warranty> or contact your Mecho Representative.

Mecho reserves the right to make improvements or changes to its products without prior notice. Every attempt is made to ensure the information herein is accurate and up to date. Verify with the Mecho staff to confirm the product's availability, latest specifications, and suitability for your application.

Technical support

Mecho

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