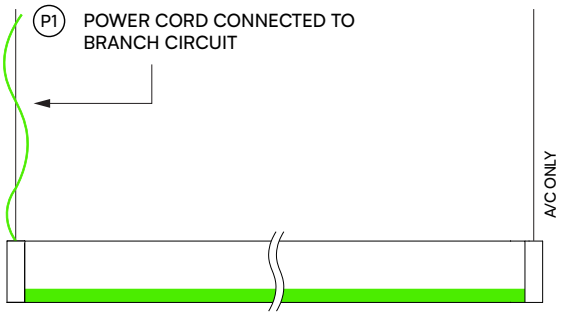
Hyperlink Circuit Options

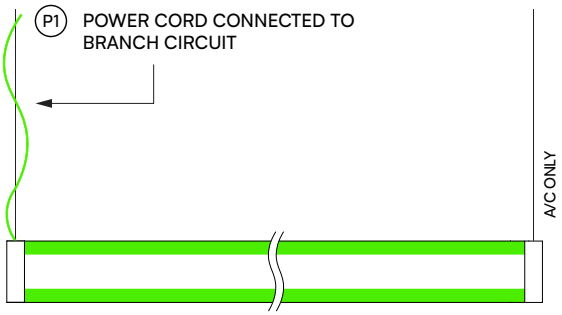
Hyperlink is available with a variety of circuiting options to accommodate various application and installation requirements. This guide is an overview of the available options and requirements to consider when specifying and installing Hyperlink.

Circuiting

1-Circuit (A 1CCT)



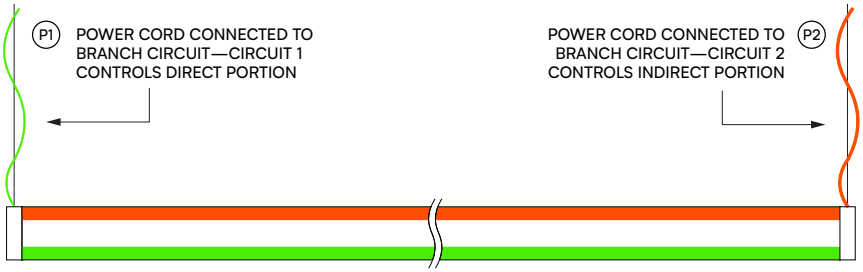
1-CIRCUIT DIRECT



1-CIRCUIT INDIRECT/DIRECT

Key Features	Wiring Requirement	Notes
Simplest option. Single circuit controls the entire fixture (Direct and Indirect) together for dimming/on/off.	1 branch circuit + 1 control wire circuit.	

2-Circuit Indirect/Direct (C 2CCT Up/Down)

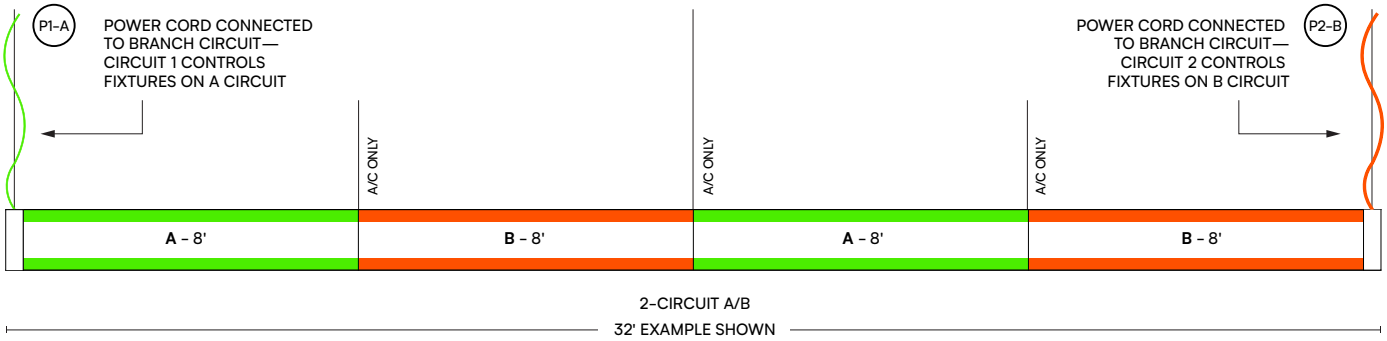


2-CIRCUIT INDIRECT/DIRECT

Key Features	Wiring Requirement	Notes
Independent control of the Direct (downward) and Indirect (upward) light portions.	Requires two separate power cords (one for Direct, one for Indirect).*	**Not available in patterns** (space limitation for wiring through link).

Hyperlink Circuit Options

2-Circuit A/B (B 2CCT Through A/B)



Key Features	Wiring Requirement	Notes
Alternating control of fixture segments E.g., Fixture 1 and 3 on Circuit A, Fixture 2 and 4 on Circuit B in long runs (3+ segments). Provides thru-wiring.	Requires two separate power cords and two circuits (A and B).*	**Patterns available in 1CCT only** (Due to tolerances for wiring through link) Direct and Indirect control is unified.

***To ensure desired functionality, it is the responsibility of the electrician and/or controls technician to wire these separate power cords into the building control and branch circuit appropriately.**

Hyperlink Circuit Options

Zoning

Zoning allows you to divide a Hyperlink fixture run or pattern into independently controlled sections. This feature is available for both 1-Circuit and 2-Circuit configurations.

Key Requirements

- **Power Feeds:** Each zone requires dedicated power cord(s). Each zone must be powered independently. The number of power cords required depends on the circuit type:

Circuit Type	Power Requirement
1-Circuit	1 Power Cord Per Zone
2-Circuit	2 Power Cords Per Zone

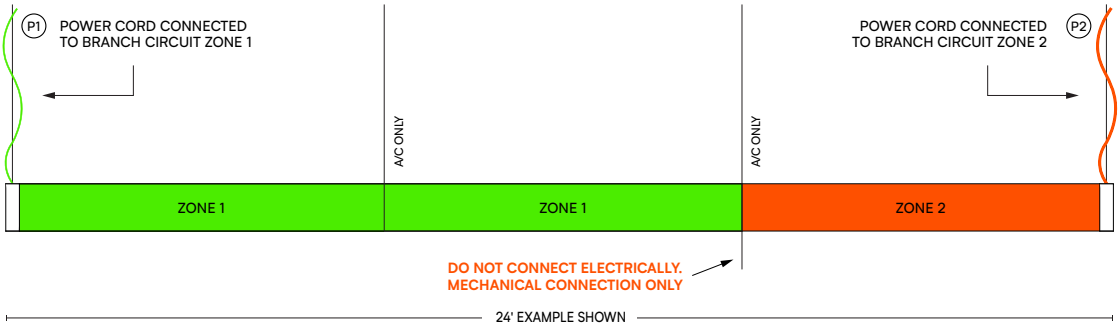
- **Mechanical Connection Only:** At the 'split point' between two zones, fixtures must be joined mechanically only—Do not make an electrical connection between different zones.
- **No Zoning Limits:** There is no maximum limit to the number of zones allowed within a single run or pattern.
- **Installation Responsibility:** The electrician or control technician is responsible for wiring the fixtures to the building branch circuit and control systems to ensure the zones operate independently.

Example: 32ft Straight Run (2 Zones)

To split a four-fixture run into two zones:

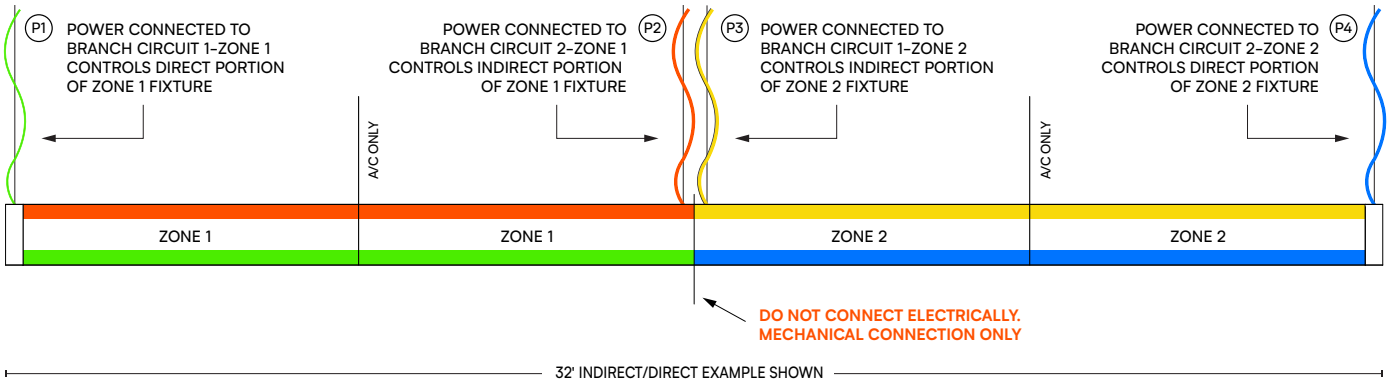
1. **Zone 1:** Connect Fixtures 1 and 2 to the first power feed.
2. **Zone 2:** Connect Fixtures 3 and 4 to a additional power feed.
3. **Split:** Ensure the joint between Fixture 2 and Fixture 3 is mechanical only (no electrical pass-through).

Zoning 1-Circuit (D 1CCT 2 Zone)



Hyperlink Circuit Options

Zoning 2-Circuit – Custom (Contact Factory – Drawings Required)



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Emergency Lighting & Battery Packs

Mindset fixtures can provide illumination during power failures, but do not replace the rated emergency fixtures required by local building codes for egress (UL 924 rated and tested to NEC emergency lighting codes).

Integrated Battery Pack (Hyperlink Fixtures)

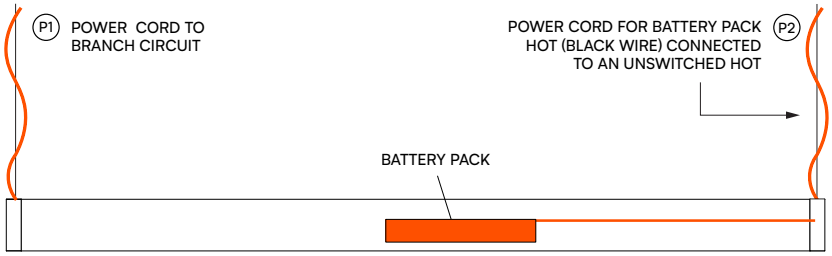
- Function: Provides 90 minutes of illumination of the direct portion of the luminaire during a power failure.
- Fixture Requirement: Only available in fixtures 5ft or longer.
- Specification: You must specify exactly which fixtures in a run require a battery pack.

Wiring & Power Cords

Because the battery pack requires a constant 'trigger' wire to detect power loss, additional cabling is currently required.

- Current Solution (5-Wire Cord): Requires an extra power cord to carry the trigger signal.

Fixture Type	Standard Cords	With Battery Pack
1-Circuit	1 Power Cord	2 Power Cords
2-Circuit	2 Power Cords	3 Power Cords

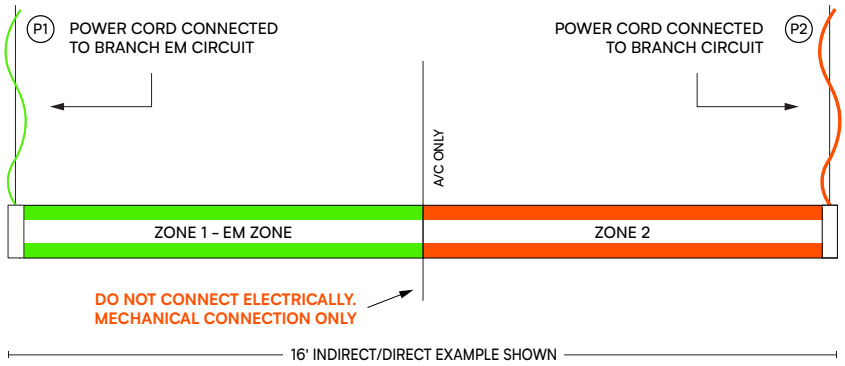


Hyperlink Circuit Options

Zoning for EM or Night Light Application (E 1 CCT + EM Circuit)

When you need a specific fixture or fixtures to remain on in an emergency, wire to an EM circuit, or Night Light circuit: Isolate the designated Emergency or Night Light fixtures into their own electrical zone.

- Designate one or more fixture segments as a separate zone to be wired into the building emergency circuit.
- Installation: This zone is wired directly into the building emergency circuit by the onsite electrician.
- Control: These fixtures will operate independently of the rest of the run or pattern.
- **DO NOT wire branch circuit and EM circuit to the same power cord. Fixtures do not have integrated GTD/Shunt. Any switching between branch circuit and EM circuit must be done with an external GTD/Shunt at the building level.**



***To ensure desired functionality, it is the responsibility of the electrician and/or controls technician to wire these separate power cords into the building control and branch circuit power appropriately.**

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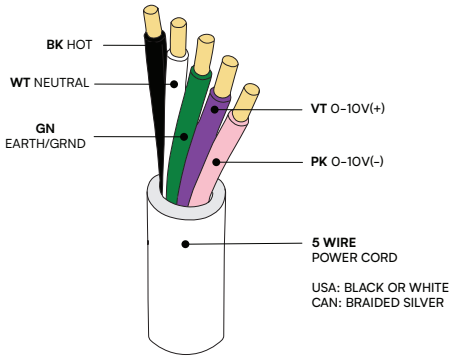
Wiring at The Building

1 Power & Wiring

- Currently every circuit is supplied with a 5-conductor SJTOW power cord. We are currently developing a 6-conductor cord which will be available soon. Consult factory for details and timing.
- In Dual-Circuit applications, power cords are pre-installed at opposite ends of the fixture/run to simplify cable management.
- Electrician to wire the power cord to building branch circuit in accordance with the diagrams below and local electrical codes.



5 Conductor type power cord.

One power cord per circuit is provided.

2 Dimming & Controls

- Mindset Dimming Protocol: Standardized on 0-10VDC.
- Dim-to-Min (Standard): Drivers are set to Dim-to-Min. To fully power down the fixture, ensure your wall switch or building controller utilizes a relay to cut the branch circuit power.
- Dim-to-Off (Sensor Option): When using eldoLED drivers with sensors, the fixture supports Dim-to-Off. This allows the fixture to power down via radio signal without an external relay. 0-10V leads of the power cord are not connected to the building control wires.

3 Sensor Integration

- Integrated Sensors (Runs+Discrete): Modules go at the ends or in between segments. They add 4 inches to the length. **NOTE: 8ft fixtures require the sensor module be installed on-site. Shorter segments come pre-installed.**
- Remote Sensors (Patterns): Best practice is to use remote sensors on the ceiling for patterns.
- Dual-Circuit Logic: One sensor module controls one circuit. If you have 2-Circuit Indirect/Direct, two sensor modules are required to independently control both the Direct and Indirect light outputs.

