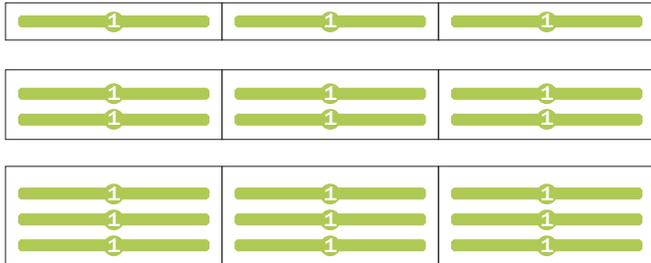


ELECTRICAL ARRANGEMENTS CIRCUITS

All luminaries are pre-wired at ends with quick-wire connectors or quick-connect plugs for easy installation. Each circuit is supplied with its own neutral conductor and is clearly labelled at each end. Wiring options for all fixtures are available with 1,2 or more circuits.

● SINGLE CIRCUIT

All lamps are connected to one circuit with one or more power cords to ensure connections comply with local and national electrical codes. Single circuit is indicated with a 1 in the CIRCUIT column in order code.



i For position of main output, refer to shop drawings.

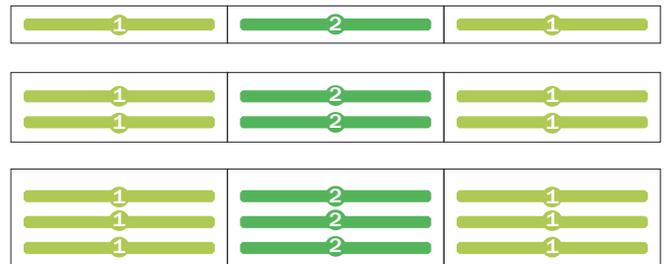
● DUAL CIRCUIT

Lamps are distributed on two circuits which share a common power cord. Dual circuits have separate hot conductors but common neutral conductors unless a line dimming ballast is used. There are two wiring options for a dual circuit; LEFT-RIGHT (along cross section) or ALTERNATING (along the run). In a LEFT-RIGHT arrangement, some rows of lamps are connected to the first circuit and other rows are connected to the second circuit. In an ALTERNATING CIRCUIT arrangement, every other section is connected to one circuit. Dual circuit is indicated with a 2 in the CIRCUIT column in order code.

LEFT-RIGHT



ALTERNATING CIRCUITS

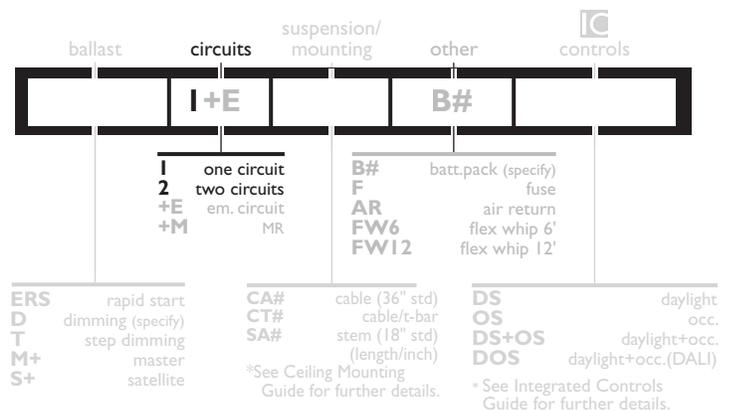


● CODE DESCRIPTION -CIRCUITS

EMERGENCY CIRCUIT:

In the CIRCUITS column, select the appropriate code:

- 1 - for one circuit
- 2 - for two circuits



In the Custom Description box on the spec sheet, please specify ALTERNATING or LEFT-RIGHT arrangement for dual circuit

Custom Description:

For additional circuits or custom wiring diagrams please consult the Axis Lighting team.

ELECTRICAL ARRANGEMENTS MR CIRCUITS

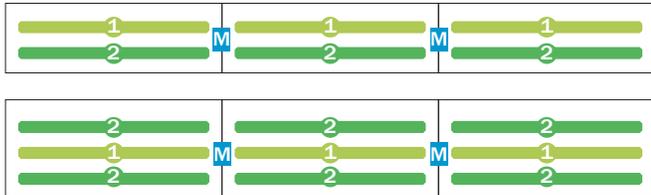
MR CIRCUIT

Luminaires with MR lamps require a separate circuit. MR CIRCUIT is indicated with an M (plus an indication of single circuit or dual circuit) in the CIRCUIT column in order code.

SINGLE CIRCUIT + MR



DUAL CIRCUIT + MR LEFT RIGHT CIRCUITS



ALTERNATING CIRCUITS



CODE DESCRIPTION -MR CIRCUIT

In the CIRCUITS column, select the appropriate code:

- a. **1** - for one circuit
- b. **2** - for two circuits
- 3. **+M** - for an MR circuits

ballast	circuits	suspension/ mounting	other	controls
	I+M		B#	
	1 one circuit 2 two circuits +E em. circuit +M MR		B# batt.pack (specify) F fuse AR air return FW6 flex whip 6' FW12 flex whip 12'	
ERS rapid start D dimming (specify) T step dimming M+ master S+ satellite		CA# cable (36" std) CT# cable/t-bar SA# stem (18" std) (length/inch) *See Ceiling Mounting		DS daylight OS occ. DS+OS daylight+occ. DOS daylight+occ.(DALI)

In the Custom Description box on the spec sheet, please specify ALTERNATING or LEFT-RIGHT arrangement for dual circuit

Custom Description:

For additional circuits or for custom wiring diagrams please consult the Axis Lighting team.

● EMERGENCY LIGHT (E)

Emergency circuits are connected to emergency lines so in the case of a power failure, the external emergency system provides power to the luminaires connected to the emergency line. Emergency circuits are completely separate circuits with individual housing, power cord and wires which pass through a separate raceway inside the fixture. Emergency circuit is indicated with an E in the CIRCUIT column in order code.

● SINGLE CIRCUIT + EMERGENCY LIGHT (+E)



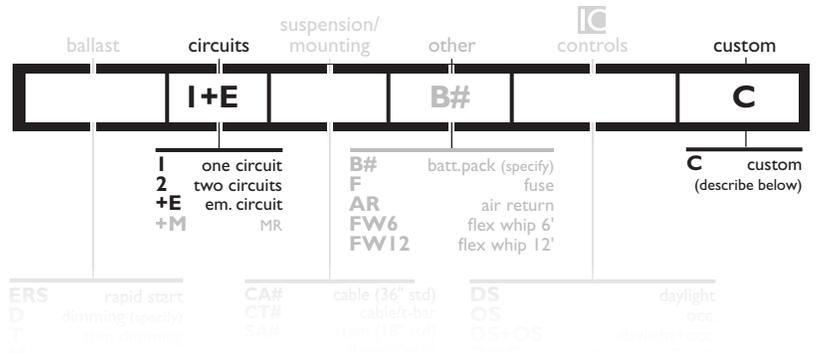
● GTD

GTD is a device that senses power failure and switches the power source from normal to emergency. GTD requires a normal input, an emergency input and an unswitched line sample. GTD device is indicated with a C in the CUSTOM column and then specify GTD in the CUSTOM DESCRIPTION box on the specification sheet. For specific GTD device manufacturer please consult Axis Lighting team.

● CODE DESCRIPTION - EMERGENCY CIRCUIT - GTD

In the CIRCUITS column, select the appropriate code:

- a. **1** - for one circuit
- b. **2** - for two circuits
- 3. **+E** - for an Emergency circuits



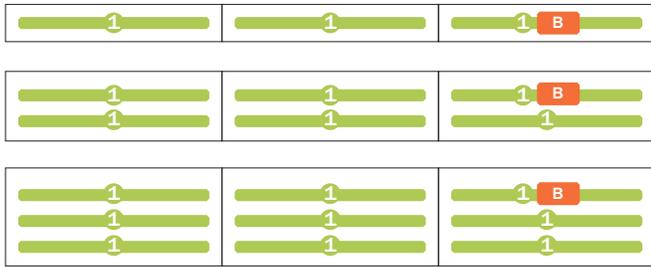
In the Custom Description box on the spec sheet, please specify GTD device / preferred manufacturer.

Custom Description:

● BATTERY PACK (B#)

A battery pack senses power failure and provides enough energy to keep a certain number of lamps on with reduced lumen output to produce a minimum accepted light level for a limited time in the case of a blackout. Battery packs are connected to a normal circuit in the luminaire and require an unswitched line sample in order to detect the power failure. A battery pack is connected to one lamp by default but the option of connecting to more lamps is also available. Battery pack is indicated with a B followed by the number of battery packs required in the OTHER column in order code. Location of the battery pack must be specified in the CUSTOM DESCRIPTION box on the specification sheet.

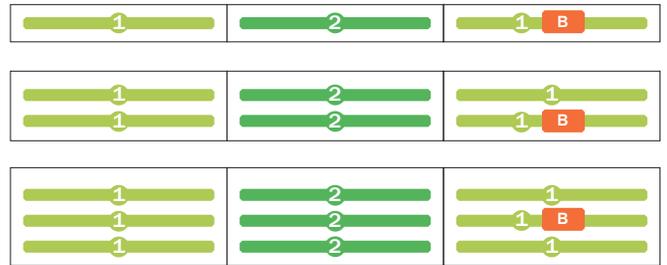
● SINGLE CIRCUIT - BATTERY PACK (B#)



● DUAL CIRCUIT - BATTERY PACK (B#)

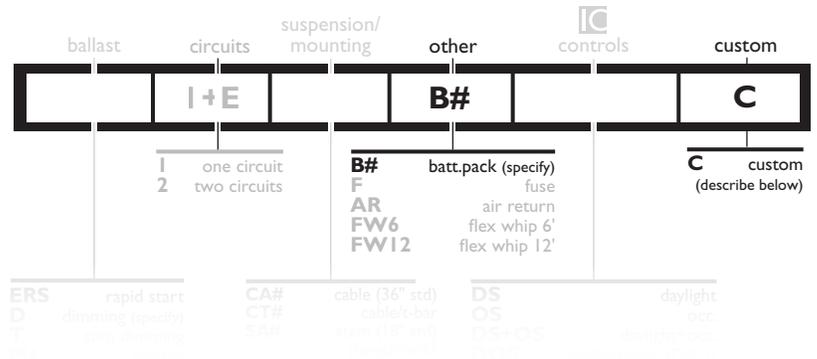


● DUAL CIRCUIT - ALTERNATING BATTERY PACK (B#)



● CODE DESCRIPTION - BATTERY PACK

In the OTHER column, select the appropriate code:
B# - for battery pack



In the Custom Description box on the spec sheet, please specify the location/sections for BATTERY PACK

Custom Description:

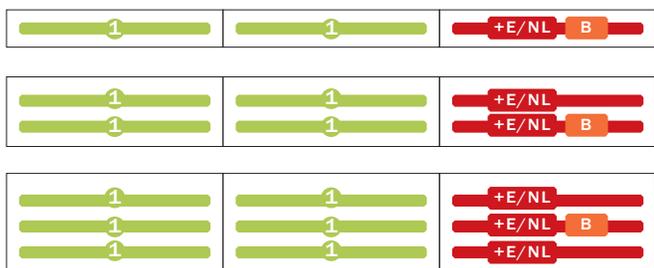
● EMERGENCY WITH NIGHT LIGHT (+E B#)

Nightlight/Emergency circuits functions the same as an Emergency light but it is connected to a battery pack and a non switched line that is always on. The Nightlight/Emergency circuit is indicated with a C in the CUSTOM column and then specify NL/EM in CUSTOM DESCRIPTION box.

● NIGHT LIGHT (NL)

A Nightlight circuit is a separate circuit that is always on. It can share cable and raceway with normal circuits but has individual hot and neutral conductor. Nightlight circuit is indicated with a C in the CUSTOM column and then specify NL in CUSTOM DESCRIPTION box.

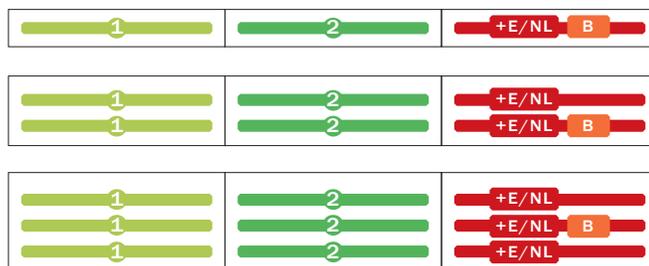
● SINGLE CIRCUIT COMBO (+E B#)



● DOUBLE CIRCUIT COMBO (+E B#)



● DOUBLE CIRCUIT ALTERNATING COMBO (+E B#)



i For location of emergency with NL, refer to shop drawings.

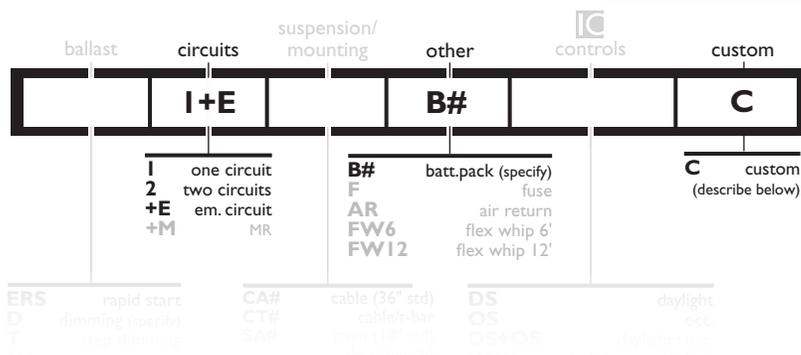
● CODE DESCRIPTION -EMERGENCY CIRCUIT

In the CIRCUITS column, select the appropriate code:

- a. **1** - for one circuit
- b. **2** - for two circuits
- 3. **+E** - for an Emergency circuits

In the OTHER column, select the appropriate code:

B# - for BATTERY PACK



In the Custom Description box on the spec sheet, please specify NL/EM or NL

Custom Description: