ADNM | DTV NEMA 3 (TV Studio Camera Flicker Free)



Project: _____

Type: _____

Features
- Switching electronic power supply
- Constant Voltage
- Universal input voltage: 100-277V AC
- Single and multiple 12V or 24V DC outputs
- NEMA 3R Rain-tight enclosure for wet locations
- 5 year warranty

Environmental
- MTBF: 100,000 hrs. at full load and 25°C
- Operating temperature: -40°C - +80°C (Full load)
- Storage temperature: -65°C - +90°C
- Heat dissipation: Convection

Mechanical Specification
- Steel enclosure
- Bracket mount and ½" knockouts for conduit and fittings

Electrical Data
- Secondary circuit maximum protection for Class 2 circuits: 5A for 12V DC, 4A for 24V DC
- Voltage regulated +/-3%
- Auto overload / short circuit / over voltage protection

Order Specification Guide - DTV

c UL us LISTED

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY	DIMENSION
ADNM Series Class 2	ADNM-60-1-5-12-DTV	INDOOR / OUTDOOR	100-277V AC 50/60 Hz	12V DC	1	60W	5A	10"W X 10"L X 4"D
	ADNM-150-2-5-12-DTV				2	2x60W	2x5A	12"W X 12"L X 4"D
	ADNM-240-4-5-12-DTV				4	4x60W	4x5A	16"W X 16"L X 4"D
	ADNM-120-1-4-24-DTV			24V DC	1	96W	4A	12"W X 12"L X 4"D
	ADNM-240-2-4-24-DTV				2	2x96W	2x4A	12"W X 12"L X 4"D
	ADNM-320-3-4-24-DTV				3	3x96W	3x4A	16"W X 16"L X 4"D

Order Specification Guide - DTVC (Color Changing)

c UL us LISTED

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY	DIMENSION
ADNM Series Class 2	ADNM-60-1-5-12-DTVC	INDOOR / OUTDOOR	100-277V AC 50/60 Hz	12V DC	1	60W	5A	10"W X 10"L X 4"D
	ADNM-150-2-5-12-DTVC				2	2x60W	2x5A	12"W X 12"L X 4"D
	ADNM-240-4-5-12-DTVC				4	4x60W	4x5A	16"W X 16"L X 4"D
	ADNM-120-1-4-24-DTVC			24V DC	1	96W	4A	12"W X 12"L X 4"D
	ADNM-240-2-4-24-DTVC				2	2x96W	2x4A	12"W X 12"L X 4"D
	ADNM-320-3-4-24-DTVC				3	3x96W	3x4A	16"W X 16"L X 4"D

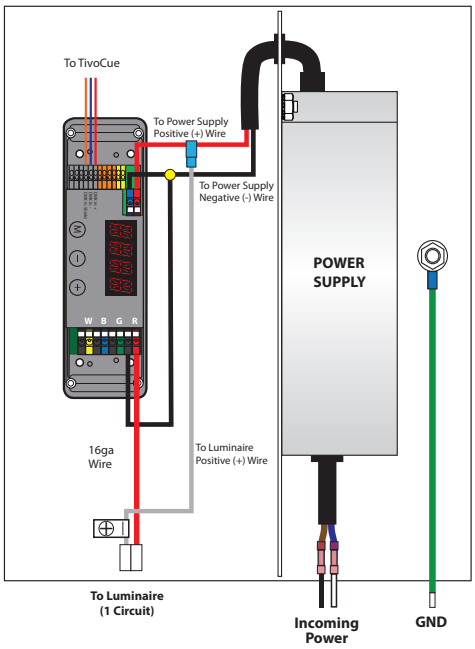
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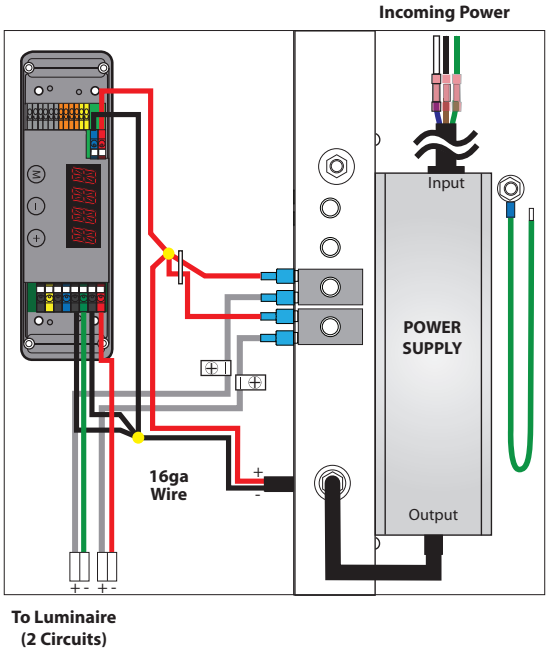
www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

12V Wiring Diagram - DTV

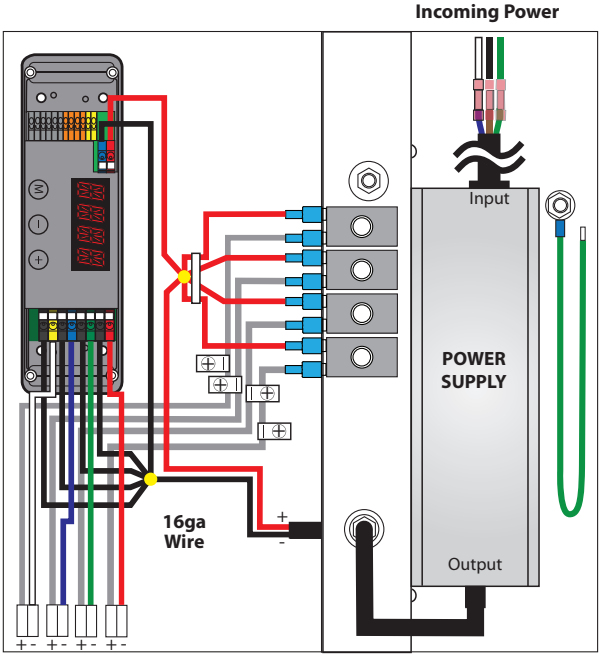
ADNM-60-1-5-12-DTV
Outdoor (NEMA 3 Rated)
60W / 1 Circuit X 5A / 1 ELDOLED controls
Box Size: 10"W X 10"L X 4" D



ADNM-150-2-5-12-DTV
Outdoor (NEMA 3 Rated)
150W / 2 Circuit X 5A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



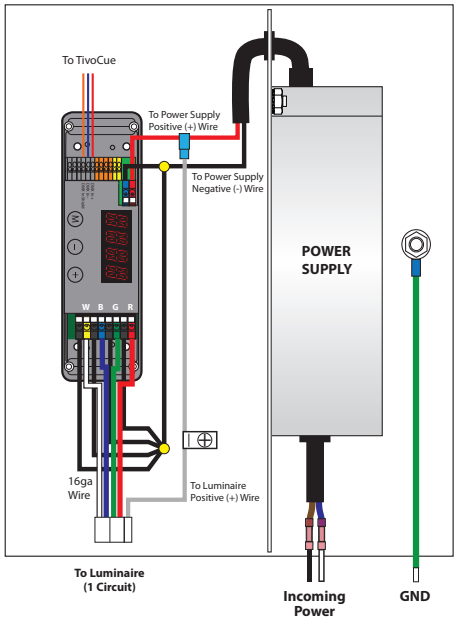
ADNM-240-4-5-12-DTV
Outdoor (NEMA 3 Rated)
240W / 4 Circuit X 5A / 1 ELDOLED controls
Box Size: 16"W X 16"L X 4" D



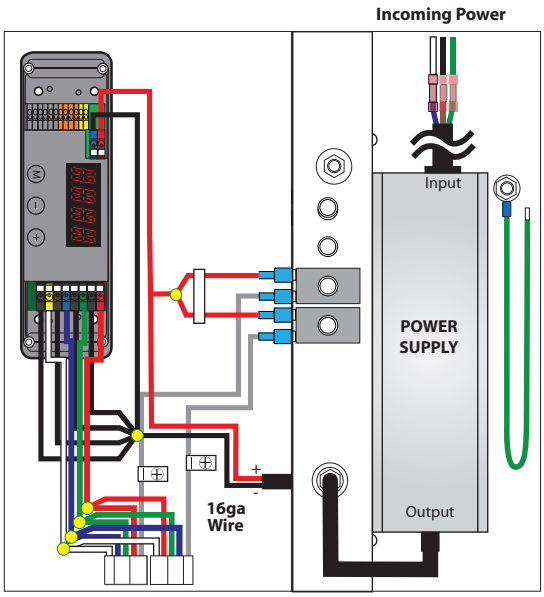
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12V Wiring Diagram - DTVC (Color Changing)

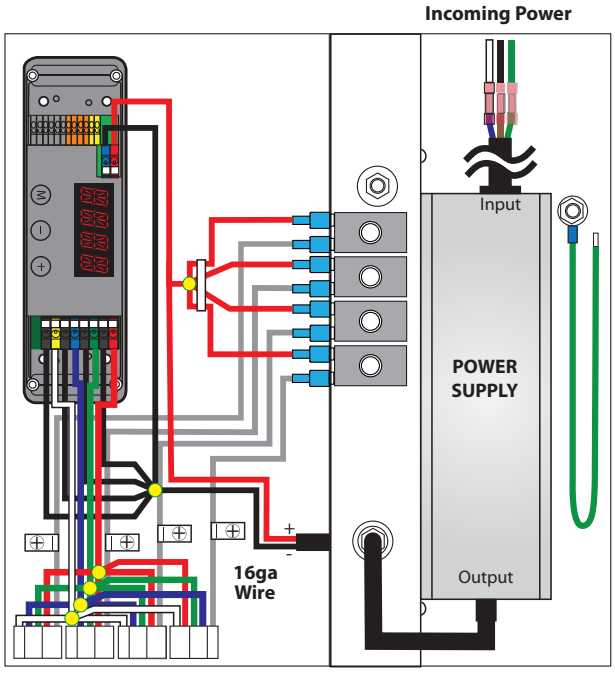
ADNM-60-1-5-12-DTVC
Outdoor (NEMA 3 Rated)
60W / 1 Circuit X 5A / 1 ELDOLED controls
Box Size: 10"W X 10"L X 4" D



ADNM-150-2-5-12-DTVC
Outdoor (NEMA 3 Rated)
150W / 2 Circuit X 5A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



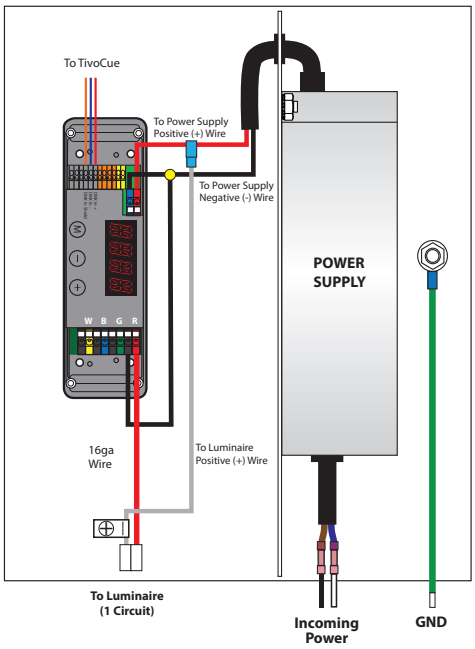
ADNM-240-4-5-12-DTVC
Outdoor (NEMA 3 Rated)
240W / 4 Circuit X 5A / 1 ELDOLED controls
Box Size: 16"W X 16"L X 4" D



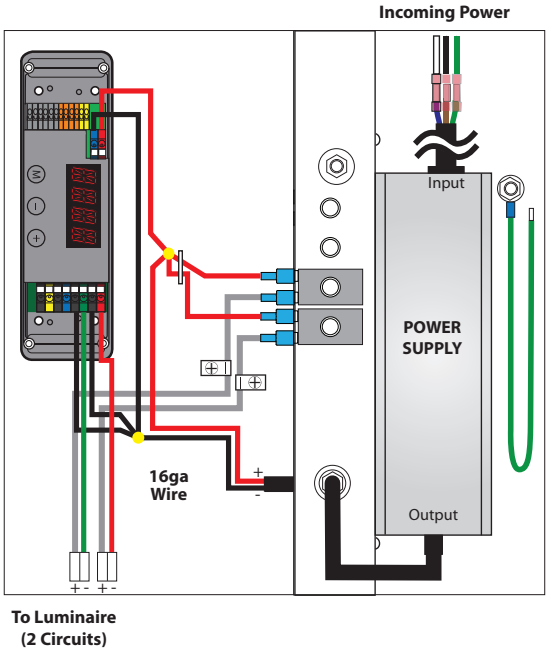
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24V Wiring Diagram - DTV

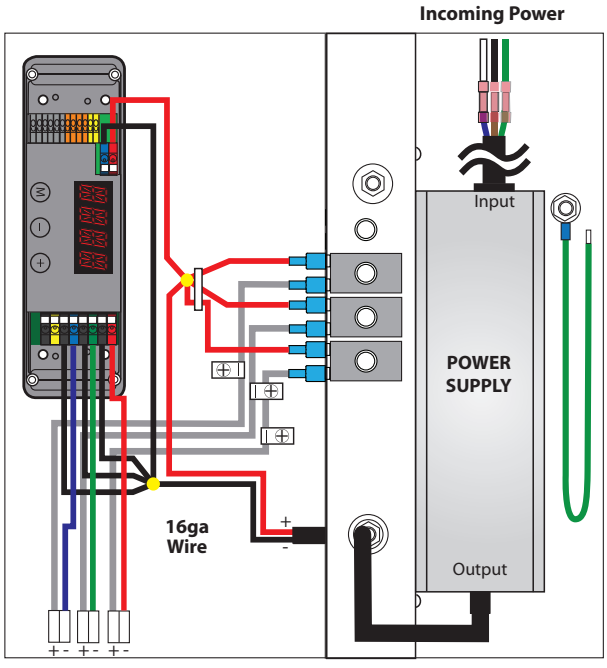
ADNM-120-1-4-24-DTV
Outdoor (NEMA 3 Rated)
120W / 1 Circuit X 4A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



ADNM-240-2-4-24-DTV
Outdoor (NEMA 3 Rated)
240W / 2 Circuit X 4A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



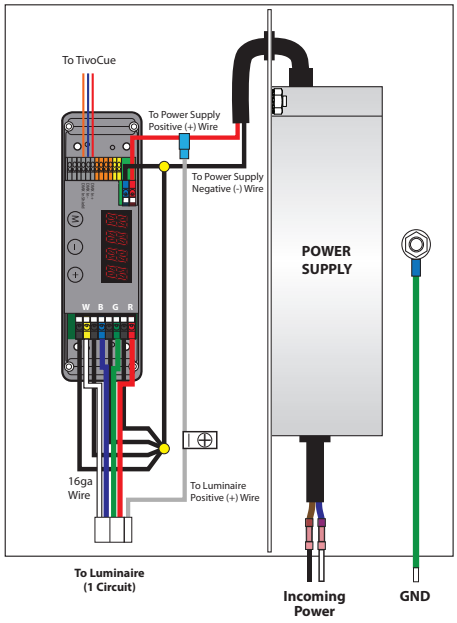
ADNM-320-3-4-24-DTV
Outdoor (NEMA 3 Rated)
320W / 3 Circuit X 4A / 1 ELDOLED controls
Box Size: 16"W X 16"L X 4" D



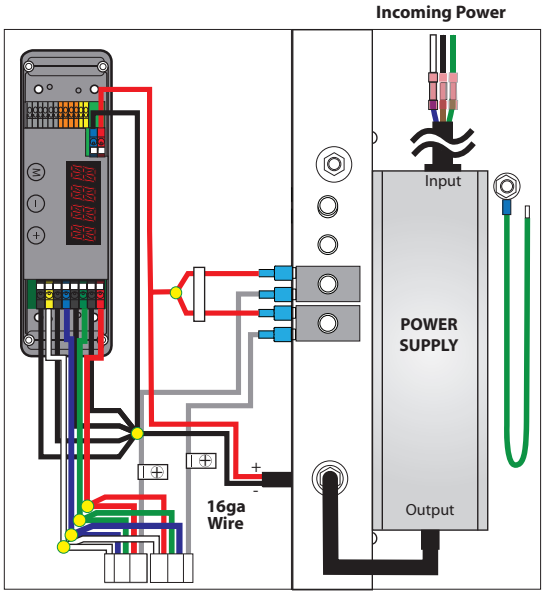
Tivoli, LLC. reserves the right to modify this specification without prior notice.

24V Wiring Diagram - DTVC (Color Changing)

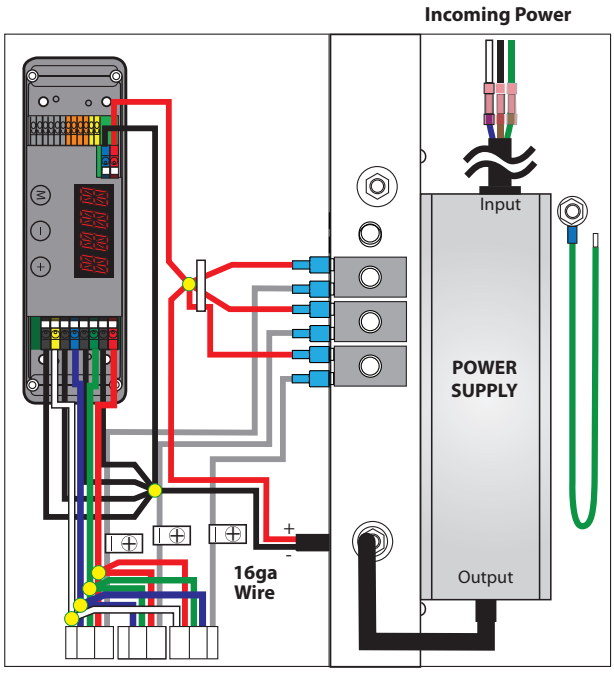
ADNM-120-1-4-24-DTVC
Outdoor (NEMA 3 Rated)
120W / 1 Circuit X 4A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



ADNM-240-2-4-24-DTVC
Outdoor (NEMA 3 Rated)
240W / 2 Circuit X 4A / 1 ELDOLED controls
Box Size: 12"W X 12"L X 4" D



ADNM-320-3-4-24-DTVC
Outdoor (NEMA 3 Rated)
320W / 3 Circuit X 4A / 1 ELDOLED controls
Box Size: 16"W X 16"L X 4" D



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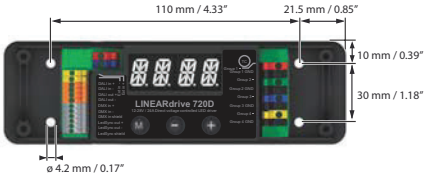
Connecting and Configuring LINEAR Drive 720D



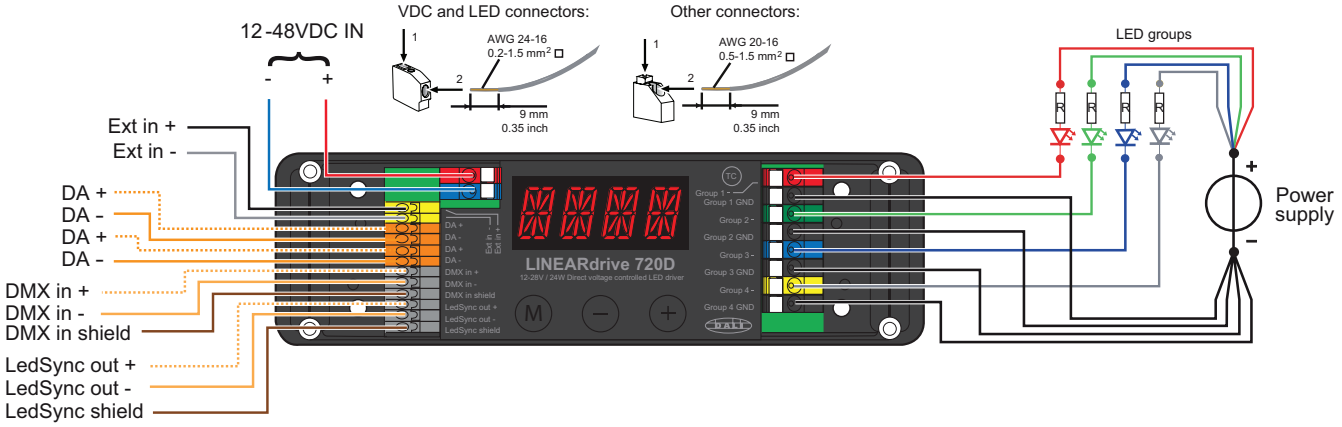
A Removing the cover



B Removing the strain reliefs



C Mounting the LINEARdrive



D Making the wire connections



E Fastening the strain reliefs



F Configuring the LINEARdrive



G Replacing the cover

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CAUTION: The device may only be connected and installed by a qualified electrician. All applicable regulations, legislation and building codes must be observed. Incorrect installation of the device can cause irreparable damage to the device and the connected LEDs.

12V - 48V DC IN

To connect the driver to a 12-48V DC power supply unit (PSU), connect the PSU's positive voltage supply wire to the VDC+ connector and the PSU's negative voltage supply wire to the VDC connector. The driver and LEDs can use the same PSU.

EXT In

You have the possibility to connect an external control device (10 Ω potentiometer or show selection switch) to the driver's Ext in+ and Ext in- connector. Configure the driver for use with an external control device over the 3-button user interface.

DA+ / DA-

Use these connectors to connect the driver to a DALI network. Always combine a DA+ and a DA- connector for either data in-put or data output.

DMX In/LedSync Out

Use these connectors when the driver is used in a DMX network. For DMX in, connect the network cable's DMX+, DMX- and DMX shielding wire (the in a CAT5 cable) to the DMX in+, DMX in- and DMX in shield orange/white, orange and brown wire in a CAT5 cable) to the DMX in+, DMX in- and DMX in shield connector respectively. For LedSync out, connect the network cable's data+, data and shielding wire to the LedSync out+, LedSync out- and LedSync shield connector respectively.

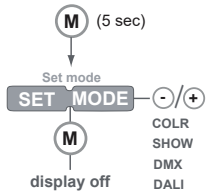
LED groups

Indicates the location of the connectors for your LED groups. R(ed) represents channel 1, G(reen) represents channel 2, B(lue) represents channel 3 and W(hite) represents channel 4. The default group color allocation can be changed over the 3-button user interface.

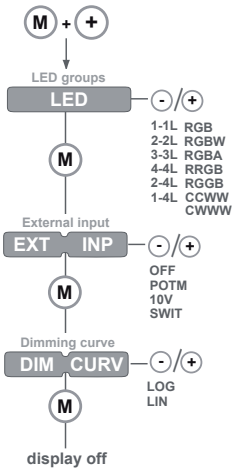
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Manual configuration

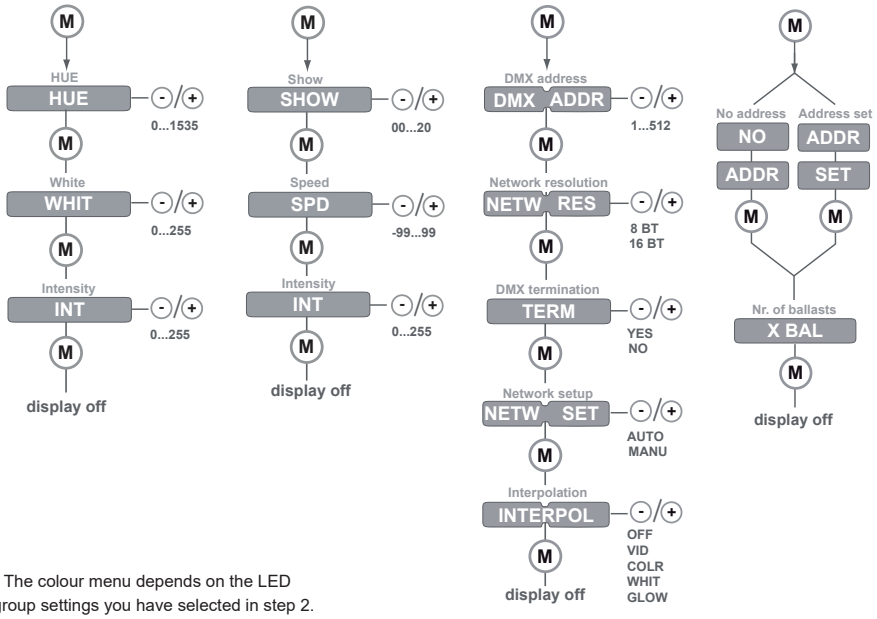
1. Select mode of operation



2. Set LED groups



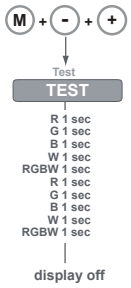
3. Standalone operation - Colour*- *or* Standalone operation - Show - *or* Networked operation - DMX or DALI -



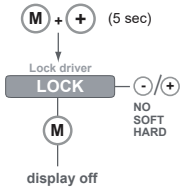
* The colour menu depends on the LED group settings you have selected in step 2.

Other features

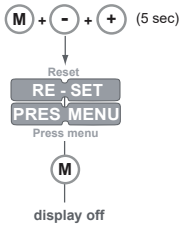
Visual test run



Locking the configuration



Reset to factory defaults



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