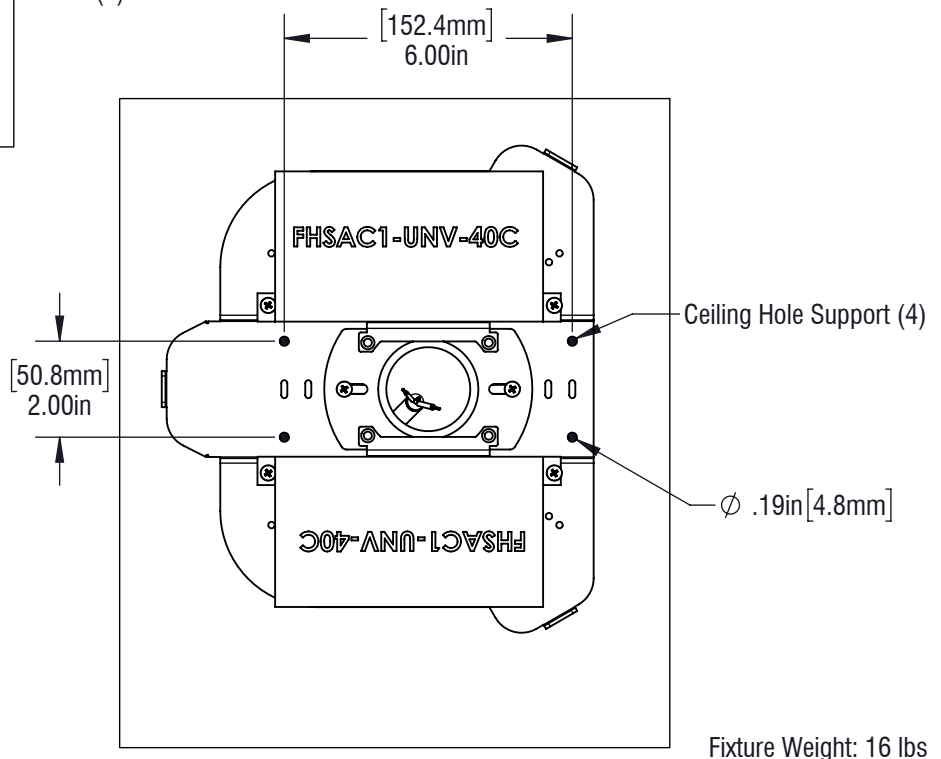


- ① Install main bracket and supporting bracket onto junction box and/or ceiling as shown.

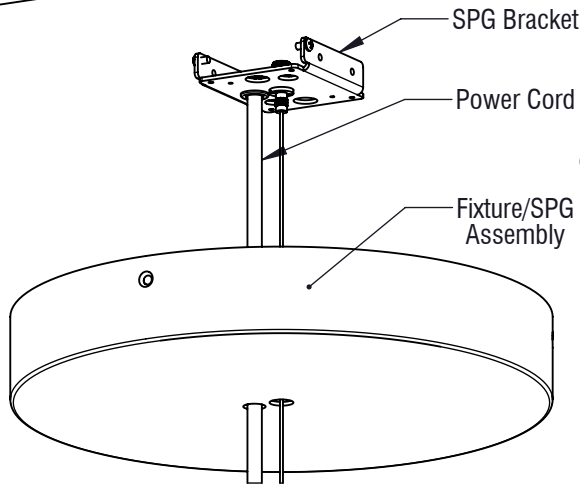
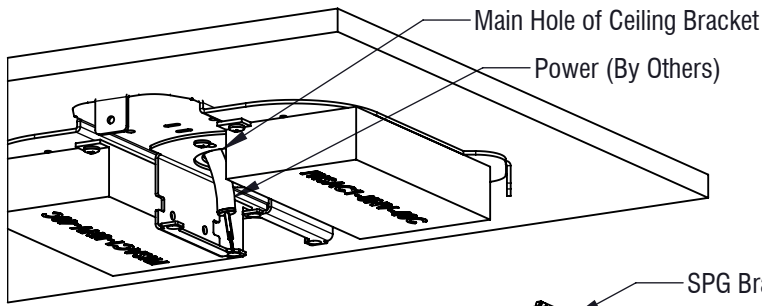
if on ceiling: use appropriate screws for ceiling type (screws by others).



Risk of fire and electrical shock.
Disconnect power at electrical panel before servicing.
Fixture must be installed by a qualified electrician only in accordance with national, local building and electrical codes.

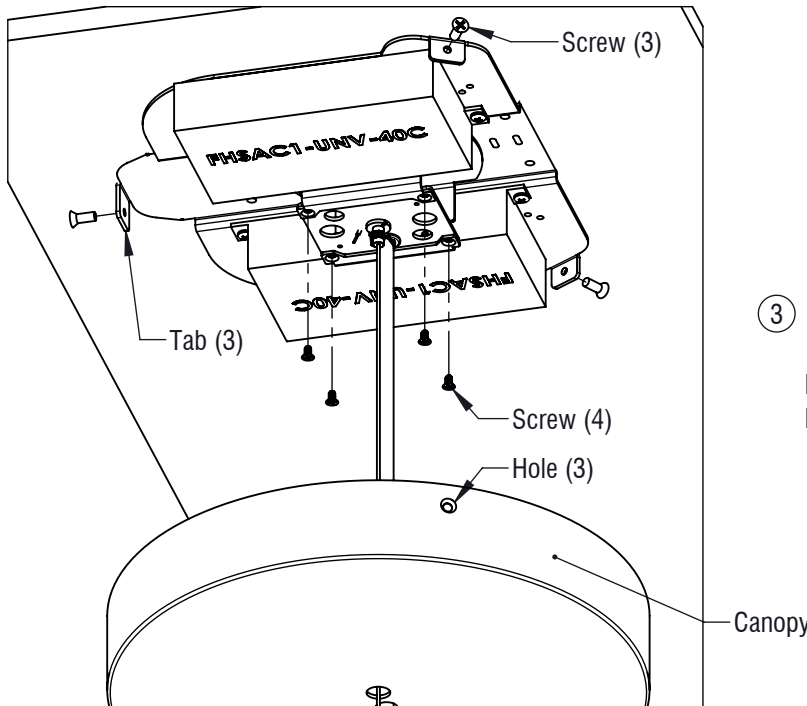
NOTES:

Do not energize luminaire until installation is completed.
General contractor is responsible for providing appropriate anchoring devices to support load of fixture.
Please call customer service for any questions.



- ② Connect power cord to power and tuck wires thru main hole of ceiling bracket.

Slide fixture/stem assembly onto ceiling bracket as shown.



- ③ Secure SPG bracket with screws (4).

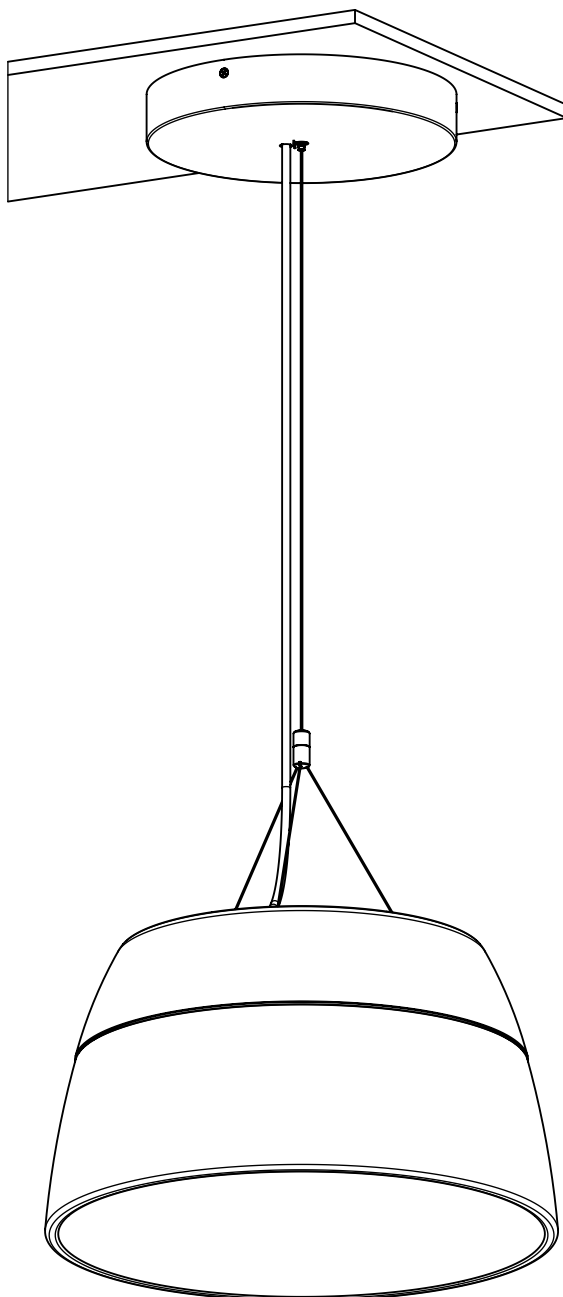
Lift canopy, ensuring to align 3 tabs to 3 holes in spinning. Insert screws (3) and fasten in place by screwing firmly.



Risk of fire and electrical shock.
Disconnect power at electrical panel before servicing.
Fixture must be installed by a qualified electrician only in accordance with national, local building and electrical codes.

NOTES:

Do not energize luminaire until installation is completed.
General contractor is responsible for providing appropriate anchoring devices to support load of fixture.
Please call customer service for any questions.

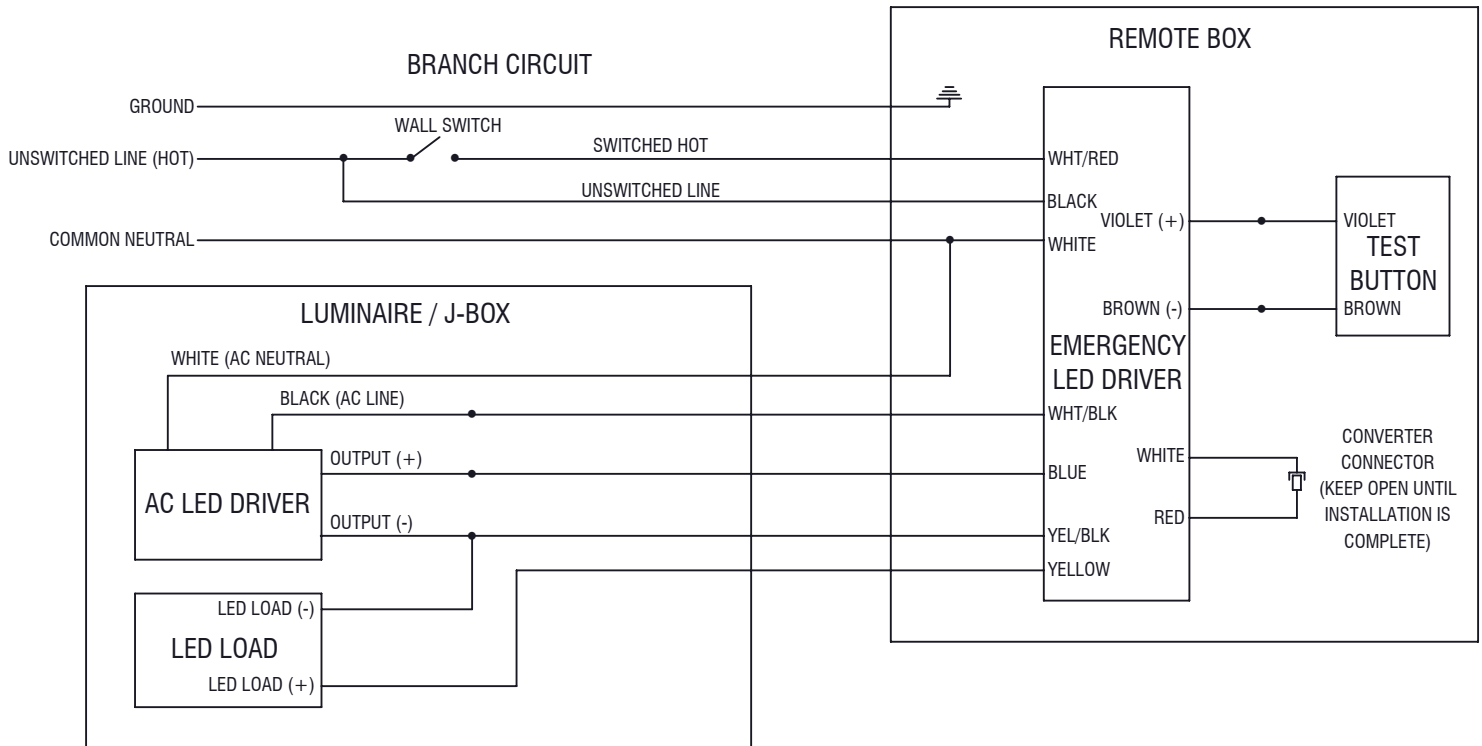


Risk of fire and electrical shock.
Disconnect power at electrical panel before servicing.
Fixture must be installed by a qualified electrician only in
accordance with national, local building and electrical codes.

NOTES:

Do not energize luminaire until installation is completed.
General contractor is responsible for providing
appropriate anchoring devices to support load of fixture.
Please call customer service for any questions.

WIRING DIAGRAM



Risk of fire and electrical shock.
Disconnect power at electrical panel before servicing.
Fixture must be installed by a qualified electrician only in accordance with national, local building and electrical codes.

NOTES:

Do not energize luminaire until installation is completed.
General contractor is responsible for providing appropriate anchoring devices to support load of fixture.
Please call customer service for any questions.

INTRODUCTION TO DMX/RDM

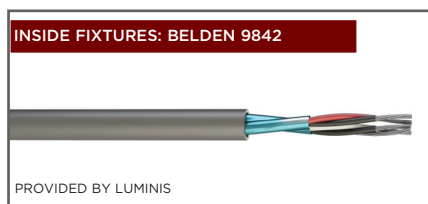
DMX¹ is a 3-wired unidirectional digital protocol based on RS-485. The DMX address of each DMX fixture is usually set manually on the fixture itself. RDM is an extension to DMX that allows bi-directional communication and the ability to change the DMX address remotely with an RDM controller.



CABLE REQUIREMENTS

USE ONLY DEDICATED RS-485 DMX CABLE AND ENSURE THAT DMX CABLES DO NOT RUN IN THE SAME ENCLOSURE AS CLASS 1 CIRCUITS, SUCH AS MAIN POWER.

- 24 AWG
- Use odd number of Twisted Pair wire - See figure A
- Capacitance of 11 pF/ft or less
- 120 ohm typical impedance - See figure B
- Shielding around each twisted pair
- During installation, untwist the pairs as little as possible



*or equivalent; it is the responsibility of the installer to select and provide a DMX cable that fits the RS-485 standard requirements. Luminis will not be liable for any issues caused by unsuitable cable selection or incorrect wiring.

FIGURE A - USING SHIELDED TWISTED PAIR WIRE WILL REDUCE THE RISK OF EXTERNAL INTERFERENCE PICK-UP (I.E. FLICKERING, STROBING, ETC)

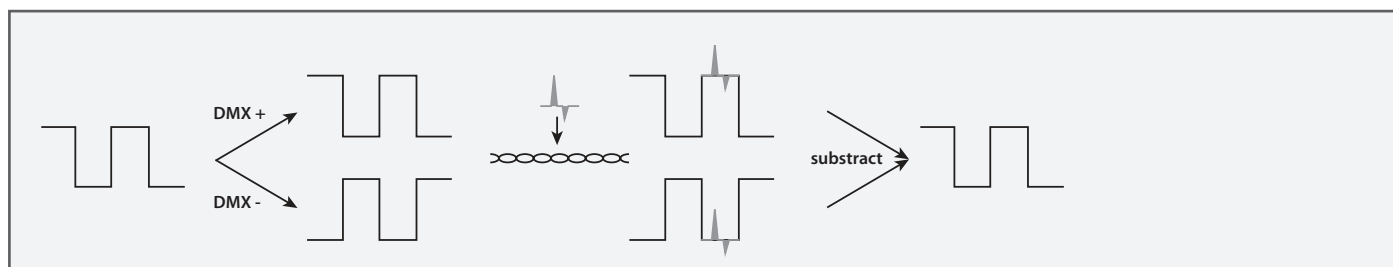
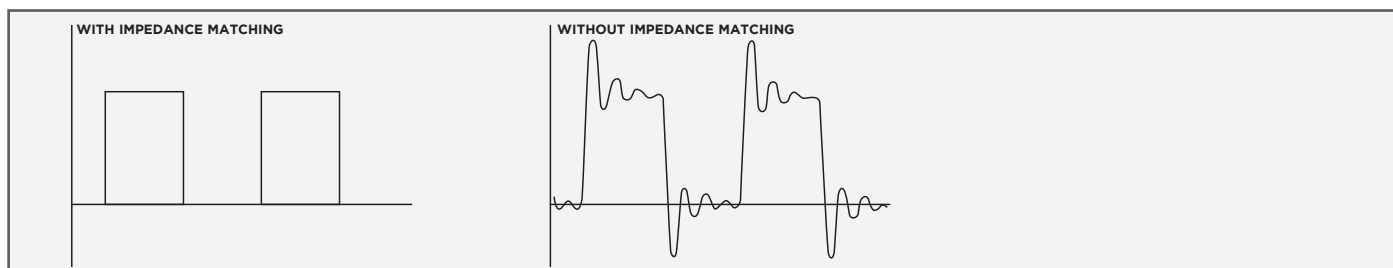
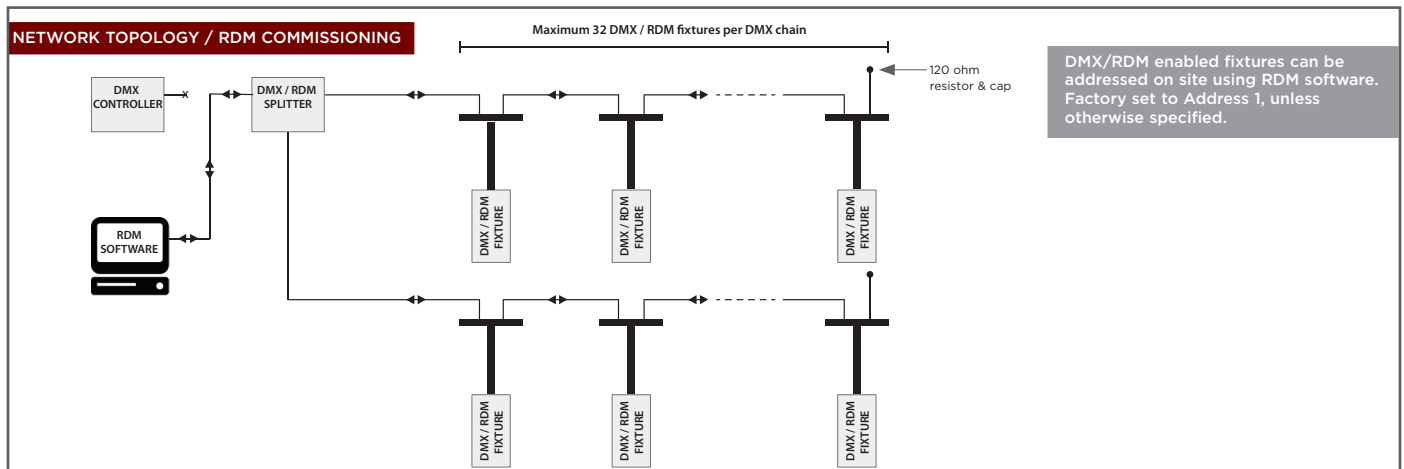
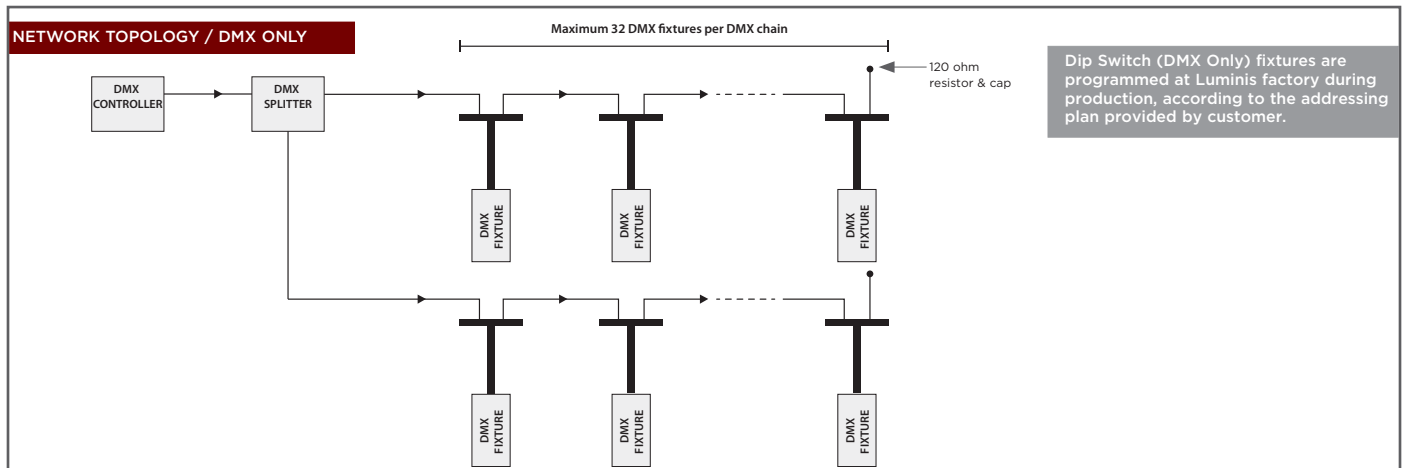


FIGURE B - USING CABLES WITH THE SAME TYPICAL IMPEDANCE WILL REDUCE THE RISK OF SIGNAL REFLECTIONS



NETWORK TOPOLOGY

- Use a DMX splitter to connect multiple DMX chains. [Example of DMX splitter: DIN-RDS4 from Enttec]
- Limit the number of DMX fixtures to a maximum of 32 per DMX chain.
- Limit the cabling between the last DMX fixture and the DMX controller to less than 1000'.
- Terminate end of line with a 120 ohm resistor and cap DMX shield after the last DMX fixture.



HOW TO WIRE A DMX FIXTURE

ACCORDING TO THE NATIONAL ELECTRICAL CODE ART. 800.133², COMMUNICATION CABLES SHALL NEVER RUN IN THE SAME JUNCTION BOX, RACEWAY, CABLE TRAY OF ANY KIND OF ENCLOSURE WITH CLASS 1 CIRCUITS, SUCH AS AC MAIN POWER LINES.

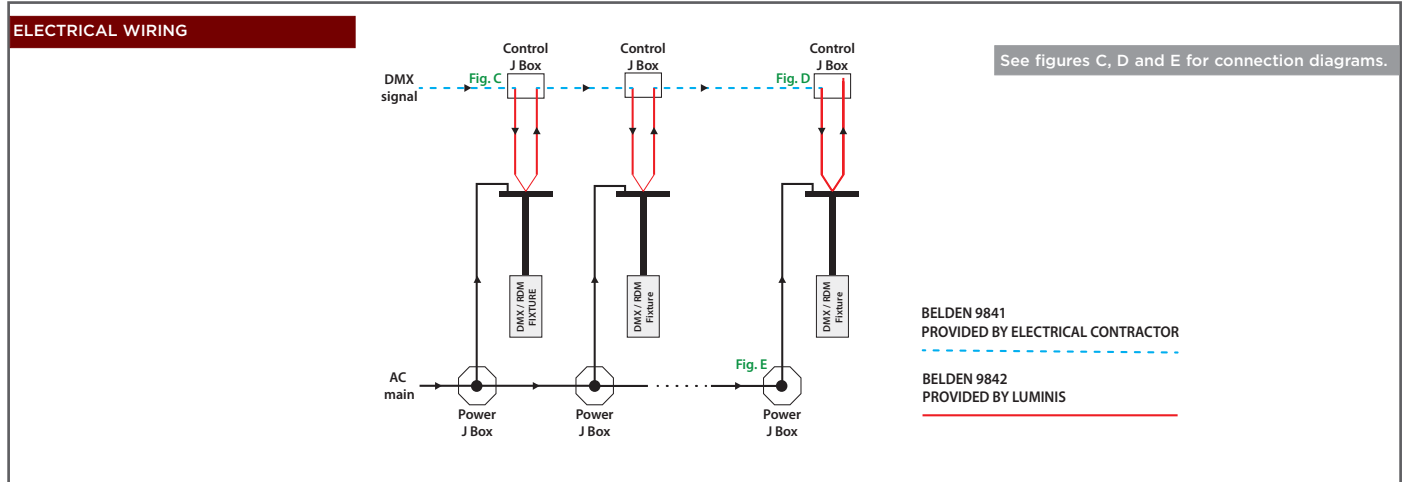


FIGURE C - DMX SIGNAL / BETWEEN FIXTURES

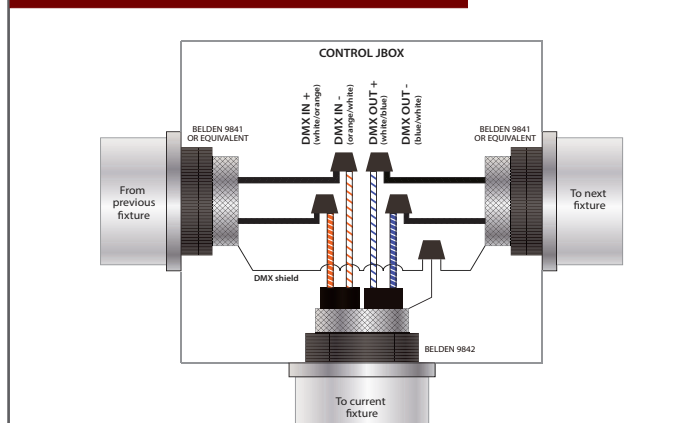


FIGURE D - DMX SIGNAL / LAST FIXTURE

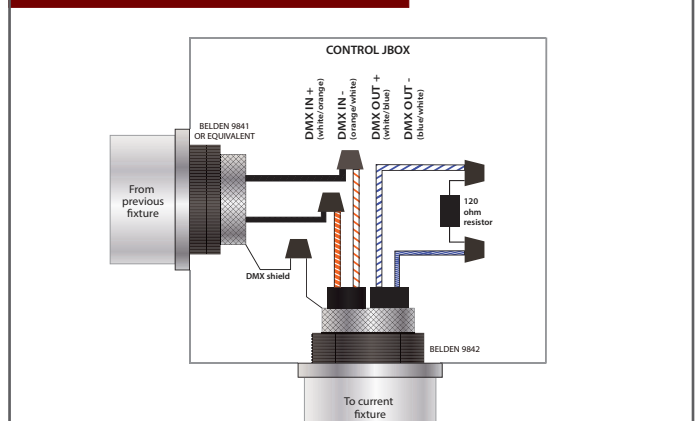
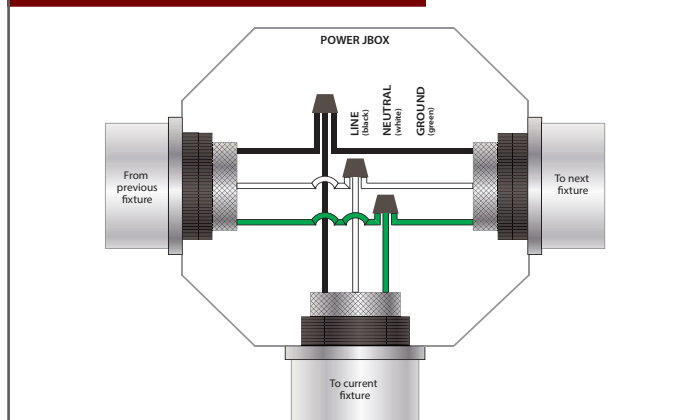


FIGURE E - MAIN POWER CONNECTIONS



In case of any questions regarding this document, please contact your Luminis sales representative.

¹ DMX standard, as defined in ANSI E1.11-2009 (R2013)

² National Electrical Code, 2014 edition