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INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS. READ AND SAVE THESE INSTRUCTIONS.



CAUTION – RISK OF FIRE – RISK OF SHOCK
– RISK OF PERSONAL INJURY. DISCONNECT
POWER BEFORE SERVICING. FIXTURE MUST
BE INSTALLED IN ACCORDANCE WITH
NATIONAL ELECTRICAL CODE (NEC).



THIS PRODUCT MUST BE INSTALLED IN
ACCORDANCE WITH THE APPLICABLE
INSTALLATION CODE BY A PERSON
FAMILIAR WITH THE CONSTRUCTION AND
OPERATION OF THE PRODUCT AND THE
HAZARDS INVOLVED. CONSULT A
QUALIFIED ELECTRICIAN TO ENSURE
CORRECT BRANCH CIRCUIT CONDUCTOR.
GENERAL CONTRACTOR IS RESPONSIBLE
FOR PROVIDING APPROPRIATE
ANCHORING DEVICES TO SUPPORT LOAD
OF FIXTURES.

One set of installation instructions is provided
per order line. Note that all technical
document and installation instructions are
available on the website: www.luminis.com.

Should you require help of assistance, please
contact your Luminis representative at:
1-(866)-LUMINIS | 514 683-3883
info@luminis.com

CAN ICES-005 (A) / NMB-005 (A)

FCC Compliance Statement: This device complies with
part 15 of the FCC Rules. Operation is subject to the
following two conditions: (1) This device may not
cause harmful interference, and (2) this device must
accept any interference received, including interfer-
ence that may cause undesired operation. This
equipment has been tested and found to comply with
the limits for a Class A digital device, pursuant to part
15 of the FCC Rules. These limits are designed to
provide reasonable protection against harmful
interference when the equipment is operated in a
commercial environment. This equipment generates,
uses, and can radiate radio frequency energy and, if
not installed and used in accordance with the
instruction manual, may cause harm-ful interference
to radio communications. Operation of this
equipment in a residential area is likely to cause
harmful interference in which case the user will be
required to correct the interference at his own
expense.

ISED Canada Statement

This class A lighting equipment complies with
Innovation, Science and Economic Development
(ISED) Canada Stan-dard for radio interference-caus-
ing equipment ICES-005, 5th edition.

INSTRUCTIONS D'INSTALLATION

MESURES DE SÉCURITÉ À RESPECTER. LIRE ET CONSERVER CES INSTRUCTIONS.



ATTENTION – RISQUE D'INCENDIE –
RISQUE DE CHOC – RISQUE DE BLESSURE.
COUPER L'ALIMENTATION AVANT
L'ENTRETIEN. LE DISPOSITIF DOIT ÊTRE
INSTALLÉ CONFORMÉMENT AU
«NATIONAL ELECTRICAL CODE» (NEC).



CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE
CODE D'INSTALLATION PERTINENT, PAR
UNE PERSONNE QUI CONNAÎT BIEN LE
PRODUIT ET SON FONCTIONNEMENT
AINSI QUE LES RISQUES INHÉRENTS.
CONSULTER UN ÉLECTRICIEN QUALIFIÉ
POUR VOUS ASSURER QUE LES
CONDUCTEURS DE LA DÉRIVATION SONT
ADÉQUATS. L'ENTREPRENEUR GÉNÉRAL
EST RESPONSABLE DE FOURNIR LES
ANCRAGES APPROPRIÉS POUR
SUPPORTER LA CHARGE DU LUMINAIRE.

Une copie des instructions d'installation est
fournie par ligne de commande. Veuillez noter
que tous les documents techniques ainsi que
les instructions d'installation sont disponibles
en ligne: www.luminis.com.

En cas de besoin d'assistance, veuillez
contacter votre représentant Luminis:
1-(866)-LUMINIS | 514 683-3883
info@luminis.com

CAN ICES-005 (A) / NMB-005 (A)

Déclaration de conformité FCC: Cet appareil est
conforme avec les parties 15 des règlements établies
par la FCC. L'utilisation est sujette aux conditions
suivantes: (1) cet appareil ne doit pas causer
d'interférence nuisible et (2) cet appareil doit accepter
toute interférence reçue, incluant de l'interférence
cause une opération non désirée. Il a été testé et est
conforme aux limites de la Classe A des appareils
digitaux, conformément à la partie 15 des règlements
de la FCC. Ces limites fournissent une protection
raisonnable contre les interférences nuisibles lorsque
l'appareil est utilisé dans un environnement commer-
cial. Cet appareil génère, utilise et peut émettre de
l'énergie radiofréquence et, s'il n'est pas installé et
utilisé conformément au manuel d'instructions, il peut
causer des interférences nuisibles aux communi-
cations radio. L'utilisation de cet appareil dans une zone
résidentielle est susceptible de provoquer des
interférences nuisibles, auquel cas l'utilisateur sera
tenu de corriger les interférences à ses frais.

Déclaration pour ISED Canada

Ce matériel d'éclairage de classe A est conforme avec
la norme sur le matériel brouilleur radio NMB-005,
5ième édition, publié par innovation, science et
développement économique (ISED) Canada.

INSTRUCCIONES DE INSTALACIÓN

INSTRUCCIONES DE SEGURIDAD. LEA Y CONSERVE ESTAS INSTRUCCIONES.



PRECAUCION – RIESGO DE INCENDIO –
RIESGO DE CHOQUE ELECTRICO – RIESGO
DE DANO PERSONAL. DESCONECTAR LA
ENERGIA ANTES DEL SERVICIO. EL
PRODUCTO DEBE INSTALARSE DE
ACUERDO CON EL CODIGO NACIONAL DE
ELECTRICIDAD (NEC).



ESTE PRODUCTOR DEBE SER INSTALADO
SEGUN EL CODIGO DE INSTALACION
APLICABLE POR UNA PERSONA QUE
CONOZCA LA CONSUSSION Y EL
FUNCIONAMIENTO DEL PRODUCTO Y LOS
RIESGOS QUE SUPONE. CONSULTAR A UN
ELECTRICISTA CALIFICADO PARA
ASEGURAR LA ELECCION DEL
CONDUCTOR DE CIRCUITO DERIVADO. EL
CONTRATISTA GENERAL ES RESPONSABLE
DE PROPORCIONAR LOS ANCLAJES
APROPIADOS PARA SOPORTAR LA CARGA
DE LA LUMINARIA.

Se proporciona una copia de las instrucciones
de instalación mediante la línea de comandos.
Tenga en cuenta que todos los documentos
técnicos y las instrucciones de instalación
están disponibles en línea: www.luminis.com.

Si necesita ayuda, comuníquese con su
representante de Luminis:
1-(866)-LUMINIS | 514 683-3883
info@luminis.com

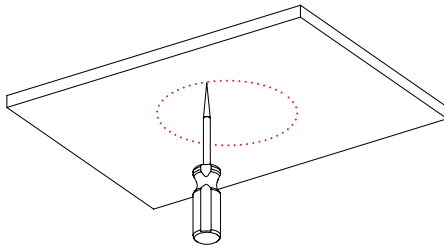
CAN ICES-005 (A) / NMB-005 (A)

Declaración de conformidad con la FCC: este dispositi-
vo cumple con la Parte 15 de las normas de la FCC. El
uso está sujeto a las siguientes condiciones: (1) este
dispositivo no puede causar interferencias dañinas y
(2) este dispositivo debe aceptar cualquier interferen-
cia recibida, incluidas las que puedan causar un
funcionamiento no deseado. Se ha probado y se ha
determinado que cumple con los límites de la Clase A
para dispositivos digitales, de conformidad con la
parte 15 de las normas de la FCC. Estos límites brindan
una protección razonable contra interferencias
perjudiciales cuando el dispositivo se utiliza en un
entorno comercial. Este dispositivo genera, usa y
puede irradiar energía de radiofrecuencia y, si no se
instala y usa de acuerdo con el manual de
instrucciones, puede causar interferencias perjudicia-
les en las comunicaciones por radio. Es probable que
el uso de este dispositivo en un área residencial cause
interferencia dañina, en cuyo caso el usuario deberá
corregir la interferencia a su cargo.

Declaración para ISED Canadá

Este equipo de iluminación de clase A cumple con el
estándar de equipos que causan interferencias de
radio ICES-005, quinta edición, publicado por
Innovation, Science and Economic Development
(ISED) de Canadá.



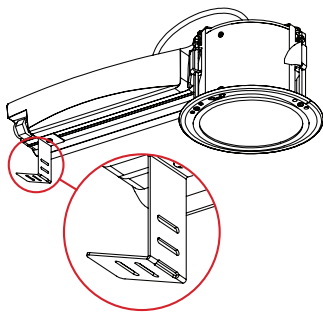


- 1 Cut a circular opening in the ceiling.

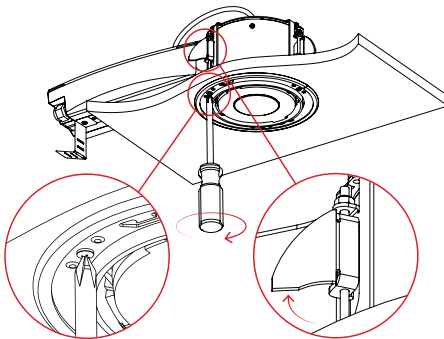
DIMENSIONS OF OPENING:

OC750-CPB: Ø 7.5"

OC950-CPB: Ø 9.5"

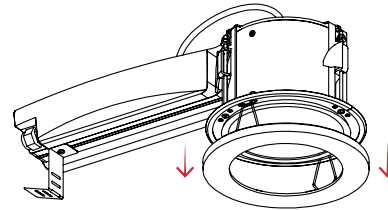


- 3 Adjust driver support bracket to the ceiling thickness (pre-bent for 0.5" ceilings).

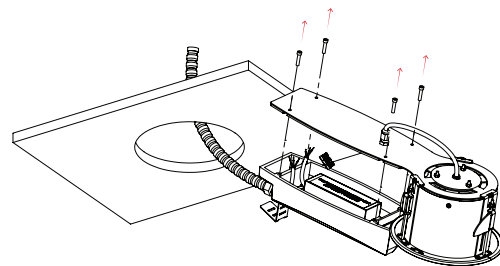


- 5 Screw the clamp screws (3) clockwise to lock the clamps on the ceiling.

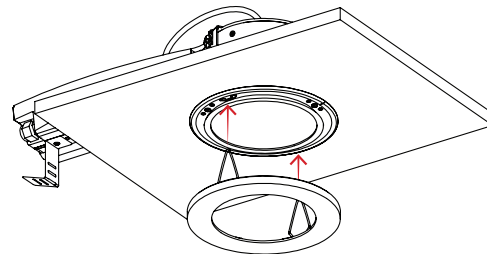
MAXIMUM WEIGHT: 17.1lb



- 2 Remove the finishing trim by first pulling down on it then push the spring inward.

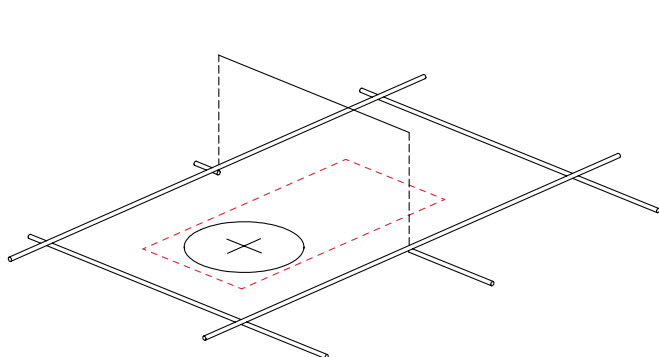


- 4 Remove the junction box cover and pull the wires out for better access. Install the flexible armored cable and fitting (not supplied) onto the junction box. Make the electrical connections (wire nuts not supplied) then replace the cover.



- 6 Install the finishing trim by aligning the springs in the slots and pushing in.



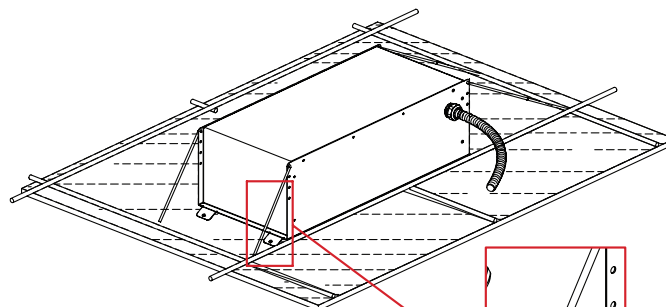


- 1 Locate fixture position and remove any obstacles

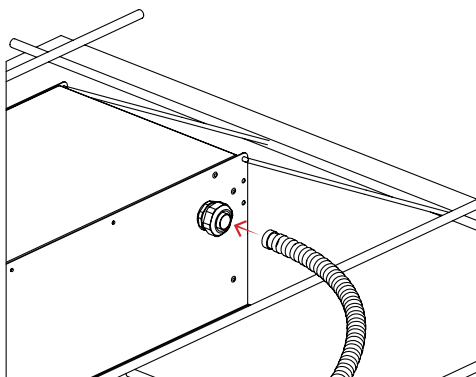
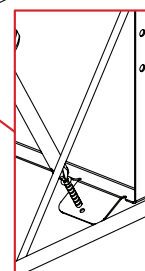
DIMENSIONS OF BOX (L X W X H):

OC750-CPB: 24.3" X 10.1" X 7.5"

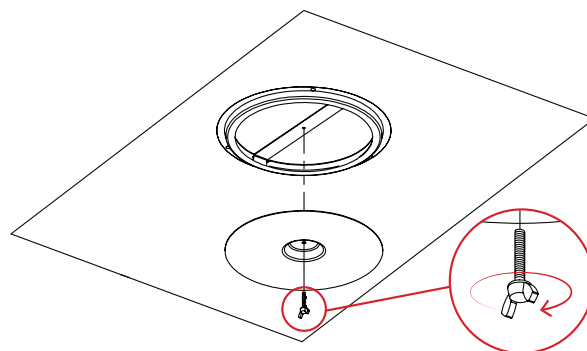
OC950-CPB: 26.3" X 12.1" X 8.5"



- 2 Secure concrete pour box to temporary wooden ceiling board with screws (not included).



- 3 Route electrical wires through waterproof armored cable connector
- 4 Pour concrete and after it dries, remove temporary board.
Note: If necessary, contact structural engineer for details.



- 5 Cut excess screws below ceiling level and finish concrete ceiling.
- 6 Remove bottom cover by unscrewing wing nut. Remove crossbar by pushing it in.

MAXIMUM WEIGHT: 14.8 lb

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. Factory 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)

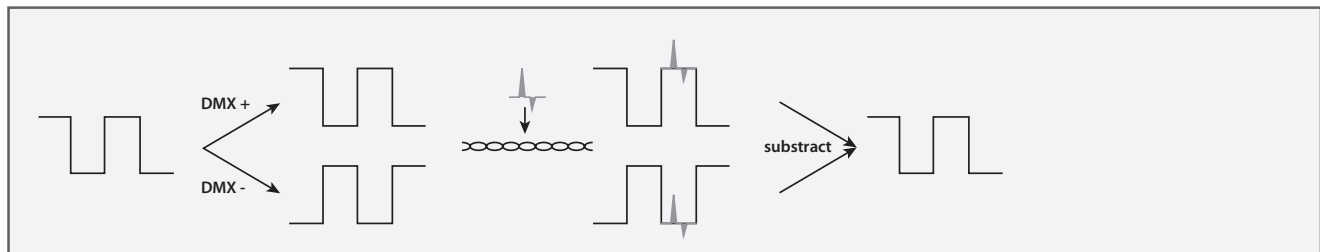
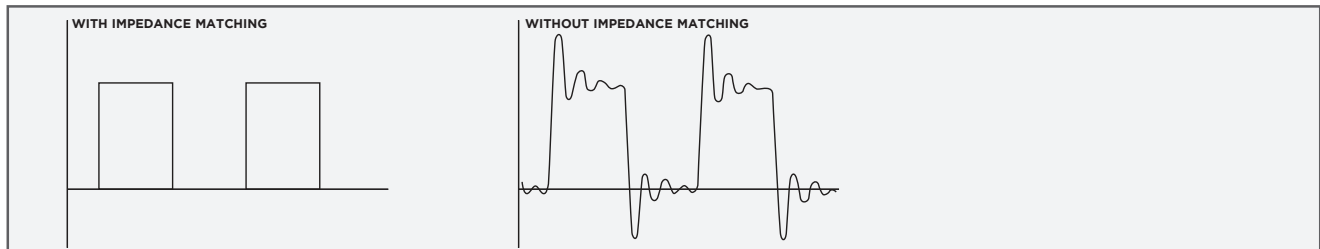
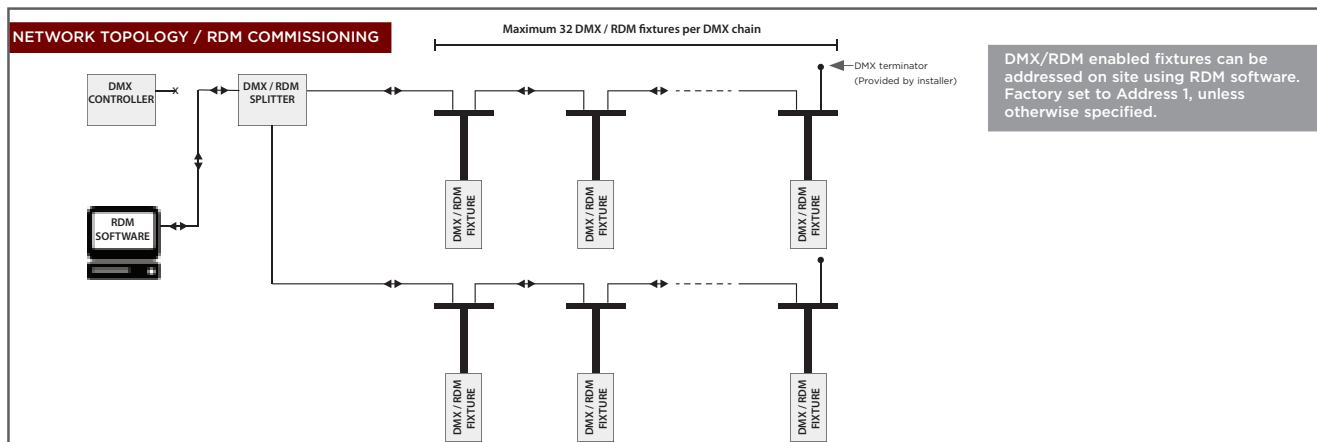
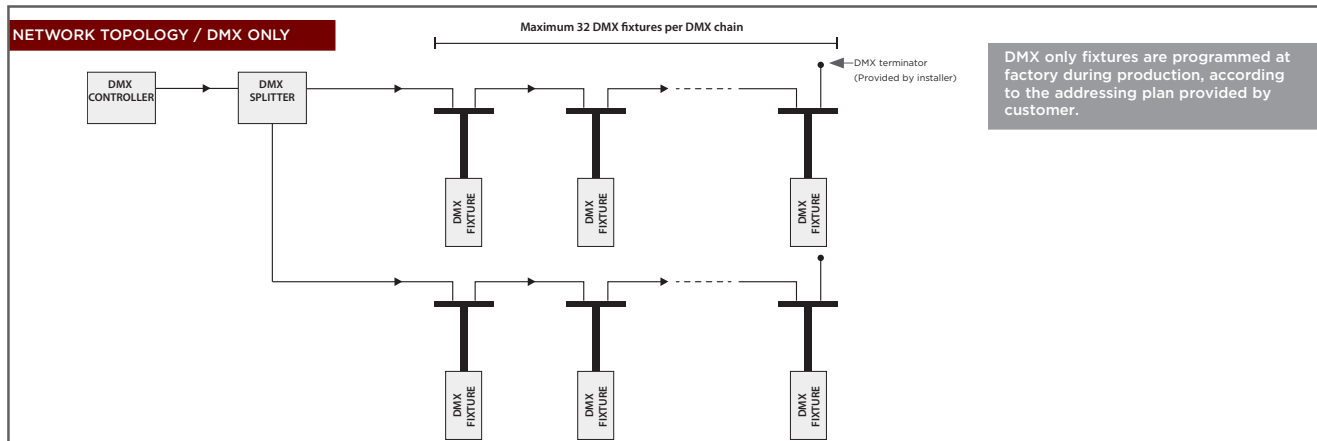


FIGURE B - USING CABLES WITH THE SAME TYPICAL IMPEDANCE WILL REDUCE THE RISK OF SIGNAL REFLECTIONS



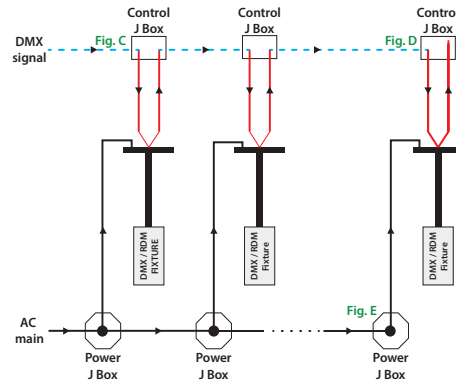
NETWORK TOPOLOGY

- 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 DMX terminator and cap DMX shield after the last 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.

ELECTRICAL WIRING



See figures C, D and E for connection diagrams.

BELDEN 9841
PROVIDED BY INSTALLER

BELDEN 9842
PROVIDED BY FACTORY

FIGURE C - DMX SIGNAL / BETWEEN FIXTURES

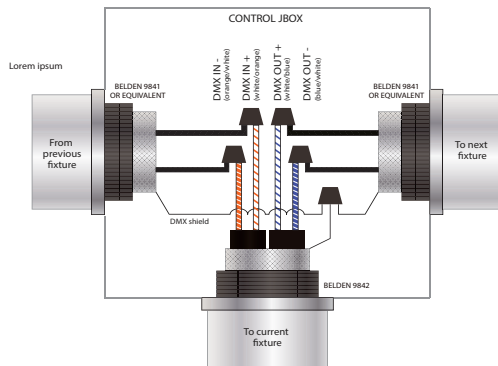


FIGURE D - DMX SIGNAL / LAST FIXTURE

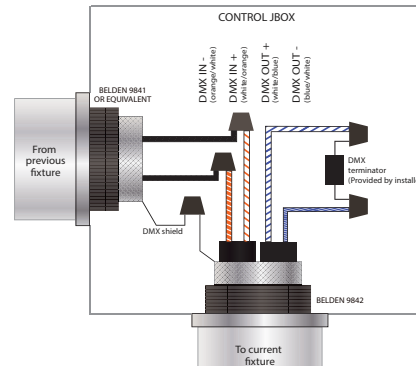
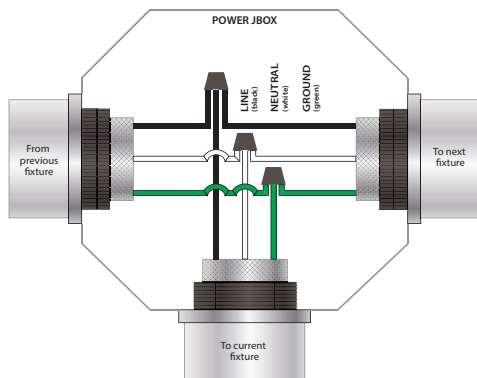


FIGURE E - MAIN POWER CONNECTIONS



In case of any questions regarding this document, please contact factory.

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

² National Electrical Code, 2014 edition