REMOTE DRIVER BOX

Lumenwerx

RDB - Remote Driver Box

RDB24 / RDB24E

24"
26"

Front view

RDB18

18"
20"

Front view

3 3/4"
2 3/8"

Side view

RDB24W

24"
26"

Front view

3 3/4"
5 1/32"
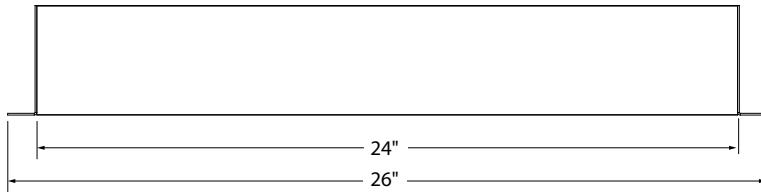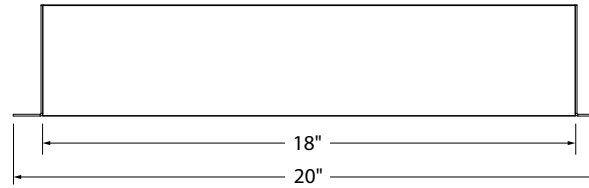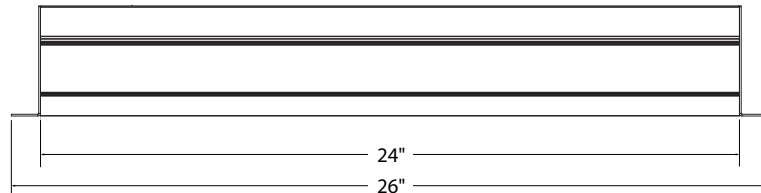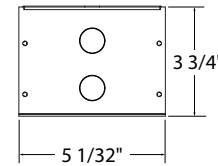
Side view

RDBC - Remote Driver Box

RDBCS

2 15/16"
1 5/8"
8 1/8"

RDBCM

5 3/8"
1 5/8"
8 1/8"

RDBCL

8"
1 5/8"
8 1/8"

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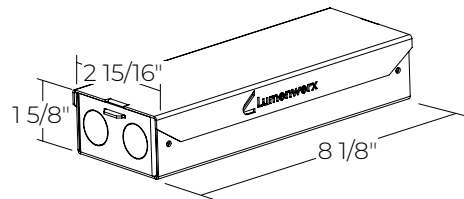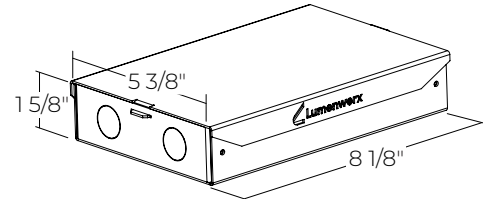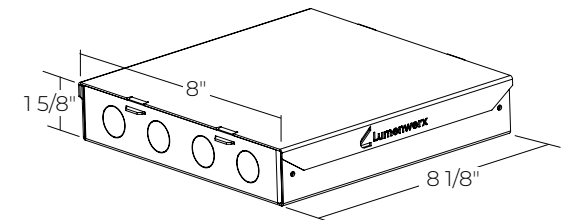
REMOTE DRIVER BOX

RDBL - Remote Driver Box

RDBLS

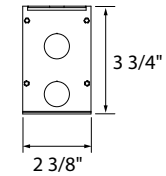2 5/8"
9/16"
15 1/2"

RDBLM

3 3/8"
1 9/16"
15 1/2"

RDBLL

4 1/8"
1 9/16"
21 1/8"

RDB2LM

1 9/16"
6 5/8"
15 1/2"

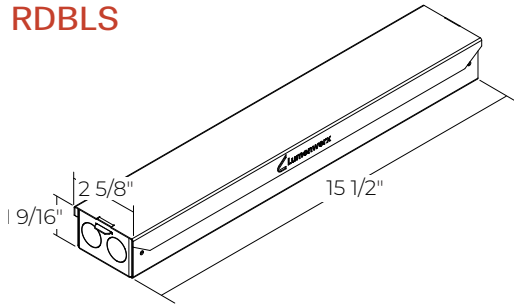## RDB2LL

1 9/16"
8"
21 1/8"

RDB3LM

1 9/16"
9 7/8"
15 1/2"

RDB3LL

1 9/16"
12 3/16"
21 1/8"

REMOTE DRIVER BOX

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Wiring

Wire Color	Function
High - Voltage	
Green	Ground
White	Neutral
Black	Line
LED output	
Red	LED 1 + (single driver)
Blue	LED 1 - (single driver)
White	LED 2 +(multiple driver)
Black	LED 2 - (multiple driver)
Dimming	
Purple	Dim + (optional)
Pink or Gray	Dim - (optional)

Exploded View

Shown with RDB18

Cover

Plenum cable strain relief bushing
Provided by others

Canopy J-box

Plenum cable goes to luminaire

Remote driver box

Driver fixed to the driver box with brackets

BX cables - by others
*Max wiring distance documentation found on the Lumenwerx website.

Canopy connecting to branch circuit
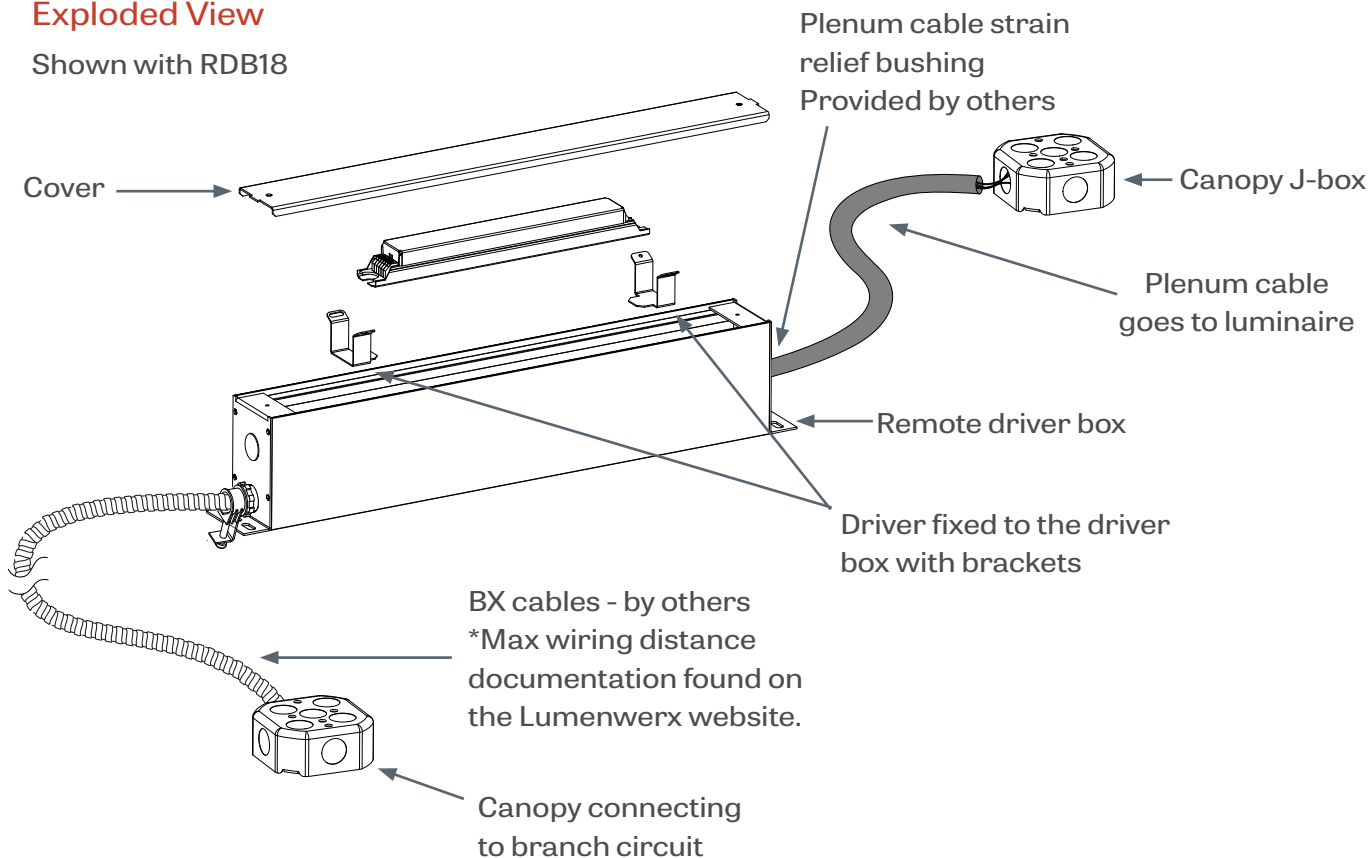
Continuous Run Installation

Plenum cable by others

Driver Box

J-Box

Single Fixture Installation

Plenum cable by others

Driver Box

J-Box

To branch circuit connection
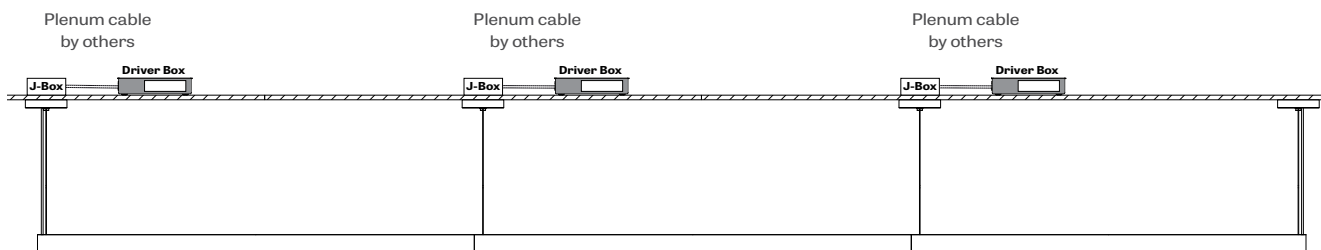
WARNING RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

PLEASE NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING APPROPRIATE ANCHORING RODS TO SUPPORT LOAD OF FIXTURES DETAILED ON SHOP DRAWING. PLEASE CALL CUSTOMER SERVICE FOR ANY QUESTIONS.

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REMOTE DRIVER BOX

Exploded View
Shown with RDBCM

Wiring

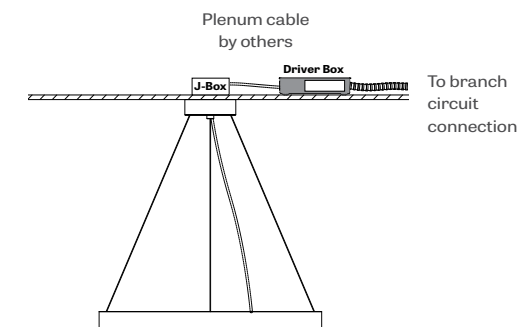| Wire Color	Function
High - Voltage	
Green	Ground
White	Neutral
Black	Line
LED output	
Red	LED 1 + (single driver)
Blue	LED 1 - (single driver)
White	LED 2 +(multiple driver)
Black	LED 2 - (multiple driver)
Dimming	
Purple	Dim + (optional)
Pink or Gray	Dim - (optional)

Cover

Bracket

Plenum cable strain
relief bushing
Provided by others

Canopy J-box

Plenum cable
goes to luminaire

Remote driver box

Driver fixed on to bracket

BX cables - by others
*Max wiring distance
documentation found on
the Lumenwerx website.

Canopy connecting
to branch circuit

PLEASE NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING
APPROPRIATE ANCHORING RODS TO SUPPORT LOAD OF FIXTURES DETAILED ON
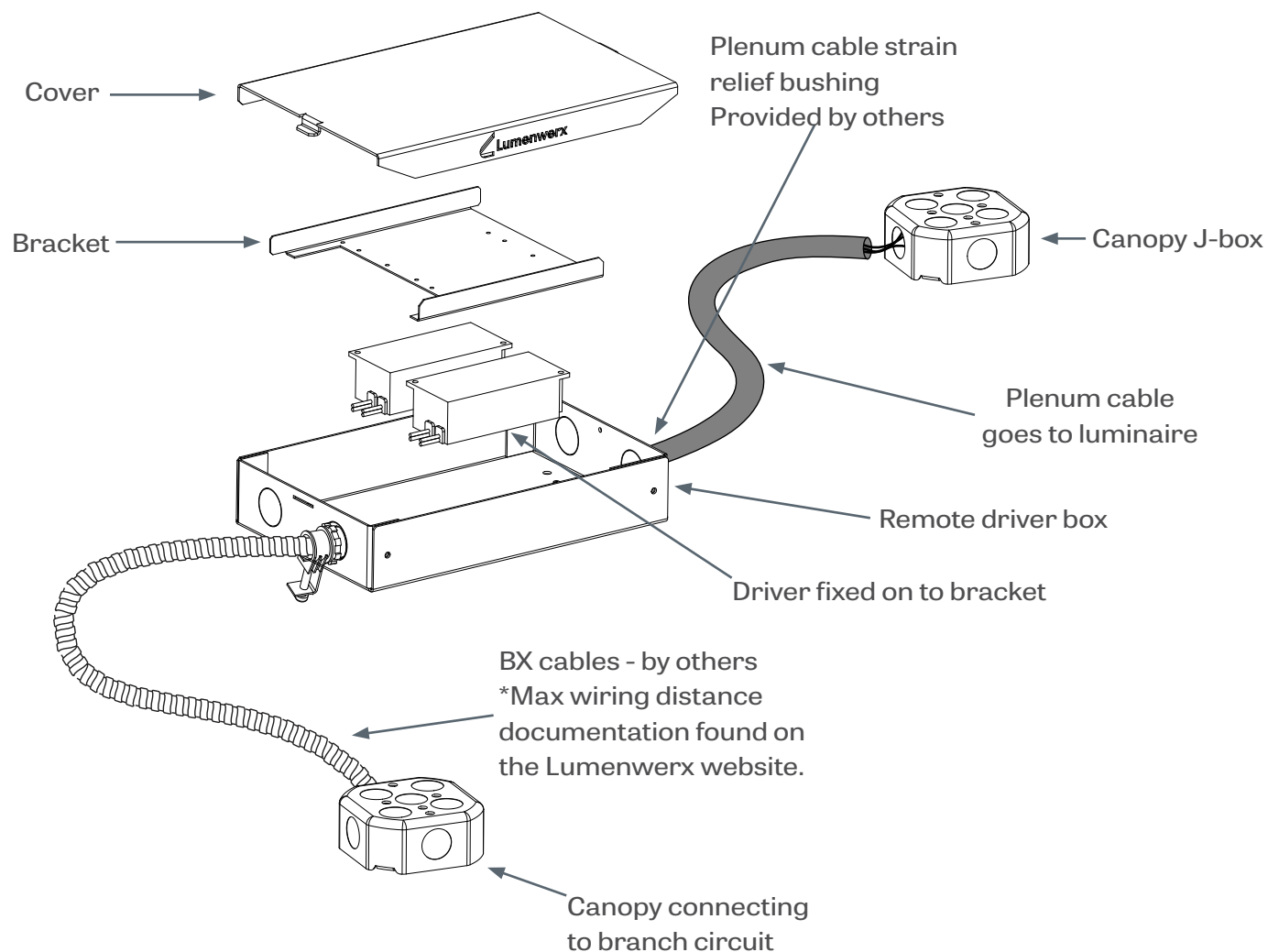SHOP DRAWING. PLEASE CALL CUSTOMER SERVICE FOR ANY QUESTIONS.
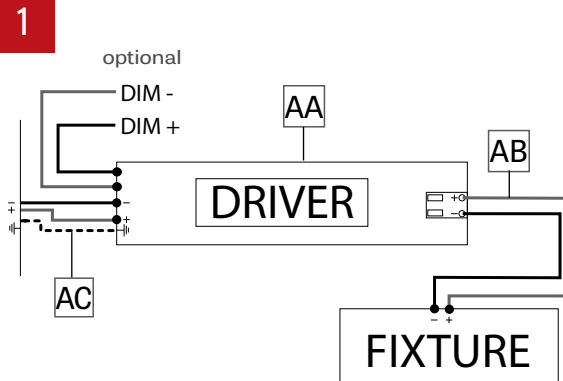
RDB24 - RDB18 - RDB8

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NOTE: Do not connect two or more power supplies in parallel.   Ne pas connecter deux ou plusieurs blocs d'alimentation en parallèle.
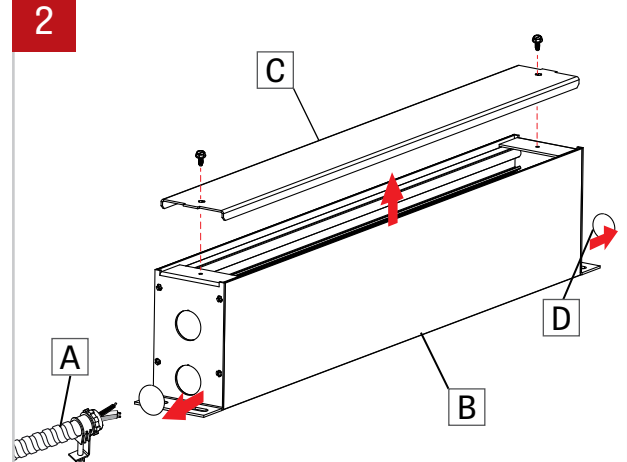
NOTE: Wire dimming conductors as Class 1

⚠️

This product must be installed in accordance with the National Electrical Code and all applicable local codes, by a person familiar with the construction and operation of the product, and the hazards involved. Proper grounding is required for safety.
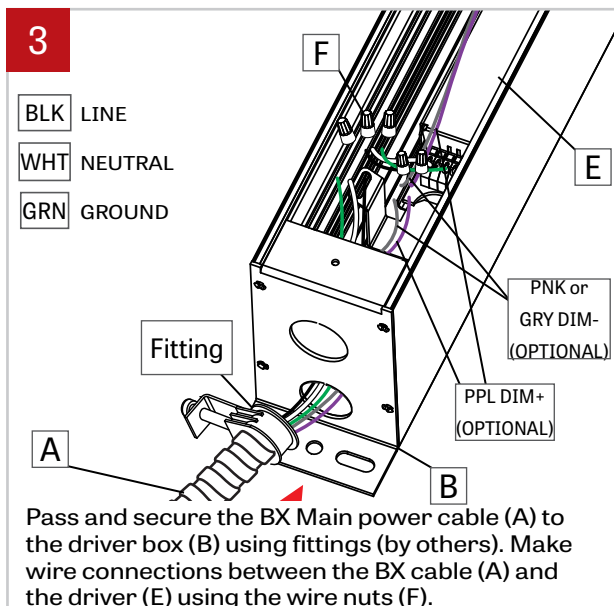
Ce produit doit être installé suivant le code national de l'électricité, ainsi que tous les codes locaux applicables, par une personne familière avec la construction et le fonctionnement du produit, ainsi que tous les risques qui y sont associés. La mise à terre électrique est obligatoire pour la sécurité.

1

optional
DIM -
DIM +
AA
AB
DRIVER
AC
FIXTURE

AA — DRIVER BOX

AB — PLENUM CABLE - By others

AC — BX MAIN POWER CABLE - By others
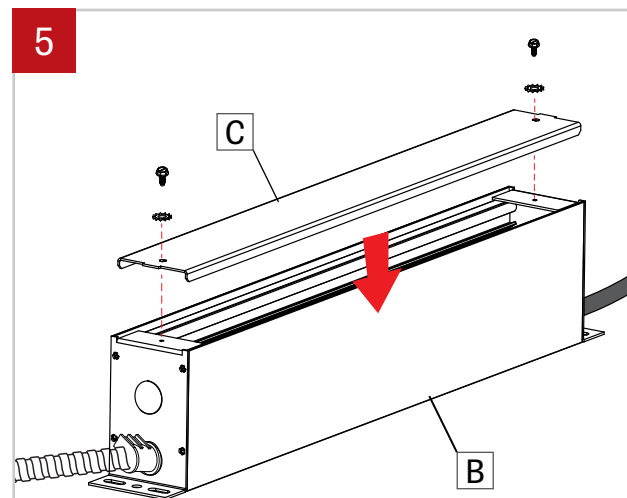
2

C
A
D
B

Bring BX Main power cable (A) (by others) towards the remote driver box (B). Remove lid (C) and remove power knock outs (D). Secure the driver box (B) somewhere safe.

3

BLK — LINE
WHT — NEUTRAL
GRN — GROUND

F
E
PNK or GRY DIM- (OPTIONAL)
PPL DIM+ (OPTIONAL)
Fitting
A
B

Pass and secure the BX Main power cable (A) to the driver box (B) using fittings (by others). Make wire connections between the BX cable (A) and the driver (E) using the wire nuts (F).

4

RED — LED +
BLU — LED -

F
G
E
Fitting
B
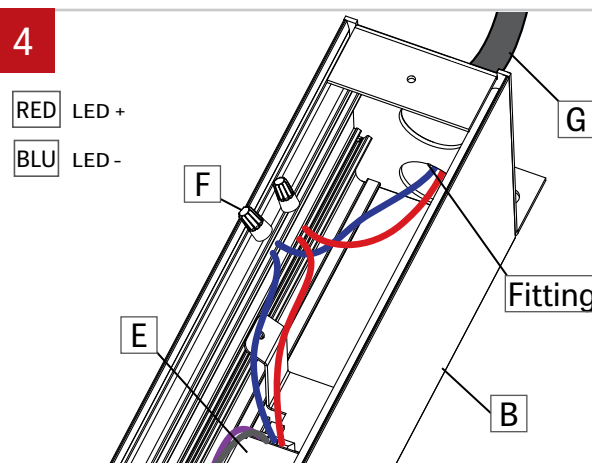
Pass the plenum cable (G) from the fixture through the driver box (B) using fitting (by others). Make wire connections between the plenum cable (G) (by others) and the driver (E) using the wire nuts (F) (by others).

5

C
B
B

Reinstall the lid (C) back onto the driver box (B) by using provided screws and star washers.

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RDB24W

REMOTE DRIVER BOX - INSTALLATION

⚋ Lumenwerx

NOTE: Do not connect two or more power supplies in parallel.   Ne pas connecter deux ou plusieurs blocs d'alimentation en parallèle.

NOTE: Wire dimming conductors as Class 1

⚠️

This product must be installed in accordance with the National Electrical Code and all applicable local codes, by a person familiar with the construction and operation of the product, and the hazards involved. Proper grounding is required for safety.

Ce produit doit être installé suivant le code national de l'électricité, ainsi que tous les codes locaux applicables, par une personne familière avec la construction et le fonctionnement du produit, ainsi que tous les risques qui y sont associés. La mise à terre électrique est obligatoire pour la sécurité.
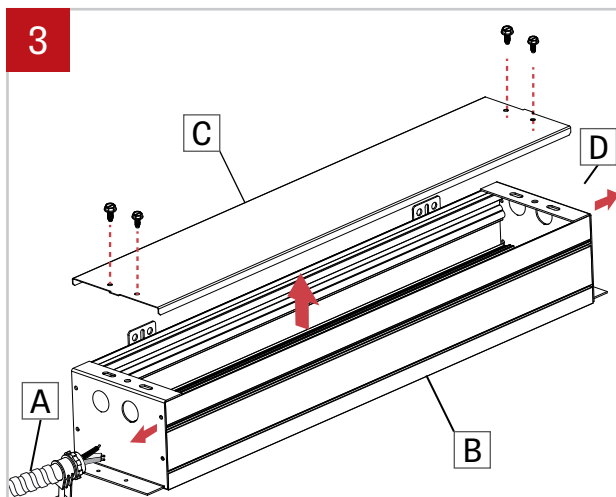
1 SINGLE DRIVER SCHEMATIC DIAGRAM

Optional
DIM -
DIM +
AA
DRIVER
AB
AC
FIXTURE
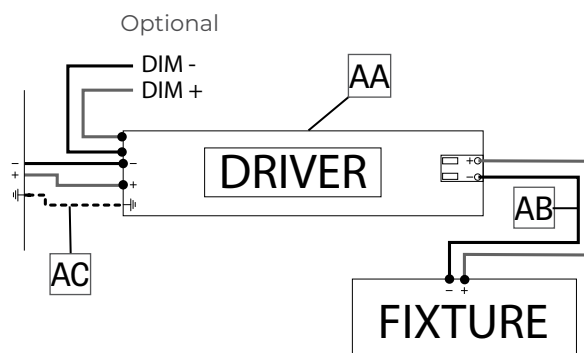
AA – DRIVER BOX
AB – PLENUM CABLE - By others
AC – BX MAIN POWER CABLE - By others

2 MULTIPLE DRIVER SCHEMATIC DIAGRAM

Optional
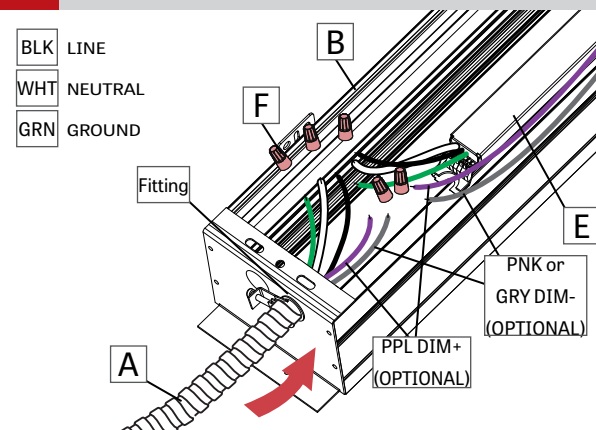DIM -
DIM +
AA
AB
DRIVER
DRIVER
AC
FIXTURE
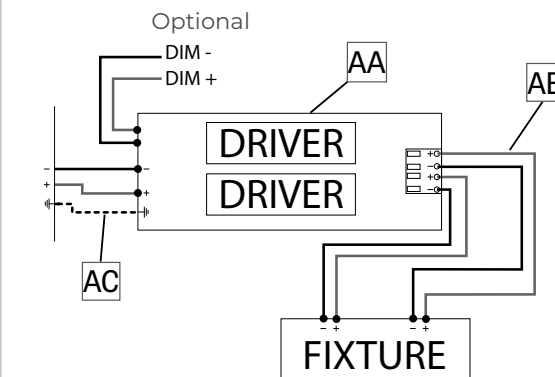
AA – DRIVER BOX
AB – PLENUM CABLE - By others
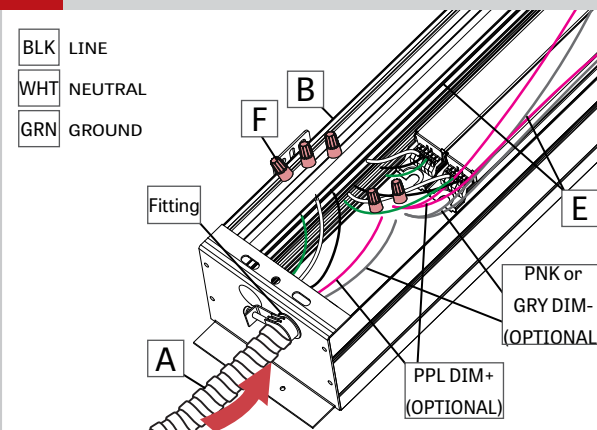AC – BX MAIN POWER CABLE - By others

3

C
D
A
B

Bring BX Main power cable (A) (by others) towards the remote driver box (B). Remove lid (C) and remove power knock out (D). Secure the driver box (B) somewhere safe.
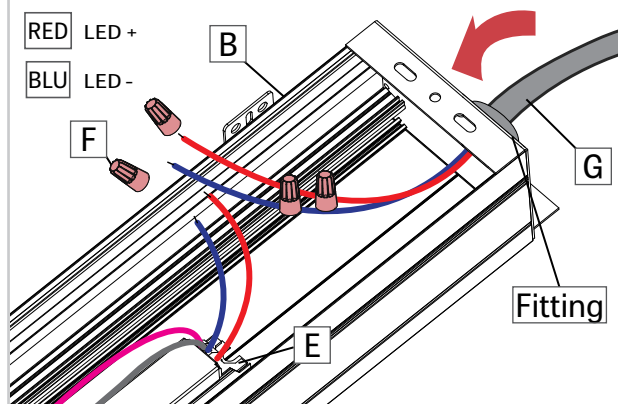
4 SINGLE DRIVER SCENARIO

BLK LINE
WHT NEUTRAL
GRN GROUND

B
F
Fitting
E
PNK or GRY DIM- (OPTIONAL)
A
PPL DIM+ (OPTIONAL)

Pass and secure the BX Main power cable (A) to the driver box (B) using fittings (by others). Make wire connections between the BX cable (A) and the driver (E) using the wire nuts (F).

5 MULTIPLE DRIVER SCENARIO

BLK LINE
WHT NEUTRAL
GRN GROUND

B
F
Fitting
E
PNK or GRY DIM- (OPTIONAL)
A
PPL DIM+ (OPTIONAL)

Pass and secure the BX Main power cable (A) (by others) to the driver box (B) using fittings (by others). Make wire connections between the BX cable (A) and the drivers (E) using the wire nuts (F).

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6 — SINGLE DRIVER SCENARIO

RED — LED +

BLU — LED -

Pass the plenum cable (G) (by others) from the fixture through the driver box (B) using fitting (by others). Make wire connections between the plenum cable (G) and the driver (E) using the wire nuts (F) (by others).
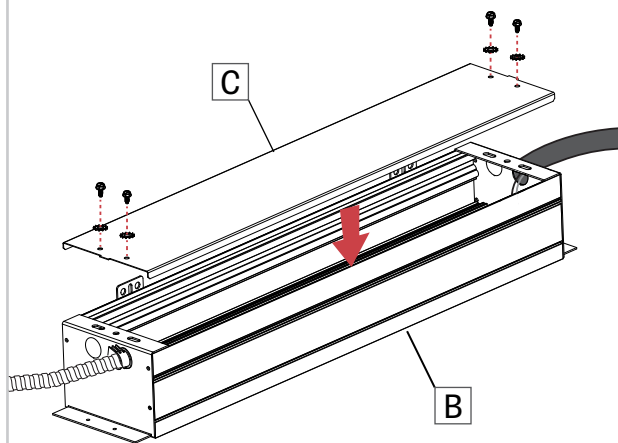
7 — MULTIPLE DRIVER SCENARIO
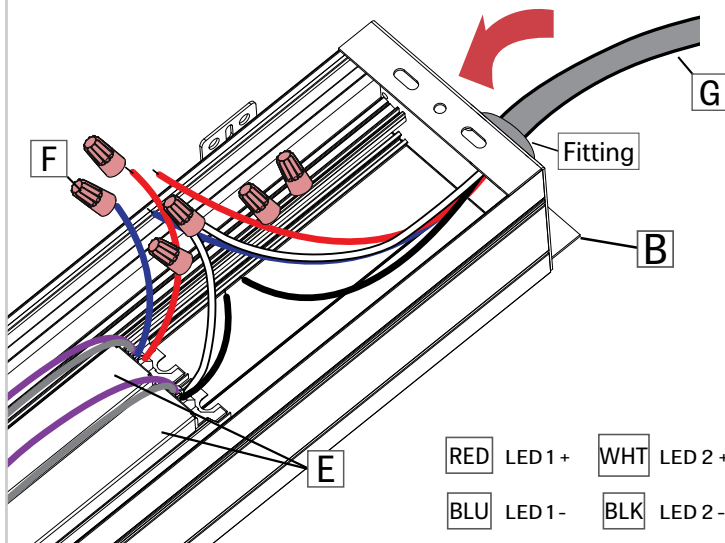
Pass the plenum cable (G) (by others) from the fixture through the driver box (B) using fitting (by others). Make wire conections between the plenum cable (G) and the drivers (E) using the wire nuts (F) (by others).

Two knockout option should be used when multiple inputs or outputs are present.

On input side, multiple circuits must come from a single branch circuit.

RED — LED 1 +   WHT — LED 2 +

BLU — LED 1 -   BLK — LED 2 -

8

Reinstall the lid (C) back onto the driver box (B) by using provided screws and star washers.

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NOTE: Do not connect two or more power supplies in parallel.   Ne pas connecter deux ou plusieurs blocs d'alimentation en parallèle.
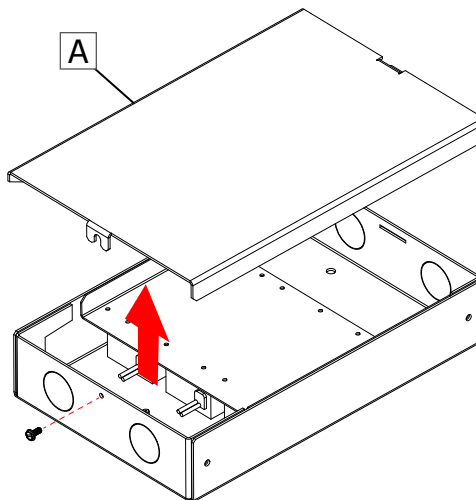
NOTE: Wire dimming conductors as Class 1

⚠️

This product must be installed in accordance with the National Electrical Code and all applicable local codes, by a person familiar with the construction and operation of the product, and the hazards involved. Proper grounding is required for safety.
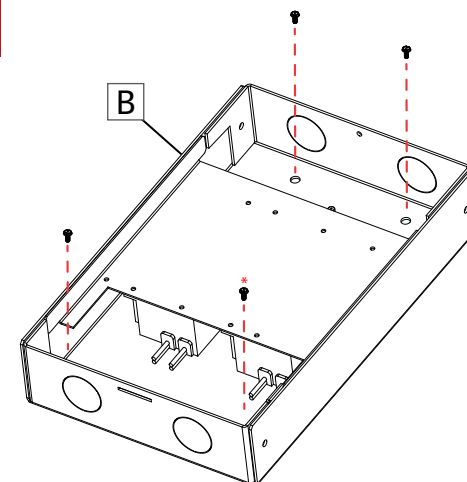
Ce produit doit être installé suivant le code national de l'électricité, ainsi que tous les codes locaux applicables, par une personne familière avec la construction et le fonctionnement du produit, ainsi que tous les risques qui y sont associés. La mise à terre électrique est obligatoire pour la sécurité.
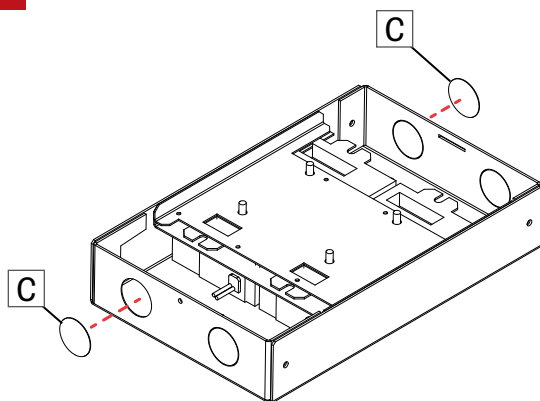
1

A

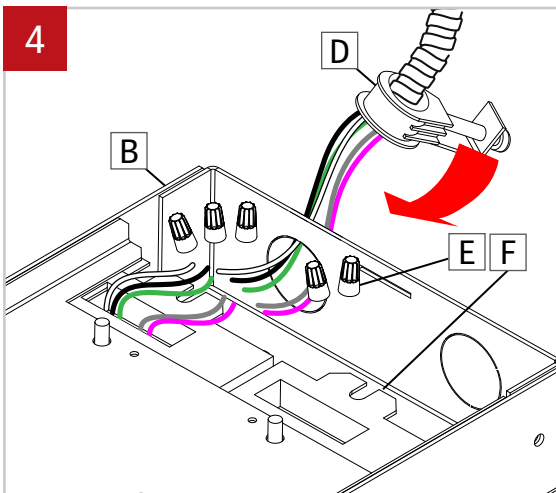Unscrew and remove lid cover (A).

2

B

Locate 4 mounting holes provided on the bottom of the driver box.
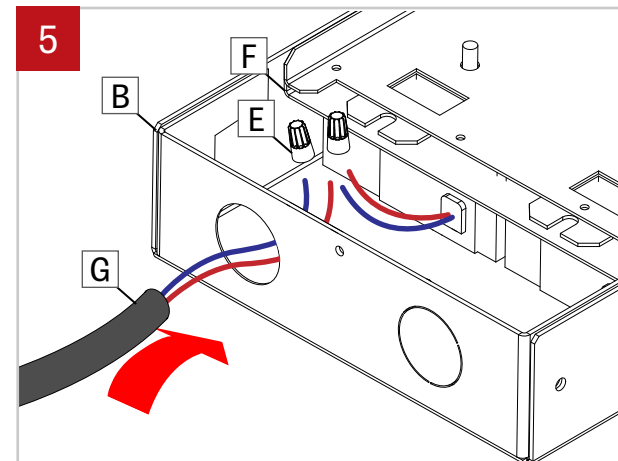Install the driver box (B) according to local code with hardware provided by others (*).

3

C

C

Remove power knock outs (C).

4

D

B

E F

Pass and secure the BX Main power cable (D) to the driver box (B) using fittings (by others). Make wire connections between the BX cable (D) and the driver (F) using the wire nuts (H).
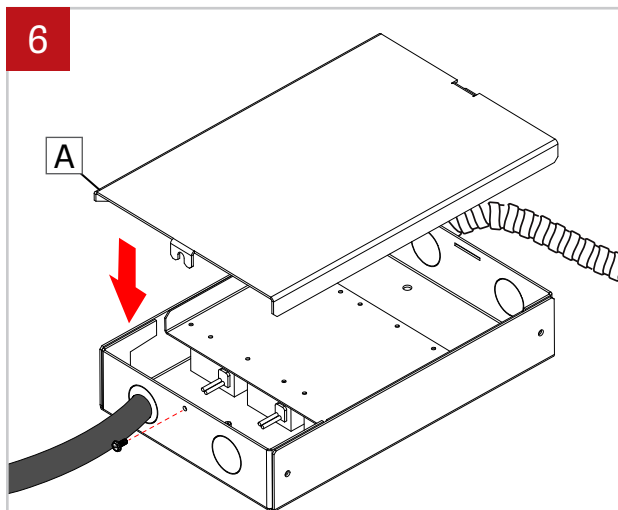
5

F

B

E

G

Pass the plenum cable (G) (by others) from the fixture through the driver box (B) using fitting (by others). Make wire connections between the plenum cable (G) and the driver (F) using the wire nuts (E) (by others).

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NOTE: Wire dimming conductors as Class 1

6

A

Reinstall cover (A) and secure it using the provided screws.

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