

Field Installable Accessory Kit

Note: Components shown in images are representative only and may vary based on the configuration ordered.

The kit is intended for luminaire CBT, CBP and LBP, manufactured by CURRENT.

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BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING / AVERTISSEMENT

RISK OF FIRE OR ELECTRIC SHOCK

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.
- Use only UL approved wires for input and output connections. Minimum size 18AWG (0.75mm²).
- LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

RISQUES D'INCENDIE OU DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire.
- Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.
- Utilisez uniquement des fils approuvés UL pour les connexions d'entrée et de sortie. Taille minimale 18AWG (0,75mm²).
- L'installation du kit de rénovation LED nécessite une connaissance des systèmes électriques des luminaires. Si vous n'êtes pas qualifié, ne tentez pas l'installation. Contactez un électricien qualifié.
- Installez ce kit uniquement dans des luminaires qui ont les caractéristiques de construction et les dimensions indiquées sur les photographies et/ou les dessins et où la valeur nominale d'entrée du kit de rénovation ne dépasse pas la valeur nominale d'entrée du luminaire.
- Seuls les trous ouverts indiqués sur les photographies et/ou les dessins peuvent être faits ou modifiés à la suite de l'installation du kit. Ne laissez aucun autre trou ouvert dans un boîtier de câbles ou de composants électriques.
- Pour éviter d'endommager le câblage ou de l'abrasion, n'exposez pas le câblage aux bords de la tôle ou à d'autres objets pointus.

Save These Instructions

Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

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 interference that may cause undesired operation. CAN ICES-005(A)/NMB-005(A)

Note: 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 harmful 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.

Prepare Electrical Wiring



Electrical Requirements

- The LED luminaire must be connected to the mains supply according to its ratings on the product label.
- Class 1 wiring should be in accordance with NEC.



Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance to local electric code of the country where the luminaire is installed.

Tools and Components Required

- Screwdriver
- UL Listed conduit connections per NEC/CEC for nominal conduit trade size 1/2" or 3/4"
- UL Listed wire connectors

FCC Caution Statement: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20 cm between the radiator and your body.

ISED Radiation Exposure Statement: This equipment complies with RSS-102 radio frequency radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Déclaration de mise en garde de la FCC: Tout changement non expressément autorisé par le fabricant peut annuler l'autorisation d'utiliser cet équipement.

Déclaration de la FCC sur l'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux radiations fixées par la FCC pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre la source de rayonnement et votre corps.

ISED Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements radioélectriques RSS-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

LE KIT DE RETROFIT EST ACCEPTÉ COMME COMPOSANT D'UN LUMINAIRE OÙ LA PERTINENCE DE LA COMBINAISON SERA DÉTERMINÉE PAR LES AUTORITÉS COMPÉTENTES. LE PRODUIT DOIT ÊTRE INSTALLÉ PAR UN ÉLECTRICIEN QUALIFIÉ CONFORMÉMENT AUX CODES ÉLECTRIQUES APPLICABLES ET APPROPRIÉS. LE GUIDE D'INSTALLATION NE REMPLACE PAS LES RÉGLEMENTATIONS LOCALES OU NATIONALES POUR LES INSTALLATIONS ÉLECTRIQUES.

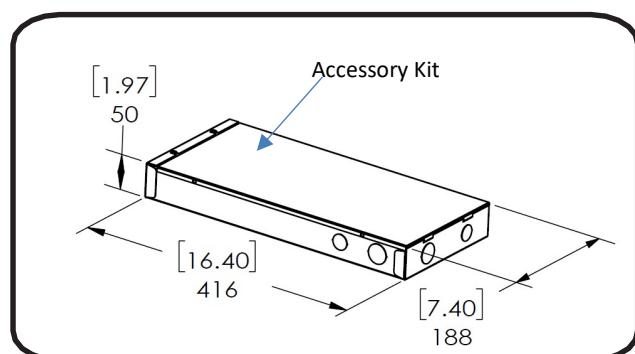


Fig1

Part identification

① Disconnecting power

Ensure that the power to the unit be turned off. Use proper lockout / tagout procedures.

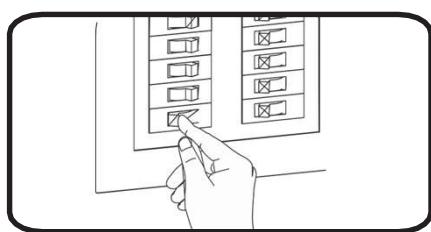
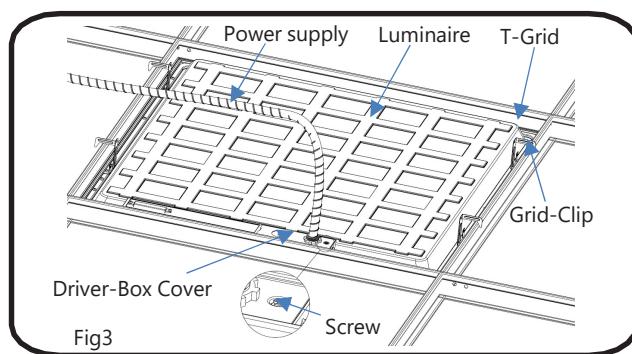


Fig2

② Opening Driver-Box cover

Loosen the screw and open the Driver-Box cover by sliding it aside. See Fig3.

Note: The screw is captive by a plastic washer. Keep the screws for later use.



③ Disassembling conduit

Disconnect the wires connecting AC input and luminaire. Unscrew the nut of conduit and separate conduit with AC lines from Driver-Box cover. See Fig4.

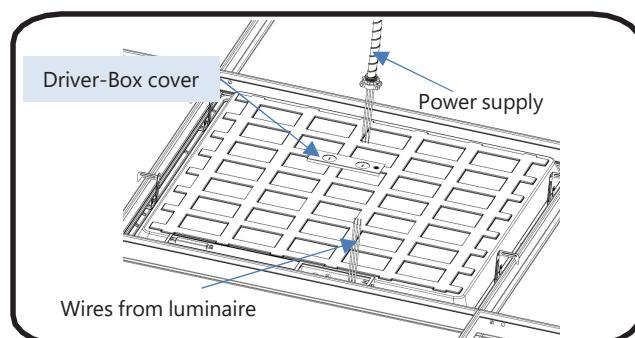


Fig4

④ Installing Bracket

For Basic version:

Remove and save 4 screws from both sides of the luminaire. Then, using these 4 screws, install the bracket to the luminaire as shown. See Fig5 or Fig6.

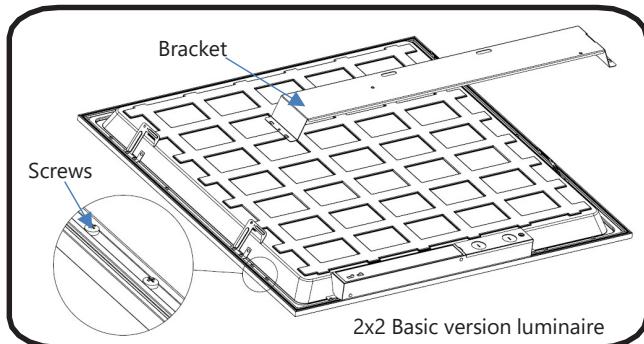


Fig5

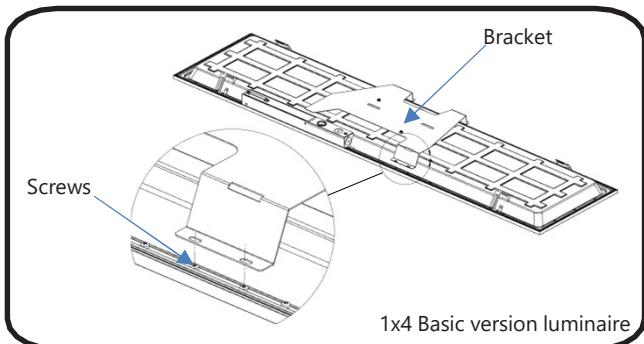


Fig6

For Sensor version:

Remove and save 2 screws from one sides of the luminaire.

Insert the slot of bracket through the pre-installed tab. Then, using these 2 screws, install the bracket to the luminaire, and bend the tab to hold bracket firmly. See Fig7 or Fig8.

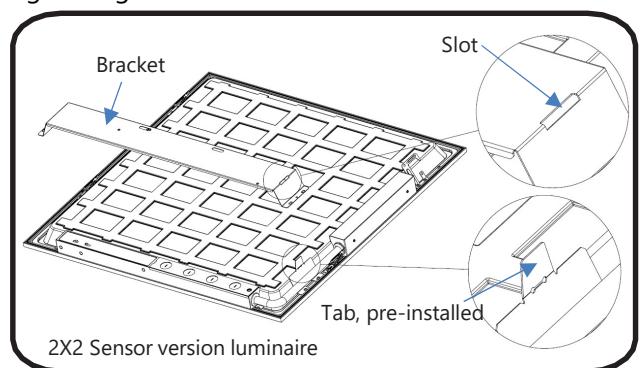


Fig7

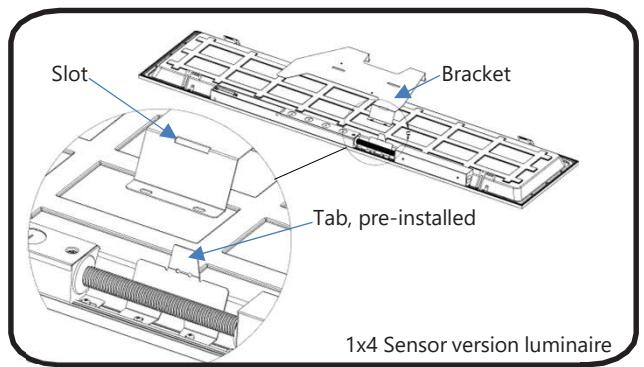


Fig8

⑤ Getting wires

Take out wires for dimming or EMBB, and thread the wires through bushings.

Install the cover back to Driver-Box and keep the wires outside for further connection.

See Fig9 or Fig10.

For new fixture, open the K.O. of Driver-Box and take wires out.

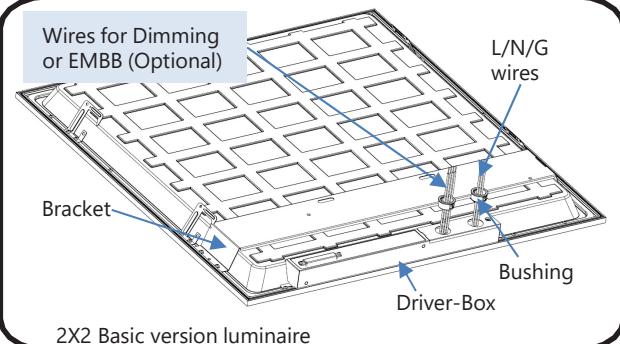


Fig9

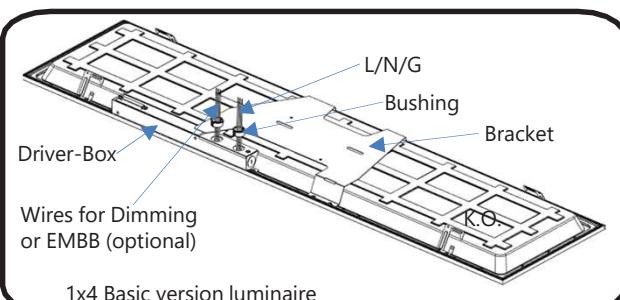


Fig10

⑥ Installing Box and bushings

Install the box to the back of the luminaire and align the K.O. or holes of Box with Luminaire Driver-Box's K.O.

Insert Bushings to the holes of Driver-Box. Bushings are in the bag of accessory kit.

Fix the Box to the bracket by fastening two provided #8-18 screws.

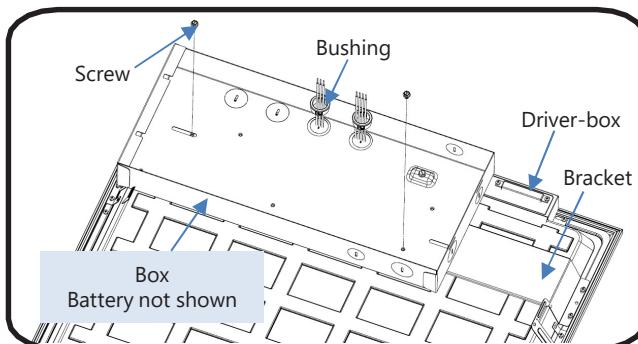


Fig11

⑦ Wiring connection

Open one K.O. of Box for power supply.

Make wiring connection according to below diagrams.

Make sure all the electrical wires are connected correctly according to the appropriate wiring diagram on pages 4-5.

Note: Cap all wires with UL listed nuts after wiring connection.

Attention:

Make sure EMBB wiring is correct according to the appropriate wiring diagram on pages 4, otherwise EMBB function will fail.

The test switch must be remote mounted.

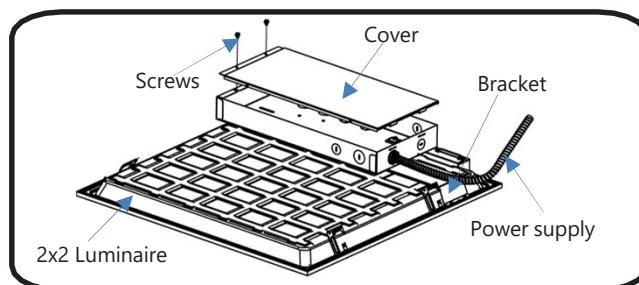


Fig12

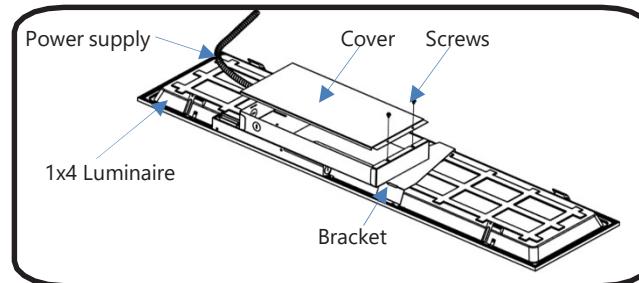


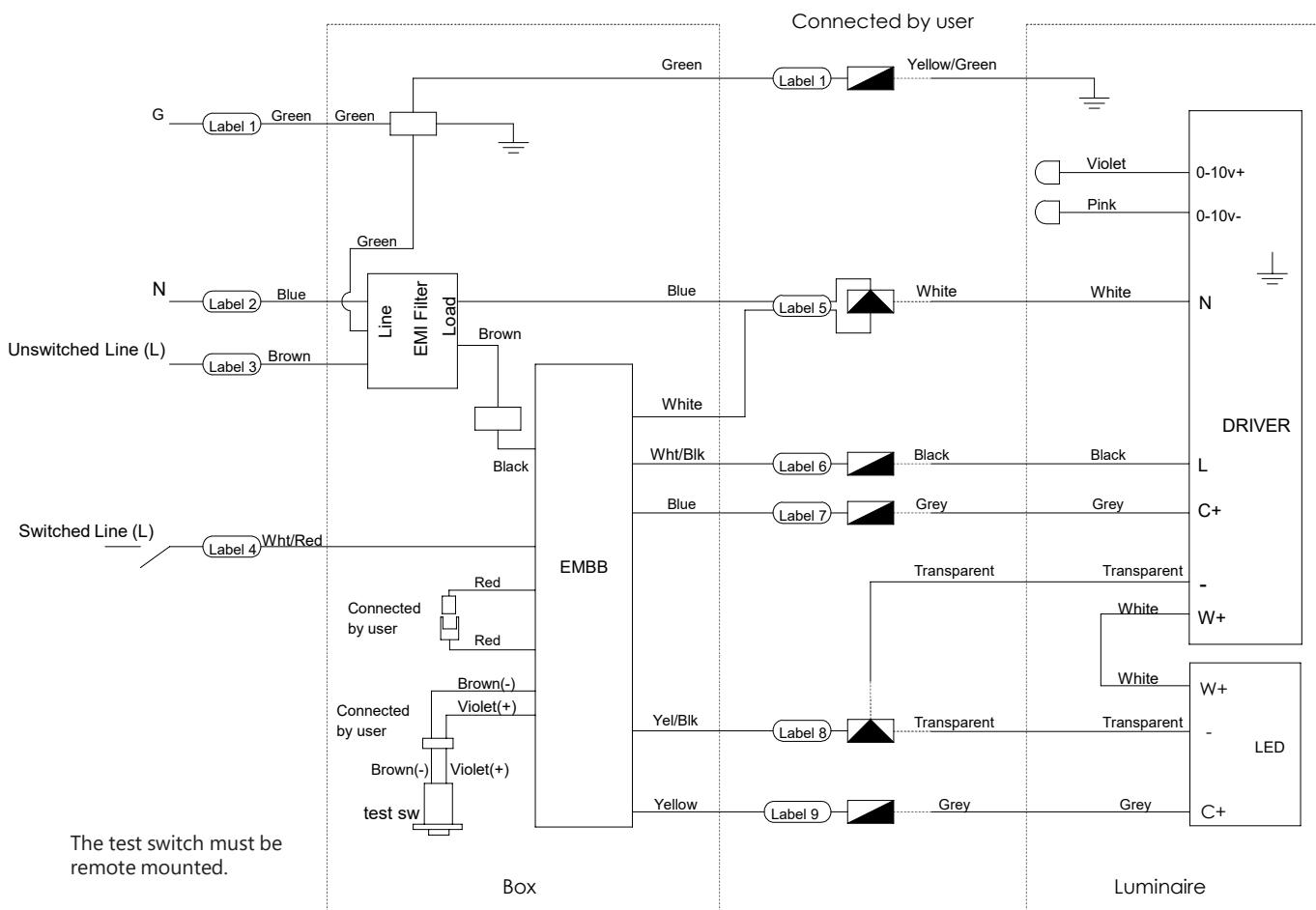
Fig13

⑧ Installing Cover

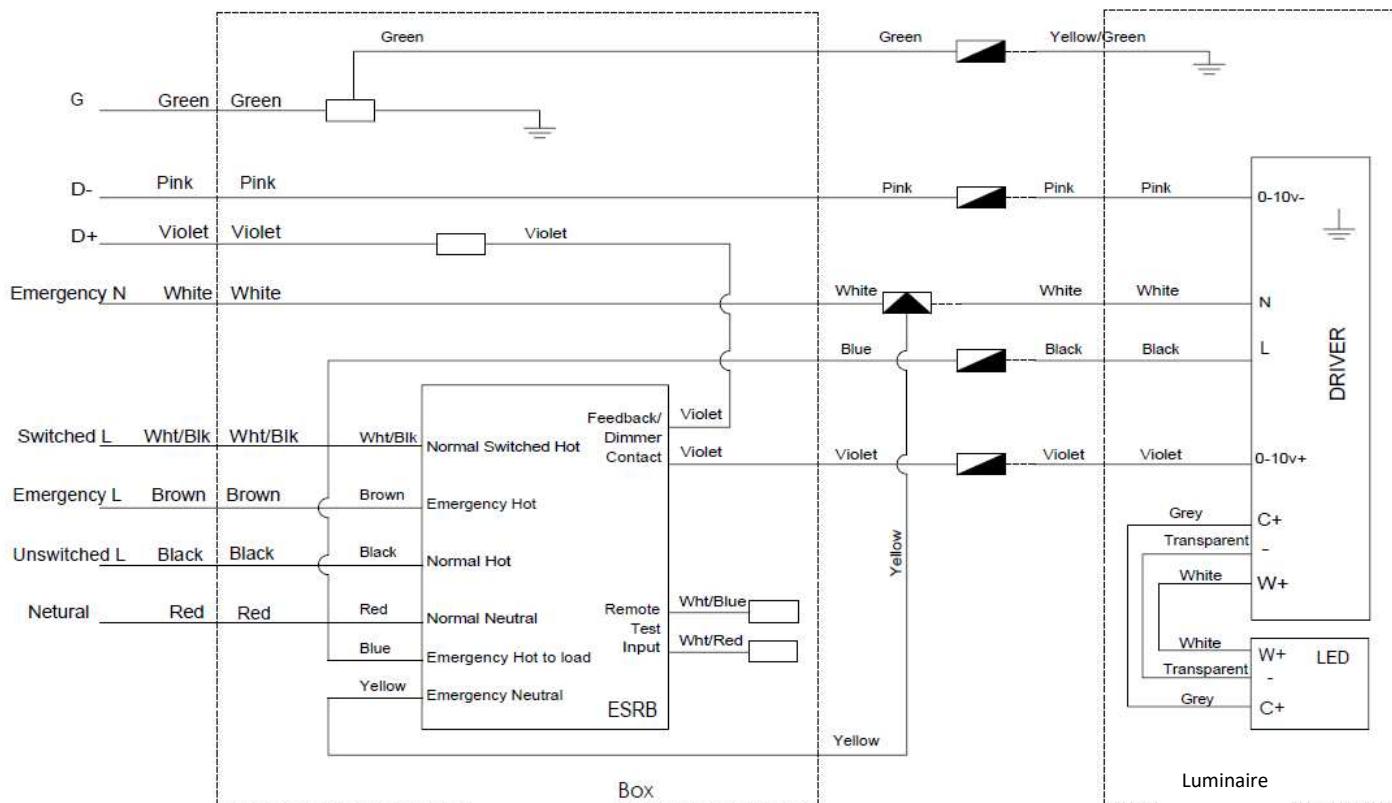
Install the cover back to Box with the screws. See Fig12 or Fig13.

⑨ – Wiring Diagram

A, EMBB wiring (█ is 2-Port lever connector, ▲ is 3-Port lever connector)



B, DTS wiring (Use Emergency lighting as normal lighting)



C, 347V wiring

