Day-Brite

by Signify

IS- EM FIELD INSTALL KIT SBP

Selectable LED Panel - 442296663481

2x2, 2x4

CAUTION: THE INSTALLATION AND SERVICING OF THIS PRODUCT MUST BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICE PERSONNEL

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of he following measures:

—Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

CAN ICES(A) / NMB(A)

This luminaire is intended for installation in accordance with the National Electrical Code and local regulations. To assure full compliance with local codes and regulations, check with your local electrical inspector before installation.

Retain these instructions for maintenance reference

WARNING

RISK OF FIRE, ELECTRICAL SHOCK, CUTS OR OTHER CASUALTY HAZARDS – Installation and maintenance of this product must be performed by a qualified electrician. 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 hazards involved.

RISK OF FIRE AND ELECTRIC SHOCK – Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

RISK OF FIRE – Minimum 90°C supply conductors.

RISK OF BURN – Disconnect power and allow fixture to cool before handling or servicing.

RISK OF PERSONAL INJURY – Due to sharp edged, handle with care.

DISCLAIMER OF LIABILITY: Genlyte Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Green ground screw provided in proper location. Do not relocate.

NOTICE: Fixture may become damaged and/or unstable if not installed properly.

Note: Specifications and dimensions subject to change without notice.

ATTENTION Receiving Department: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

EM KIT- LED PANEL (2x2 / 2x4)

Step 1

a) Remove driver box access plate, remove the KO from the access plate shown in figure 3 and mount J-box to access plate using the hardware provided (J-box mounting bracket, 1/2" chase nipple, and nut). (Figure 4)
b) Secure J-box to mounting bracket using the 8-18 screw that was provided. (Figure 4)
c) Remove a 3/8" KO from a face of the J-box that is perpendicular to the access plate.
d) Pass all the wires that you have in the selectable driver through the hole in the access plate, so they exit through the J-box. After that, assemble the access plate to the selectable driver. (Figure 5)

Step 2

a) Assemble the EM driver flex using the 3/8" J-box hole.
b) Screw the EM bracket to the driver box and fix the EM driver to the EM bracket by screwing them together. (Figure 7)

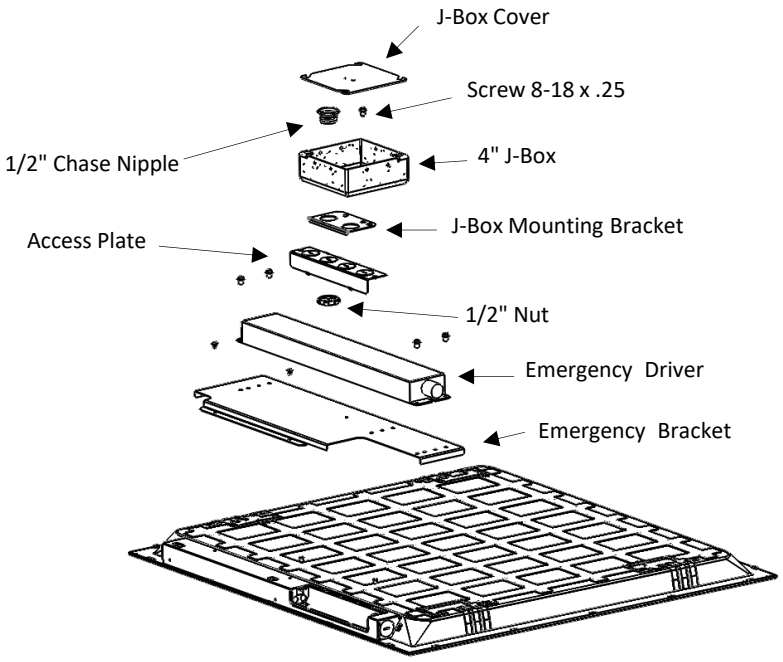


Figure 1

WIRE NOMENCLATURE						
LED BOARD			SELECTABLE DRIVER		HARNESS	
ACRONYM	WIRE MARKINGS	DESCRIPTION	ACRONYM	WIRE COLOR	ACRONYM	WIRE MARKINGS
W LED – (Warm negative)	"X"	---------- XXXXXXXX ----------	W LED – (Warm negative)	Gray	N/A	"X"
C LED – (Cold negative)	"Text"	---------- **E488264…** ----------	C LED – (Cold negative)	White	N/A	"Text"
LED + (Positive)	"Dashed line"	---------- ——————— ----------	LED + (Positive)	Red	N/A	"Dashed line"

Note: The "Harness" cables do not have a nomenclature (Ignore wire labels) .

Table 1

Step 3

a) Assemble the EM driver flex using the 3/8” J-box hole.
b) Screw the EM bracket to the driver box and fix the EM driver to the EM bracket by screwing them together. (Figure 7)

Step 4

a) Connect the “X” wire from the harness to the LED + wire of the EM driver.
b) Connect “Dashed line” wire from the harness to the Driver LED + wire of the EM driver.
c) Connect “Text” wire from the harness to the LED - wire of the EM driver.

Note: use quick connector to connect test switch if you are working with a BSL14 EM driver, omitting step 7.

Step 5

Connect the positive cable (Violet) from the test switch to the Test switch + wire of the EM driver and connect the negative cable (Brown) from the test switch to the Test switch - wire of the EM driver.

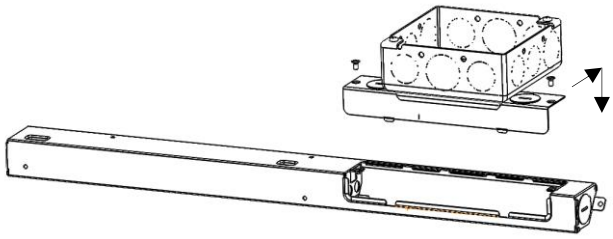


Figure 3

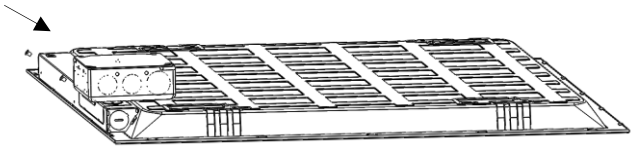


Figure 5

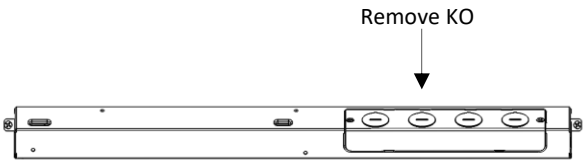


Figure 2

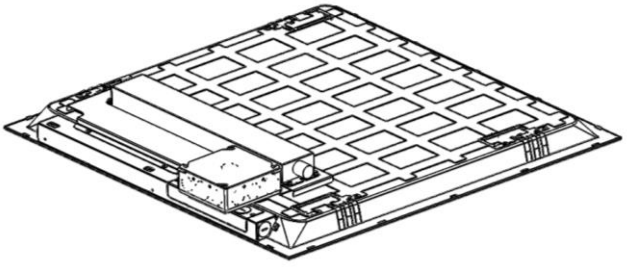


Figure 6

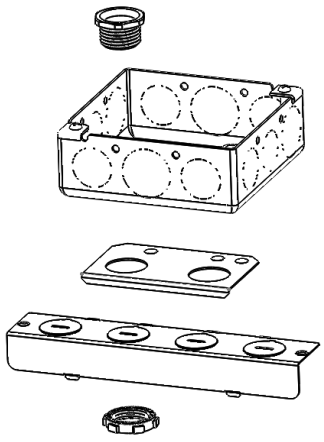


Figure 4

Step 8

a) Connect the selectable driver’s neutral wire (white) to the EM driver’s neutral wire, from that junction connect one white cable which will act as the neutral of the whole system.
b) Connect de Selectable Driver´s line wire (black) to the EM driver´s line wire.
c) Pull the cables that have not yet been connected out of the J-box through the KO hole, except for the converter connector.

Note: If you are not connecting the luminaire to a dimmer, omit the following step.

Step 6

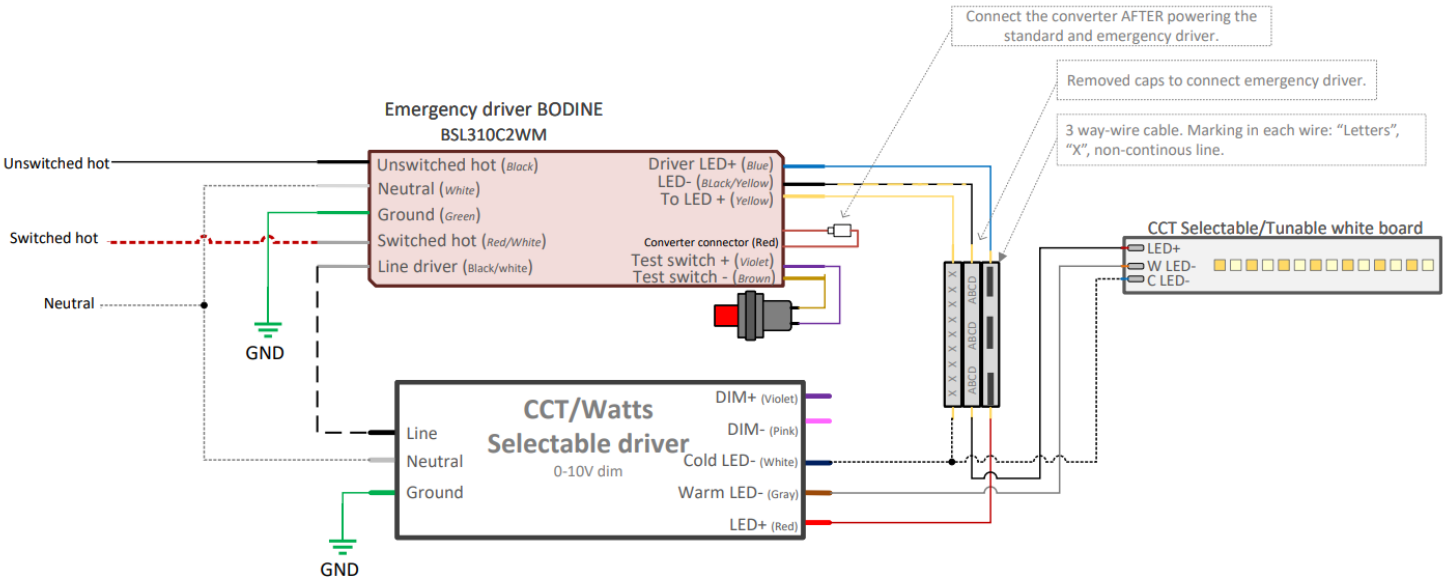
Connect the “DIM+ (Violet)” cable to the positive dimming control system and connect the “DIM- (Pink)” cable to the negative regulation control system.

Note: omit clause c) if you are working with a BSL14 EM driver

Step 7

a) Connect “Unswitched Hot” wire from the EM driver directly to the permanent power line (before the luminaire switch) and connect the “Switched Hot” wire from the EM driver to the output of the line switch that controls the selectable driver.
b) Connect the neutral wire (white) and ground wire (green), then turn on the power supply.
c) After powering the luminaire, connect the converter connector.
d) Close the J-box using the J-box cover and screw it down

WIRING DIAGRAM



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