

ESCD1000 INSTALLATION INSTRUCTIONS

PARTS REQUIRED:

ELC1900 (LOAD CABLE)

ESCD1000 (LVDC LUMINAIRE CONTROLLER)

WIRE CONNECTORS

TOOLS REQUIRED:

WIRE STRIPPERS

#2 PHILLIPS SCREW DRIVER



Figure A: Installation of the downlight ballast within the junction box attached to the downlight mounting bracket.

1. Locate the junction box and open the front cover on the housing by lifting the tab that is shown in Figure B.



Figure B: Tab that opens and closes the front cover which holds the LED Driver.

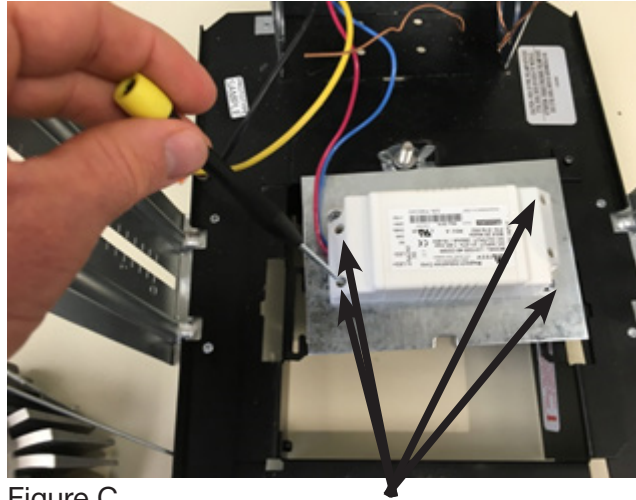


Figure C

2. Using a Philips screw driver remove the four screws from the LED Driver covers to expose connectors for Power and Dimming connections.
3. Remove the covers and save the screws and covers.

 - These will be reused to cover the connections after inserting the emergency wires.



Figure D: Covers are removed from the LED driver to expose the Dimming and Power connections

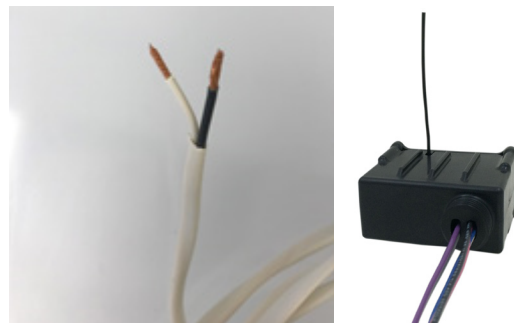


Figure E: Load Cable and ESCD1000 separating the wires that will be connected using wire connectors.

- Attach ESCD1000 to junction box. Knock out one of the knock out holes in the junction box and insert all of the wires through the knock out in the junction box (See Figure F).



Figure F: LVDC Luminaire Controller (ESCD1000) attached to the junction box and fastened with supplied locknut

- In the supplied grommet on the junction box insert the load cable (See Figure G).

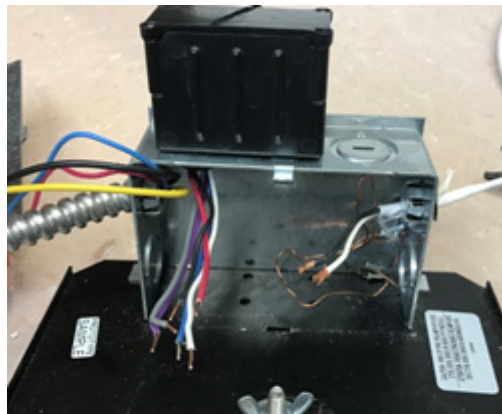


Figure G: Load cable and controller within junction box.

- Using 18 AWG wire connectors connect the following wires together from the ESCD1000 and the load cable. See Figure H for the wire connections between ESCD1000 and the load cable.

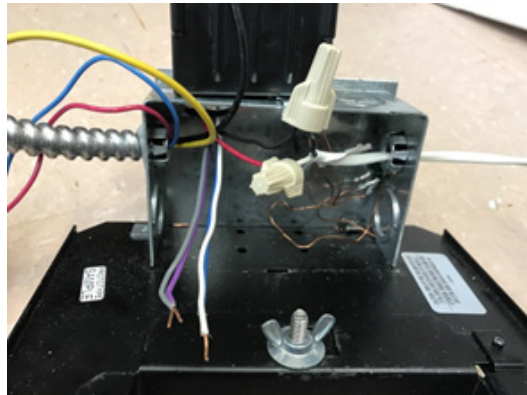


Figure H

FROM LUMINAIRE CONTROLLER	FROM LOAD CABLE
Black	Black
Red	White



Figure I: Connections of the load cable and the ESCD1000 to the LED Driver.

- Figure I: ESCD1000 blue and white wires are connected to the DC power input of the LED Driver. Connect BLUE Wire to the POSITIVE (+) Terminal, and the WHITE Wire to the NEGATIVE (-) terminal. Connect the PURPLE and GREY Wires from ESCD1000 to the Dimming Terminal on the LED Driver. Connect the PURPLE Wire to the POSITIVE (+) Dimming terminal, and the GREY wire to the NEGATIVE dimming terminal. See the table below for the connections of these wires.

WIRE FROM LUMINAIRE CONTROLLER	LED DRIVER
Grey	Negative Dimming Terminal
Purple	Positive Dimming Terminal
White	Negative DC Input Power Terminal
Blue	Positive DC Input Power Terminal



Figure J

- Re-attach the covers that protect the Power and Dimming terminals, and press all of the wires and wire connectors into the bottom of the junction box.



Figure K

- Re-insert the lower tongue into the LED Driver metal enclosure and carefully press the LED Driver enclosure closed to secure the housing and complete the installation.