Installation Instructions

NCSP
LED Backlit Panel with Selectable Lumens & Selectable CCT

ITEM NO.	DESCRIPTION
NCSP-22/334W	2' x 2' LED Backlit Panel
NCSP-24/334W	2' x 4' LED Backlit Panel

⚠️ **IMPORTANT** - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition of the National Electrical Code and all applicable state and local building codes. The final installation must be approved by the appropriate, qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

⚠️ **IMPORTANT** - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite conformément à l'édition actuelle du Code national de l'électricité et à tous les codes de construction locaux et nationaux applicables. L'installation finale doit être approuvée par un ou plusieurs inspecteurs qualifiés en électricité / bâtiment. Une installation incorrecte peut entraîner un incendie ou un risque électrique. Assurez-vous que l'alimentation électrique du circuit a été déconnectée avant d'installer ce système électrique.

## PACKAGING CONTENTS
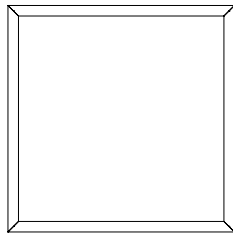
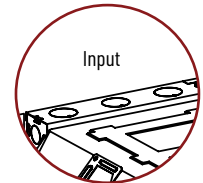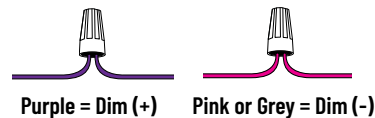LED Backlit Panel
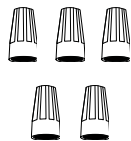
5 pcs. Orange wire nut

ELECTRICAL CONNECTIONS

1. Remove knockout plates.
2. Remove round knockout and connect conduit or Romex to wiring box with proper connectors. Follow wire diagram below.
3. Universal voltage driver permits operation at 120V thru 277V, 50 or 60Hz. 0-10V dimming wires must be rated for 300V minimum.

120-347V CONNECTION:

White = Neutral   **Black = Live**   **Green = Ground**
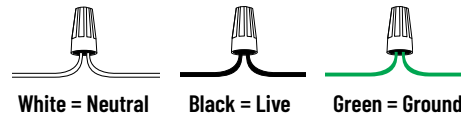
0-10V DIMMING CONNECTION:

Purple = Dim (+)   **Pink or Grey = Dim (-)**

Input

DAISY CHAIN JUNCTION BOX INSTALLATION

1. Turn all power off before installation.
2. Unscrew panel's wiring compartment plate cover and remove two knockouts.
3. Attach wiring compartment plate to junction box accessory (NPDBL-JB4X4 - ordered separately) using conduit lock (included).
4. Pull panel's wiring through compartment plate and make branch circuit connections (4in-4out) and follow "Electrical Connections"
5. Close wiring compartment and replace screw.

Junction box accessory

Wiring compartment plate

Conduit lock
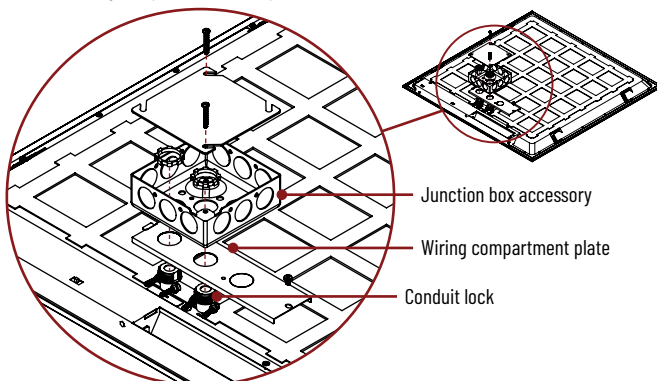
CHANGING COLOR TEMPERATURE AND WATTAGE

Note: LED Backlit Panels are preset at 3000K & highest wattage (30W or 45W)
1. Before installing panel, set the luminaire to the desired color temperature and wattage.
2. Color temperature and wattage switch are located on the back of the luminaire.
3. Change the switch to the desired color temperature and wattage.
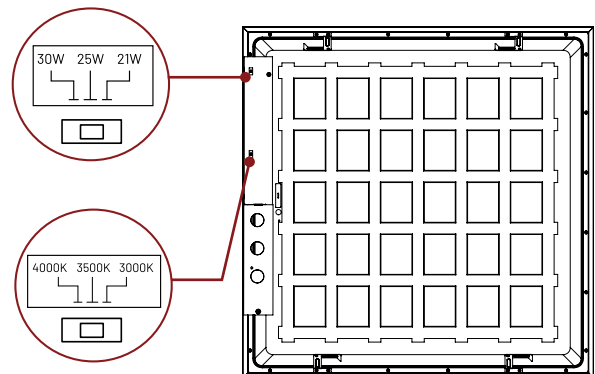
30W 25W 21W

4000K 3500K 3000K

Installation Instructions

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SUSPENDED CEILING (T-BAR) INSTALLATION

1. Turn all power off before installation.
2. Remove desired knockout and connect panel's wires to input.
   (Please refer to the "ELECTRICAL CONNECTIONS" on Page 1)
3. Insert LED panel into T-Bar grid, face down.
4. Align Panel with edge of T-Bar. Turn clip 90° counter clockwise to secure panel.

**(CLIP HAS HOLE FOR WIRE OR CABLE SUPPORT REQUIRED BY SOME LOCAL CODES.)**

ALIGNMENT ATTENTION: CEILING JUNCTION BOX OR CONDUIT SHOULD BE LOCATED NEAR THE PANEL JUNCTION BOX, NOT CENTER OF THE SURFACE FRAME

T-Bar

Input

Wire Junction Box
(See wiring diagram)

Turn Clip 90°

Counter Clockwise

T-Bar Clip
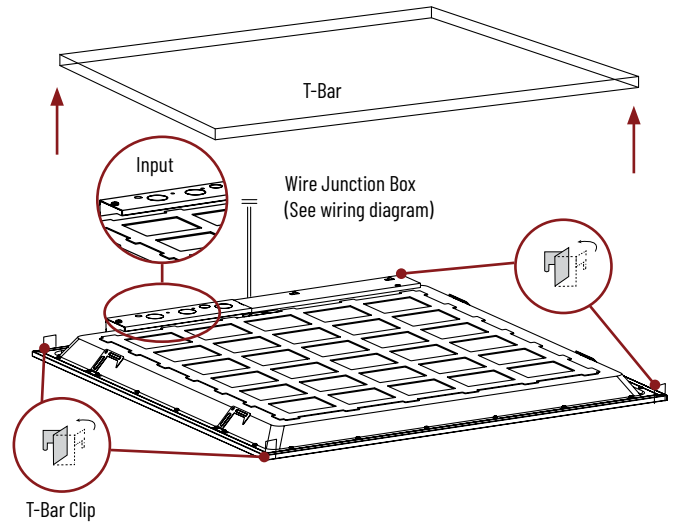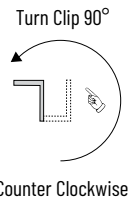
SURFACE MOUNT INSTALLATION

1. Turn all power off before installation.
2. Assemble three pieces of surface mount frame (NPD-xxDFK/W - ordered separately).
3. Install three connected pieces on the ceiling
   (Note: Junction box or conduit should be located near the panel's junction box,
   not the center of the surface mount frame)
4. Remove desired knockout and connect panel's wires to input.
   (Please refer to the "ELECTRICAL CONNECTIONS" on Page 1)
5. Insert the panel into the three connected pieces.
6. Attach the fourth piece to complete the surface mount frame.

REQUIRES: NPD-xxDFK/W or NPD-xxDDFK/W (Ordered Separately)

Panel Junction Box

Ceiling

Surface Mount Frame
(ordered separately)

LED Backlit Panel
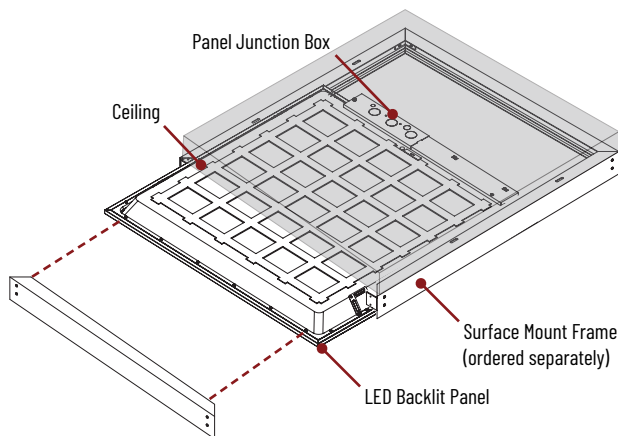
RECESSED INSTALLATION

1. Turn the power off before installation and cut out ceiling accordingly (Refer to chart).
2. Insert recessed mounting kit into opening and secure with brackets and screws.
3. Remove desired knockout and connect panel's wires to input.
   (Please refer to the "ELECTRICAL CONNECTIONS" on Page 1)
4. Insert LED panel into frame kit, face down.

Cut-out dimension	
NPDBL-24RFK/W	24.37" x 48.37"
NPDBL-22RFK/W	24.37" x 24.37"

REQUIRES: NPDBL-xxRFK/W (Ordered Separately)

Screws

Brackets

NORA LIGHTING®