

# NPDBL Series

## LED Backlit Panels

Source: 30W to 45W LED  
3500lm to 5700lm

### PRODUCT DESCRIPTION

LED Backlit can be utilized in offices, conference rooms, libraries and other tasks areas where general illumination is desired. The white diffused lens optimizes output while diffusing LED diode image. LED Backlit Panels are available in field selectable color temperature (3000K, 3500K or 4000K) or a dedicated 5000K.

### SPECIFICATION

**Construction:** An array of LEDs are mounted on the back of aluminum frame. White opalescent diffused lens optimizes output while reducing LED diode image. The construction seals the conditioned air from the plenum or non-conditioned air, eliminates bugs or dirt getting to top of lens for savings on maintenance cost.

**Lens:** PMMA (Polymethyl methacrylate) lens is lightweight and shatter resistant.

**Clearance:** "IC" Insulated ceiling housings are direct contact rated. **Not to be used in direct contact with spray foam insulation.**

**Installation:** The luminaire fits into standard 5/16" and narrow 9/16" T-grid ceiling systems. Wiring compartment is on the back of panel and includes replaceable driver, which is accessible via a service door secured with two screws. Wiring compartment consists of three 1/2" knockouts for romex or flex wiring.

**Optional motion sensor:** Microwave motion sensor can detect motion under the luminaire. Integral switches allow functionality to be changed in the field. Motion Sensor is preset at 100% sensitivity, 5s hold time, Disable daylight threshold, stand-by time off, and 10% dimming level. (See installation sheet for other setting). After each power cycle, the fixture will perform a start-up cycle and resume normal operation.



### ELECTRICAL

**Input:** 120-347V (120-277V with emergency battery)

#### Lumens / Wattage:

2' x 2': Average of 3500lm / 30W (Tunable White) or 3500lm / 30W (5000K)

1' x 4': Average of 3500lm / 30W (Tunable White)

2' x 4': Average of 5600lm / 45W (Tunable White) or 5700lm / 45W (5000K)

#### Color Temperature:

**Tunable White:** Field Selectable - 3000K / 3500K / 4000K (Preset at 3000K)

**Dedicated:** 5000K

**Color Rendering Index:** 80+CRI

**Operating Temperature:** 0°C to 45°C

**Lifetime:** 60,000 hours @ L70

**Dimming:** 0-10V dimming down to 5%

(Motion sensor is not compatible with 0-10V dimming)

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab

### ACCESSORIES

**NPDBL-JB4X4:** 4" Junction Box to allow panels to be daisy chained (4-in / 4-out)

**NPDBL-xxDFK/W:** Surface Mount Frame to allow panels to be mounted over junction box

**NPDBL-xxDDFK/W:** Surface Mount Frame for panels with emergency or motion sensor

**NPDBL-xxRFBK/W:** Recessed Mounting Kit to allow panels to be recessed into hard ceiling

**NPDBL-PKW:** Pendant Mounting Kit to suspend panels from monopoint canopy

**Emergency:** Luminaire can be specified with 120-277V emergency battery with remote test switch. Battery operates luminaire at 7W for 90 minute emergency operation on fully charged battery.

*Note: EM option not compatible with pendant mounting kit accessory*

### LABELS AND LISTINGS

- cULus Listed for Damp Locations
- DLC Listed
- FCC certified
- 5-Year Limited Warranty



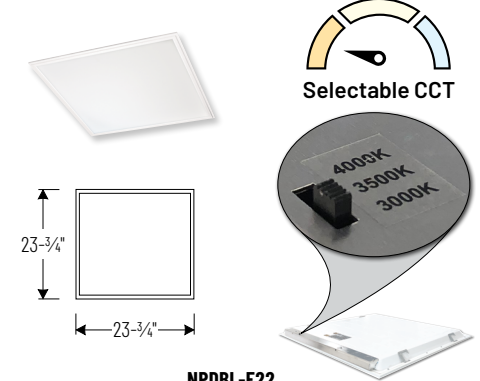
Type

Project

Catalog No.

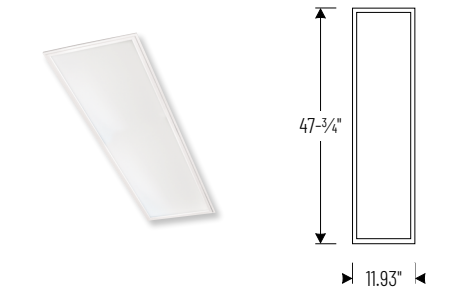
Notes

### PRODUCT IMAGES AND DIMENSIONS



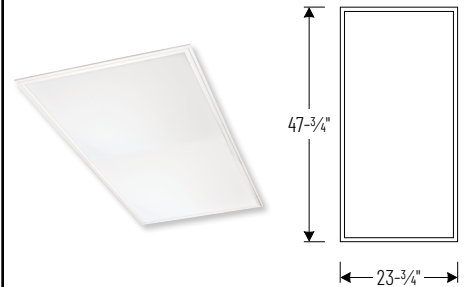
**NPDBL-E22**

2' x 2' LED Backlit Panel



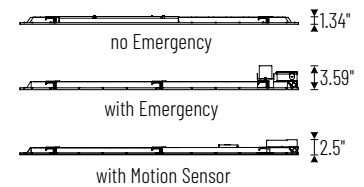
**NPDBL-E14**

1' x 4' LED Backlit Panel



**NPDBL-E24**

2' x 4' LED Backlit Panel



### LED Backlit Panels\*

Size / Lumens / Wattage	Color Temperature	Finish	Optional Emergency
<b>NPDBL-E22</b> = 2' x 2' / 3500lm / 30W	<b>/334</b> = Tunable White 3000K / 3500K / 4000K	<b>W</b> = White	<b>EM</b> = Emergency with Remote Test Switch <b>MS</b> = Motion Sensor
<b>NPDBL-E14</b> = 1' x 4' / 3500lm / 30W			
<b>NPDBL-E24</b> = 2' x 4' / 5600lm / 45W			
<b>NPDBL-E22</b> = 2' x 2' / 3500lm / 30W	<b>/50</b> = Dedicated 5000K	<b>W</b> = White	<b>EM</b> = Emergency with Remote Test Switch
<b>NPDBL-E24</b> = 2' x 4' / 5700lm / 45W			

\* PACKAGED AND SOLD IN MULTIPLES OF TWO

### Optional Accessories

Accessories for all sizes

**NPDBL-JB4X4** = 4" Junction Box for Daisy Chaining

**NPDBL-PKW** = Pendant Mounting Kit

Panel Size      Accessory Type

**NPDBL-14** = 1' x 4'

**NPDBL-22** = 2' x 2'

**NPDBL-24** = 2' x 4'

**DFK/W** = Surface Mount Frame

**DDFK/W** = Surface Mount for EM or MS

**RFBK/W** = Recessed Mounting Kit

Example: **NPDBL-E24/50W** = 2' x 4' LED Backlit Panel, 5700lm / 45W, 5000K, White finish

**NPDBL Series**  
LED Backlit Panel Accessories

Type \_\_\_\_\_  
Project \_\_\_\_\_  
Catalog No. \_\_\_\_\_  
Notes \_\_\_\_\_



Surface Mounting Frame

- NPDBL-14DFK/W 1' x 4' / White Finish
- NPDBL-22DFK/W 2' x 2' / White Finish
- NPDBL-24DFK/W 2' x 4' / White Finish

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame only extends 2.5" from the ceiling. Can be used with NPDBL-PKW pendant kit.

Note: Junction box must be off center frame.



Surface Mounting Frame for Emergency or Motion Sensor

- NPDBL-14DDFK/W 1' x 4' / White Finish
- NPDBL-22DDFK/W 2' x 2' / White Finish
- NPDBL-24DDFK/W 2' x 4' / White Finish

The frame mounts over an existing junction box and the panel slides into place. Surface mounting frame extends 4.33" from the ceiling.

Can be used with NPDBL-PKW pendant kit.  
Note: Junction box must be off center frame.



Recessed Mounting Kit

- NPDBL-14RFK/W 1' x 4' / White Finish
- NPDBL-22RFK/W 2' x 2' / White Finish
- NPDBL-24RFK/W 2' x 4' / White Finish

The white finished flange kit consist of four pieces. The assembled frame installs into a hard ceiling. The panel lifts and shifts in the frame ending in a finished flush appearance.



Pendant Mounting Kit

- NPDBL-PKW White Finish

Allows LED panels to be suspended as a pendant. Grip lock fasteners allow for easy field adjustment of cables from 12" to 96". Canopy includes an 8' power card that can be shortened in the field. Pendant kit may be used with surface mount frames for an alternative appearance.

Canopy Dimension: 6" width / 0.75" height / 8'-6" cord & cable



4" Junction Box for Daisy Chaining

- NPDBL-JB4X4

Junction box mounts on panel to allow them be daisy chained together on the same switch (4-in / 4-out)