

#### 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. Each luminaire includes two tunable switches; Selectable Lumens allows the end user to determine the wattage input & Selectable CCT changes the color temperature appearance.

#### FEATURES

- Packaged in case quantities of 4
- Selectable Lumen switch changes output up to 5700lm
- Selectable CCT switch changes color temperature from 3000K / 3500K / 4000K
- 2' x 2' or 2' x 4' sizes
- Surface and hard ceiling mounting kits available
- 0-10V dimming down to 5%
- Universal 120-277V input
- cETLus listed for damp location

#### 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  $\frac{5}{16}$ " and narrow  $\frac{3}{16}$ " 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  $\frac{1}{2}$ " knockouts for romex or flex wiring.

#### ELECTRICAL

**Voltage:** 120-277VAC

**Lumens / Wattage:**

Selectable Lumens (2'x2'): Up to 3700lm / Up to 30W  
Selectable Lumens (2'x4'): Up to 5700lm / Up to 45W

**Color Temperature:**

Selectable CCT: 3000K / 3500K / 4000K

(Note: Preset to 3000K)

**Color Rendering Index:** 80+ CRI

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

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

**Dimming:** 0-10V

[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-22DFK/W:** Surface Mount Kit for 2' x 2' Panel

**NPDBL-24DFK/W:** Surface Mount Kit for 2' x 4' Panel

**NPDBL-22RFK/W:** Recessed Mounting Kit for 2' x 2' Panel

**NPDBL-24RFK/W:** Recessed Mounting Kit for 2' x 4' Panel

#### LABELS AND LISTINGS

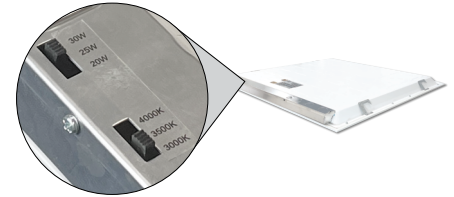
- cETLus Listed for Damp Locations
- DLC Listed
- FCC certified
- [5-Year Limited Warranty](#)



#### Performance Data

Part Number	Wattage	3000K	3500K	4000K
<b>NCSP-22/334W</b>	20W	2540lm	2687lm	2672lm
	25W	2958lm	3142lm	3095lm
	30W	3681lm	3733lm	3640lm
<b>NCSP-24/334W</b>	35W	4483lm	4739lm	4735lm
	40W	4986lm	5262lm	5217lm
	45W	5420lm	5746lm	5711lm

#### PRODUCT IMAGES AND DIMENSIONS



**Selectable Lumens**

Three position sliding switch

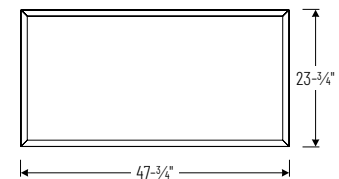
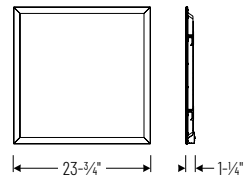


**Selectable CCT**

Three position sliding switch  
3000K / 3500K / 4000K



**NCSP-22/334W**  
2' x 2'



**NCSP-24/334W**  
2' x 4'



**SOLD IN PACKS OF 4**

CATALOG NUMBER	UPC	CASE QTY.	DESCRIPTION	LUMENS / WATTAGE	PALLET QTY.
<b>NCSP-22/334W</b>	732180816866	4 PCS.	2' x 2' LED Backlit Panel with Selectable Lumens & CCT	Up to 3700lm 20W / 25W / 30W	22
<b>NCSP-24/334W</b>	732180816873	4 PCS.	2' x 4' LED Backlit Panel with Selectable Lumens & CCT	Up to 5700lm 35W / 40W / 45W	14

#### OPTIONAL ACCESSORIES

CATALOG NUMBER	UPC	CASE QTY.	DESCRIPTION
<b>NPDBL-JB4X4</b>	732180020843	1 PC.	4" Junction Box for Daisy Chaining
<b>NPDBL-22DFK/W</b>	732180021000	1 PC.	Surface Mount Kit for 2' x 2' Panel
<b>NPDBL-24DFK/W</b>	732180408993	1 PC.	Surface Mount Kit for 2' x 4' Panel
<b>NPDBL-22RFK/W</b>	732180020539	1 PC.	Recessed Mounting Kit for 2' x 2' Panel
<b>NPDBL-24RFK/W</b>	732180020546	1 PC.	Recessed Mounting Kit for 2' x 4' Panel

Example: **NCSP-24/334W** = 2' x 4' LED Backlit Panel with Selectable Lumens & Selectable CCT, White finish (Bulk Pack: 4 Pieces)

NCSP

LED Backlit Panels with Selectable Lumens & Selectable CCT Accessories

Type

Project

Catalog No.

Notes



Surface Mounting Frame

NPDBL-22DFK/W

NPDBL-24DFK/W

2' x 2' / White Finish

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.  
*Note:* Junction box must be off center frame.



Recessed Mounting Kit

NPDBL-22RFBK/W

NPDBL-24RFBK/W

2' x 2' / White Finish

2' x 4' / White Finish

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



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)

PHOTOMETRICS

2' x 2' LED Backlit Panels with Selectable Lumens & Selectable CCT

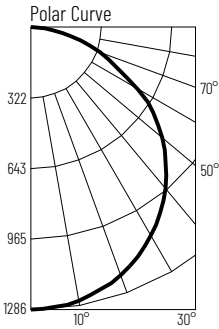
Type

Project

Catalog No.

Notes

**Test Information**  
Test Number: 80218850-1  
Part Number: NCSP-22/334W  
Beam Spread: 113° Wide Flood  
Lumens: 3681lm  
Wattage: 29.79W  
Efficacy: 124lpw  
CCT / CRI: 3000K / 80 CRI  
Spacing Criteria (0°-180°): 1.28  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	12.9fc	30'-11"
12'	8.9fc	37'
14'	6.6fc	43'-2"
16'	5fc	49'-5"
18'	4fc	55'-6"

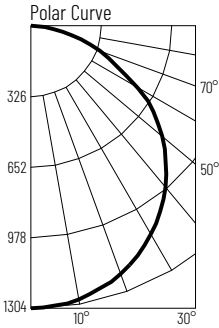
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1003	27.3
0-40	1648	44.8
0-60	2927	79.5
0-90	3681	100
90-180	0	0
0-180	3681	100

Candela Table

Vertical Angles	Candela
0	1286
5	1279
15	1237
25	1153
35	1031
45	872

**Test Information**  
Test Number: 80218850-1  
Part Number: NCSP-22/334W  
Beam Spread: 113° Wide Flood  
Lumens: 3733lm  
Wattage: 28.87W  
Efficacy: 129lpw  
CCT / CRI: 3500K / 80 CRI  
Spacing Criteria (0°-180°): 1.28  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	13fc	30'-11"
12'	9.1fc	37'
14'	6.7fc	43'-2"
16'	5.1fc	49'-5"
18'	4fc	55'-6"

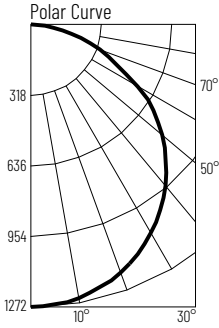
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1017	27.3
0-40	1671	44.8
0-60	2968	79.5
0-90	3733	100
90-180	0	0
0-180	3733	100

Candela Table

Vertical Angles	Candela
0	1304
5	1297
15	1255
25	1169
35	1046
45	884

**Test Information**  
Test Number: 80218850-1  
Part Number: NCSP-22/334W  
Beam Spread: 113° Wide Flood  
Lumens: 3640lm  
Wattage: 30.01W  
Efficacy: 121lpw  
CCT / CRI: 4000K / 80 CRI  
Spacing Criteria (0°-180°): 1.28  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	12.7fc	30'-11"
12'	8.8fc	37'
14'	6.5fc	43'-2"
16'	5fc	49'-5"
18'	3.9fc	55'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	992	27.3
0-40	1629	44.8
0-60	2894	79.5
0-90	3640	100
90-180	0	0
0-180	3640	100

Candela Table

Vertical Angles	Candela
0	1272
5	1265
15	1223
25	1140
35	1020
45	862

**Lumen Output Multipliers**  
Wattage: 20W (0.715), 25W (0.832)

PHOTOMETRICS

2' x 4' LED Backlit Panels with Selectable Lumens & Selectable CCT

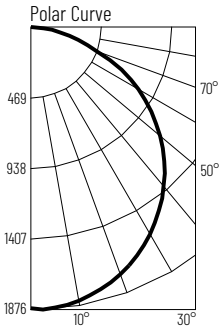
Type

Project

Catalog No.

Notes

**Test Information**  
Test Number: 80218850-4  
Part Number: NCSP-24/334W  
Beam Spread: 115° Wide Flood  
Lumens: 5420lm  
Wattage: 43.1W  
Efficacy: 126lpw  
CCT / CRI: 3000K / 80 CRI  
Spacing Criteria (0°-180°): 1.3  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	18.7fc	31'-7"
12'	13fc	37'-11"
14'	9.5fc	44'-2"
16'	7.3fc	50'-6"
18'	5.8fc	56'-10"

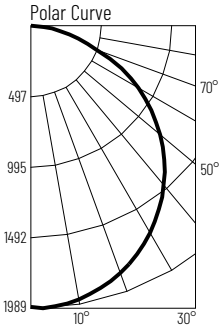
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1459	26.9
0-40	2398	44.3
0-60	4271	78.8
0-90	5420	100
90-180	0	0
0-180	5420	100

Candela Table

Vertical Angles	Candela
0	1866
5	1842
15	1795
25	1686
35	1517
45	1293

**Test Information**  
Test Number: 80218850-4  
Part Number: NCSP-24/334W  
Beam Spread: 115° Wide Flood  
Lumens: 5746lm  
Wattage: 41.66W  
Efficacy: 138lpw  
CCT / CRI: 3500K / 80 CRI  
Spacing Criteria (0°-180°): 1.3  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	19.8fc	31'-7"
12'	13.7fc	37'-11"
14'	10.1fc	44'-2"
16'	7.7fc	50'-6"
18'	6.1fc	56'-10"

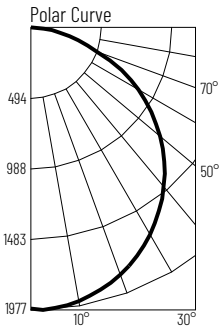
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1547	26.9
0-40	2543	44.3
0-60	4529	78.8
0-90	5746	100
90-180	0	0
0-180	5746	100

Candela Table

Vertical Angles	Candela
0	1978
5	1953
15	1903
25	1787
35	1608
45	1370

**Test Information**  
Test Number: 80218850-4  
Part Number: NCSP-24/334W  
Beam Spread: 115° Wide Flood  
Lumens: 5711lm  
Wattage: 42.89W  
Efficacy: 133lpw  
CCT / CRI: 4000K / 80 CRI  
Spacing Criteria (0°-180°): 1.3  
Spacing Criteria (90°-270°): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
10'	19.7fc	31'-7"
12'	13.7fc	37'-11"
14'	10fc	44'-2"
16'	7.7fc	50'-6"
18'	6.1fc	56'-10"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1537	26.9
0-40	2527	44.3
0-60	4501	78.8
0-90	5711	100
90-180	0	0
0-180	5711	100

Candela Table

Vertical Angles	Candela
0	1966
5	1940
15	1891
25	1776
35	1598
45	1362

**Lumen Output Multipliers**  
Wattage: 35W (0.827), 40W (0.916)