

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. Additional screws are provided to keep luminaire tight and free of bugs and insects.

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

Installation: 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.

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 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

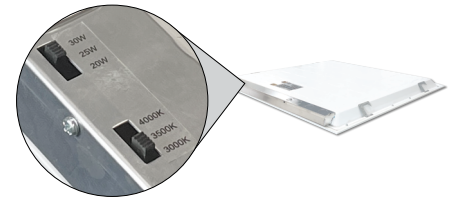
- cETLus Listed for Damp Locations
- DLC Listed
- FCC certified
- [5-Year Limited Warranty](#)



Performance Data

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

PRODUCT IMAGES AND DIMENSIONS



Selectable Lumens

Three position sliding switch

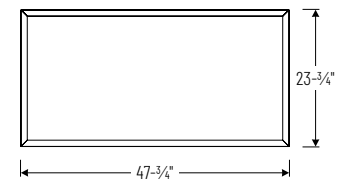
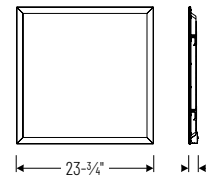


Selectable CCT

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.
NCSP-22/334W	732180816866	4 PCS.	2' x 2' LED Backlit Panel with Selectable Lumens & CCT	Up to 3700lm 20W / 25W / 30W	22
NCSP-24/334W	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
NPDBL-JB4X4	732180020843	1 PC.	4" Junction Box for Daisy Chaining
NPDBL-22DFK/W	732180021000	1 PC.	Surface Mount Kit for 2' x 2' Panel
NPDBL-24DFK/W	732180408993	1 PC.	Surface Mount Kit for 2' x 4' Panel
NPDBL-22RFK/W	732180020539	1 PC.	Recessed Mounting Kit for 2' x 2' Panel
NPDBL-24RFK/W	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 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.
Note: Junction box must be off center frame.



Recessed Mounting Kit

NPDBL-22RFBK/W 2' x 2' / White Finish
NPDBL-24RFBK/W 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

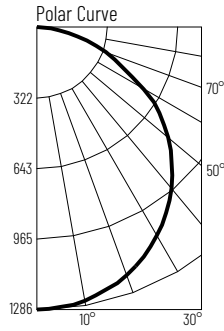
Project

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

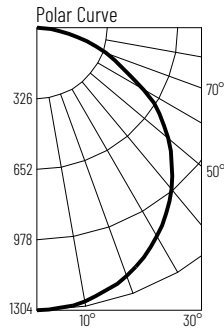
Zone	Lumens	% Luminaire
0-30	1003	27.3
0-40	1648	44.8
0-60	2927	79.5
0-90	3681	100
90-180	0	0
0-180	3681	100

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

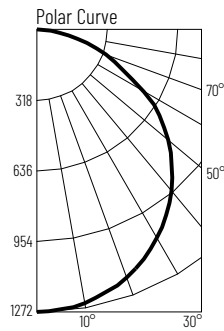
Zone	Lumens	% Luminaire
0-30	1017	27.3
0-40	1671	44.8
0-60	2968	79.5
0-90	3733	100
90-180	0	0
0-180	3733	100

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

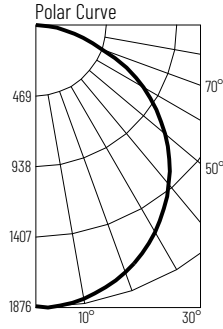
Project

Catalog No.

Notes

Test Information

Test Number: 80218850-4
 Part Number: NCPSP-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

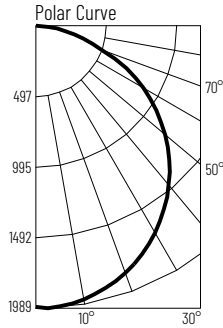
Zone	Lumens	% Luminaire
0-30	1459	26.9
0-40	2398	44.3
0-60	4271	78.8
0-90	5420	100
90-180	0	0
0-180	5420	100

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: NCPSP-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

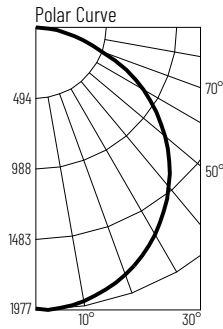
Zone	Lumens	% Luminaire
0-30	1547	26.9
0-40	2543	44.3
0-60	4529	78.8
0-90	5746	100
90-180	0	0
0-180	5746	100

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: NCPSP-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)