

Series Spec Sheet

L3PNB

LED BACKLIT PANEL

3 CCT and 3 Power Selectable

Stanpro's L3PNB LED panel lights utilize next-generation back-lit technology, ensuring high performance, superior uniformity, and reduced glare. Featuring a 120-347 V driver and the versatility to change the color temperature and lumen output with a simple switch, the L3PNB series is the premier and cost-effective solution for reducing stocking inventory. These commercial grade LED panels lights are the ideal replacement for traditional fluorescent fixtures in offices, schools, and commercial buildings.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- White aluminum alloy frame
- PMMA LED lens
- CCT and Power Selectable switches are placed on the driver box

Mounting

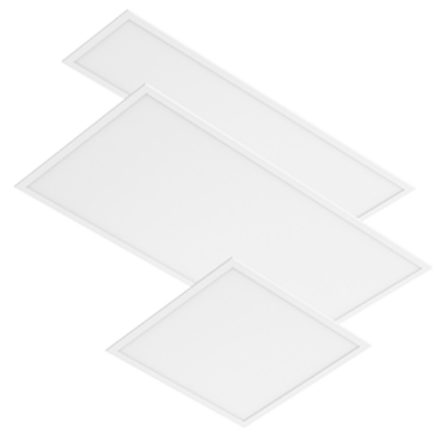
- Recessed, suspended or surface

• Performance Data

- Available in 4 000 K single color temperature or 3 500/4 000/5 000 K selectable color temperature
- 82+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 120 000 hours to L70
- 0-10 V dimming standard
- 1.5 kV surge protection
- Operating temperature: -20 °C to 35 °C (-4 °F to 95 °F)

• Compliances

- cULus listed for damp locations
- IC rated
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- DLC Premium and Standard
- Conforms to NSF STD. 2 and certified to be used in food handling applications
- Conforms to:
 - CAN/ULC-S102.3-07: Standard method of fire test of light diffusers and lenses
 - CAN/ULC-S102.2-10: Standard method of test for surface burning characteristics of flooring, floor coverings, and miscellaneous materials and assemblies



OVERVIEW

Light source	LED
Watts (W)	20/30/40 30/40/50 50
Lumen output (lm)	2 650-6 600
Efficacy (lm/W)	112-138
Color temperature (K)	3 500/4 000/5 000 4 000
CRI	82+



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) ¹	Lumen output (lm) ^{2,3}	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Dimming (Yes/No)	Power factor	THD (%)	Master case qty
DLC Standard													
2'x4'													
68330	L3PNB-4LS1-Q/40K	50	120-347	4 000	5 600	112	82+	120 000	10 000	Yes	0.90	<25	2
DLC Premium													
1'x4'													
70181	L3PNB-G2-1LPS40P-Q/3C	20/30/40	120-347	3 500/4 000/5 000	2 750/4 000/5 100	127	82+	120 000	10 000	Yes	0.90	<20	2 ⁵
2'x2'													
70182	L3PNB-G2-2LPS40P-Q/3C	20/30/40	120-347	3 500/4 000/5 000	2 750/4 000/5 100	127	82+	120 000	10 000	Yes	0.90	<20	2 ⁵
2'x4'													
70183	L3PNB-G2-4LPS50P-Q/3C	30/40/50	120-347	3 500/4 000/5 000	4 100/5 400/6 600	132	82+	120 000	10 000	Yes	0.90	<20	2 ⁵

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.⁵ Standard packaging is 2 panels per master case without individual box.

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
70181	L3PNB-G2-1LPS40P-Q/3C	20	2 650	133	2 750	138	2 750	138
		30	3 900	130	4 000	133	4 000	133
		40	5 000	125	5 100	128	5 100	128
70182	L3PNB-G2-2LPS40P-Q/3C	20	2 650	133	2 750	138	2 750	138
		30	3 900	130	4 000	133	4 000	133
		40	5 000	125	5 100	128	5 100	128
70183	L3PNB-G2-4LPS50P-Q/3C	30	4 000	133	4 100	137	4 100	137
		40	5 300	130	5 400	135	5 400	135
		50	6 500	130	6 600	132	6 600	132

DEFAULT PROGRAMMING

70181: 40 W / 4 000 K

70182: 40 W / 4 000 K

70183: 50 W / 4 000 K

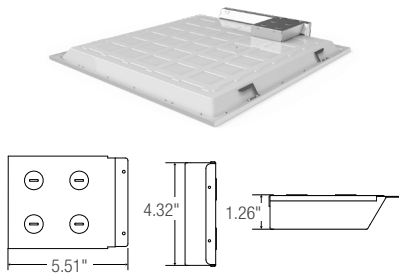
DLC UNIQUE ID TABLE

Order code	Model number	DLC Premium Unique ID		DLC Standard Unique ID	
		Ambient Lighting	Low Bay	Ambient Lighting	Low Bay
68330	L3PNB-4LS1-Q/40K	-	-	PLY7U6SGIKQH	-
70181	L3PNB-G2-1LPS40P-Q/3C	S-881NOK	-	-	-
70182	L3PNB-G2-2LPS40P-Q/3C	S-TBK60S	-	-	S-BHYZXD
70183	L3PNB-G2-4LPS50P-Q/3C	S-4WVTQQ	S-N934V8	-	-

ACCESSORIES (order separately)

Order code	Type	Compatible with
63490	Drywall Kit	1'x4'
67164	Drywall Kit	2'x2'
63491	Drywall Kit	2'x4'
68455	Surface Mount Kit	1'x4'
68456	Surface Mount Kit	2'x2'
68457	Surface Mount Kit	2'x4'
68458	Suspension Kit	1'x4', 2'x2' & 2'x4'
68523	Junction Box Add-On	68330

68523
Junction Box Add-On



FRAME VIEW



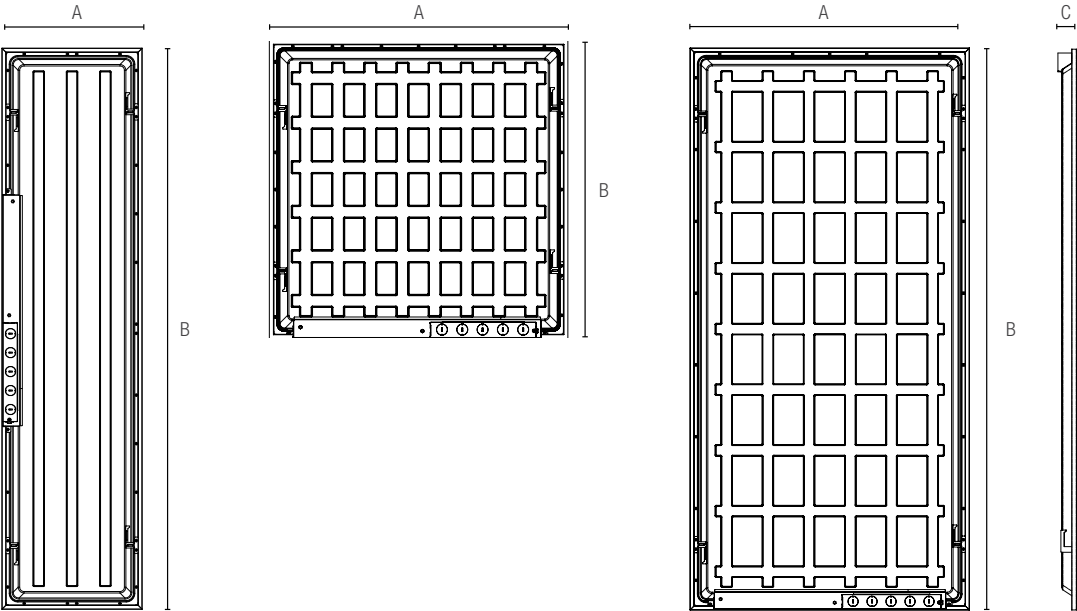
68330



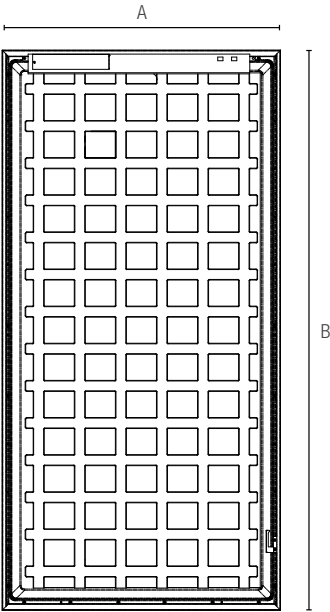
70181, 70182 & 70183

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

DIMENSIONS AND WEIGHTS



	1'x4' (70181)	2'x2' (70182)	2'x4' (70183)
A in. (cm)	11 7/8 (30.3)	23 3/4 (60.3)	23 3/4 (60.3)
B in. (cm)	47 3/4 (121.3)	23 3/4 (60.3)	47 3/4 (121.3)
C in. (cm)	1 5/8 (4)	1 5/8 (4)	1 5/8 (4)
Net weight (lbs)	4.2	3.9	7.6



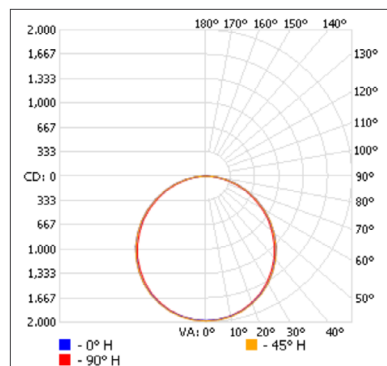
	2'x4' (68330)
A in. (cm)	23 3/4 (60.3)
B in. (cm)	47 3/4 (121.3)
C in. (cm)	2 3/8 (6.2)
Net weight (lbs)	8.7

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GENERAL LIGHTING PHOTOMETRIC DATA¹

68330 • L3PNB-4LS1-Q/40K • 5 898.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 546.0	26.2
0-40	2 539.8	43.1
0-60	4 531.4	76.8
60-90	1 363.7	23.1
70-100	621.1	10.5
90-120	3.7	0.1
0-90	5 895.1	99.9
90-180	3.7	0.1
0-180	5 898.8	100

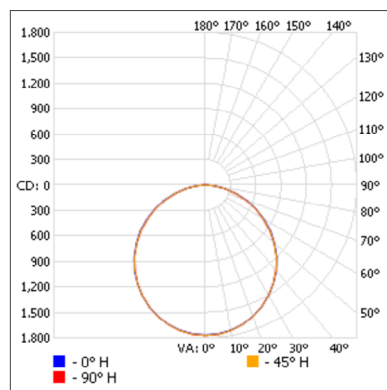
Illuminance at a distance

Center beam fc	Beam width
2.0'	493.9
4.0'	123.5
6.0'	54.9
8.0'	30.9
10.0'	19.8

Vert. spread: 115.5°
Horiz. spread: 113.4°

70181 • L3PNB-G2-1LPS40P-Q/3C • 40 W • 4 000 K • 5 177.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 375.2	26.6
0-40	2 256.3	43.6
0-60	4 013.0	77.5
60-90	1 163.9	22.5
70-100	514.7	9.9
90-120	0.9	0
0-90	5 176.9	100
90-180	0.9	0
0-180	5 177.8	100

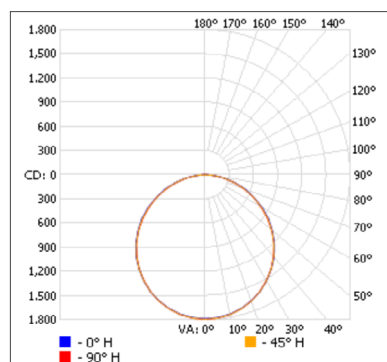
Illuminance at a distance

Center beam fc	Beam width
2.0'	441.5
4.0'	110.4
6.0'	49.1
8.0'	27.6
10.0'	17.7

Vert. spread: 114.5°
Horiz. spread: 113.4°

70182 • L3PNB-G2-2LPS40P-Q/3C • 40 W • 4 000 K • 5 250.2 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 394.4	26.6
0-40	2 287.9	43.6
0-60	4 069.2	77.5
60-90	1 180.2	22.5
70-100	521.9	9.9
90-120	0.9	0
0-90	5 249.3	100
90-180	0.9	0
0-180	5 250.2	100

Illuminance at a distance

Center beam fc	Beam width
2.0'	447.7
4.0'	111.9
6.0'	49.7
8.0'	28.0
10.0'	17.9

Vert. spread: 114.5°
Horiz. spread: 113.4°

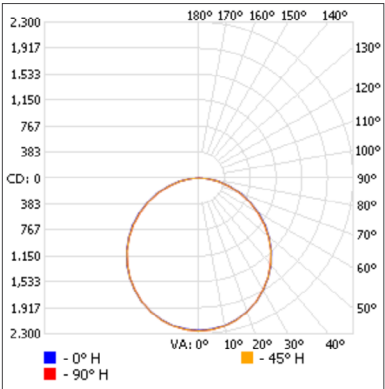
¹ Complete IES files available on our website.

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GENERAL LIGHTING PHOTOMETRIC DATA¹

70183 • L3PNB-G2-4LPS50P-Q/3C • 50 W • 4 000 K • 6 596.4 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 751.9	26.6
0-40	2 874.5	43.6
0-60	5 112.5	77.5
60-90	1 482.8	22.5
70-100	655.7	9.9
90-120	1.1	0
0-90	6 595.3	100
90-180	1.1	0
0-180	6 596.4	100

Illuminance at a distance

Center beam fc		Beam width	
2.0'	562.4	6.2'	6.1'
4.0'	140.6	12.4'	12.2'
6.0'	62.5	18.7'	18.3'
8.0'	35.2	24.9'	24.3'
10.0'	22.5	31.1'	30.4'
Vert. spread: 114.5°		Horiz. spread: 113.4°	

¹ Complete IES files available on our website.

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