

Project: _____

Type: _____

Drawn by: _____ Catalogue #: _____

Date: _____

L3PNB

LED BACKLIT PANEL

3 CCT and 3 Power Selectable

OPTIONAL EMERGENCY REMOTE

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 Select switches are placed on the driver box

Mounting

- Recessed, suspended, 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
- 1.5kV surge protection
- Ambient temperature: -20 °C to 35 °C (-4 °F to 95 °F)
- Operating temperature with LINK (69088, 68330, 69051, 69052): -20 °C to 25 °C (-4 °F to 77 °F)

• Optional Emergency Lighting

(69088, 68330, 69051, 69052)

LINK Normally ON Emergency LED Backlit Panel

- Consuming 11 W, 12 -24 V DC
- 200 mA constant current
- Delivers 1 007 - 1 146 lumens in emergency mode
- Ease of maintenance when used with Stanpro emergency lighting battery units complete with auto test function
- Complements Stanpro's normally ON LED panel family
- Patent pending

Please view the LINK specification section for more details on this technology

• Emergency Lighting Compliances

- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

• General Lighting Compliances

- cULus
- Suitable for damp locations
- IC rated
- Meets requirements of ICES-005 issue 5 for Class B products
- 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)	2 400 - 6 600
Efficacy (lm/W)	110 - 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.

¹ 5 year warranty for the LINK module.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Order code	Model number	DLC unique ID	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 (%)	Case qty (master)
DLC Standard														
1'X4'														
69088 ⁵	L3PNB-1LPS-Q/3C DPD	PLS7UQALM10Z	20/30/40	120-347	3 500/4 000/5 000	2 500/3 600/4 500	110	82+	120 000	10 000	Yes	0.9	<25	2
2'X4'														
68330	L3PNB-4LS1-Q/40K	PLY7U6SGIKQH	50	120-347	4 000	5 600	112	82+	120 000	10 000	Yes	0.9	<25	2
DLC Premium														
1'X4'														
69051 ⁵	L3PNB-1LPS40P-Q/3C	P1CUGAED	20/30/40	120-347	3 500/4 000/5 000	2 750/4 000/5 100	127	82+	120 000	10 000	Yes	0.9	<20	2
2'X2'														
69052 ⁵	L3PNB-2LPS40P-Q/3C	PUECZ2VU	20/30/40	120-347	3 500/4 000/5 000	2 750/4 000/5 100	127	82+	120 000	10 000	Yes	0.9	<20	2
2'X4'														
70183 ⁵	L3PNB-G2-4LPS50P-Q/3C	S-4WVTQQ	30/40/50	120-347	3 500/4 000/5 000	4 100/5 400/6 600	132	82+	120 000	10 000	Yes	0.9	<20	2

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)
DLC Standard								
69088	L3PNB-1LPS-Q/3C DPD	20	2 400	120	2 500	125	2 500	125
		30	3 500	117	3 600	120	3 600	120
		40	4 400	110	4 500	113	4 500	113
DLC Premium								
69051	L3PNB-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
69052	L3PNB-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

69088: 40 W / 4 000 K

69051: 40 W / 4 000 K

69052: 40 W / 4 000 K

70183: 50 W / 4 000 K

ORDERING GUIDE

(69088, 68330, 69051, 69052)

L3PNB	—		L	—		/		/	
Series	Size	Lamp type	Lumen Package (W) ¹	Volts (V)	Color Temperature (K) ³	Options			
L3PNB	1 - 1'X4'	L	PS - 20/30/40	Q - 100-347 W - 100-277 ²	40K - 4 000 3C - 3 500/4 000/5 000	DL -	Emergency back up ^{4,6}		
	2 - 2'X2'		PS40P - 20/30/40			EL -	LINK Normally ON emergency remote ^{4,5}		
	4 - 2'X4'		S1- 50			OS -	Occupancy Sensor ⁶		

¹ See IES files or lumen specification table for more details.² Offered with DL and OS options.³ 40 K offered only with S1 lumen package, 3C offered with PS and PS40P lumen packages.⁴ Suspended and surface mounting is not available when DL and EL options are selected.⁵ When in emergency mode, luminaire only consumes 11 W.⁶ Only available for 120-277 V.

For emergency lighting spacing, please see page 8.

LINK TECHNICAL SPECIFICATIONS TABLE

(69088, 68330, 69051, 69052)

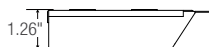
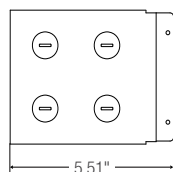
Lumen package	Watts(W)	LINK Watts (W)	LINK Lumen output (lm)
1'X4'			
1LPS	20	11	1 111
	30		1 007
	40		1 035
1LPS40P	20		1 146
	30		1 146
	40		1 146
2'X2'			
2LPS40P	20	11	1 146
	30		1 146
	40		1 146
2'X4'			
4LS1	50	11	1 028

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.

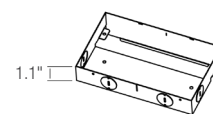
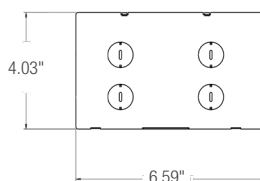
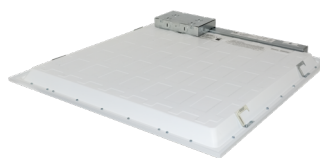
ACCESSORIES (order separately)

Order code	Type	Compatible with
63490	Drywall Kit	1X4
67164	Drywall Kit	2X2
63491	Drywall Kit	2X4
68455	Surface Mount Kit	1X4
68456	Surface Mount Kit	2X2
68457	Surface Mount Kit	2X4
68458	Suspension Kit	1X4, 2X2, 2X4
68523	Junction Box Gen. 1	68330
69347	Junction Box Gen. 2	69088 69051 69052

JUNCTION BOX GEN. 1



JUNCTION BOX GEN. 2



FRAME VIEW



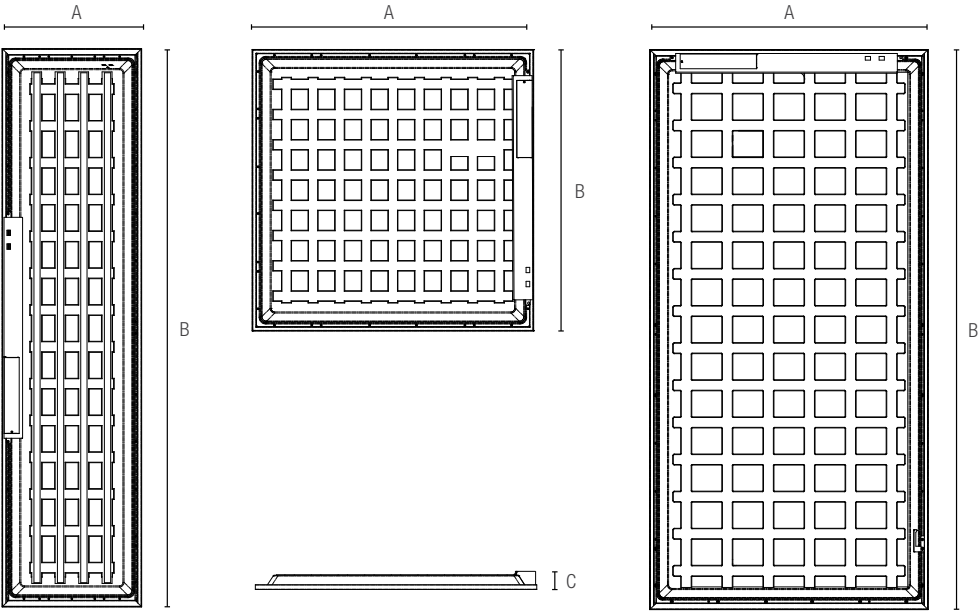
69088, 68330, 69051, 69052



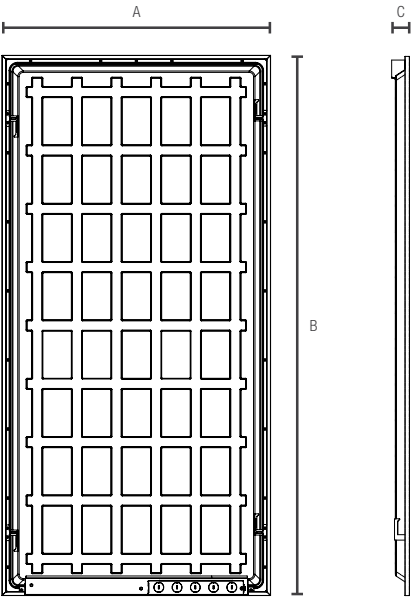
70183

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DIMENSIONS AND WEIGHTS



	1'x4' (69088, 69051)	2'x2' (69052)	2'x4' (68330)
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)	2 3/8 (6.2)
Net weight (lbs)	4.6	4.4	8.7



	2'x4' (70183)
A in. (cm)	23 3/4 (60.3)
B in. (cm)	47 3/4 (121.3)
C in. (cm)	1 5/8 (4)
Net weight (lbs)	7.6

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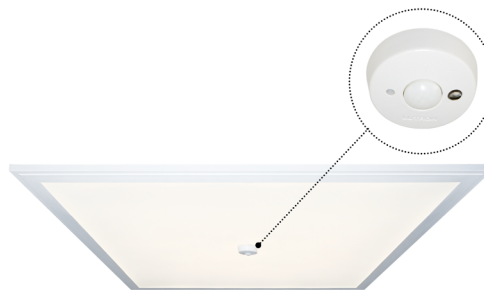
OCCUPANCY SENSOR

DEFAULT PROGRAMMING

Timeout:	15 min
Occupancy Sensor:	Enabled
Daylight Sensor:	Enabled
Occupancy sensor sensitivity:	Medium

DETECTION PATTERN

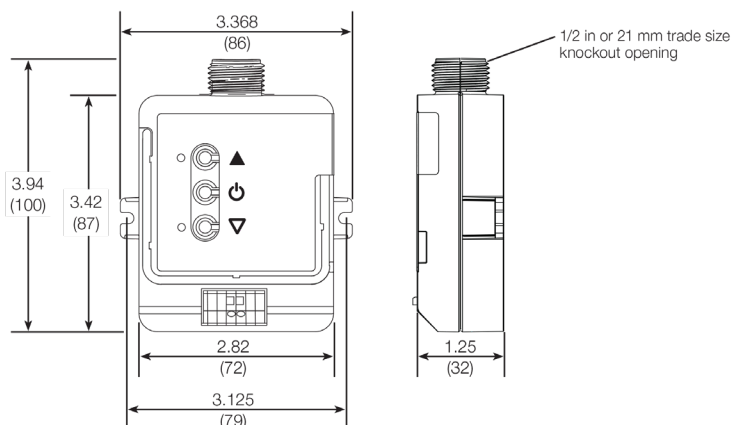
Detection Distance:	Up to 300 ft ² (27.9 m ²) major motion coverage and 150 ft ² (13.9 m ²) minor motion coverage
Detection Angle:	360°



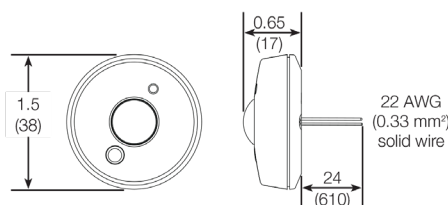
DIMENSIONS

Measurements shown as: in (mm)

Wireless Fixture Control



Sensor



Fixture Sensor Specifications:

- Complies with requirements for use in other spaces used for environmental air (plenums) per NEC® 2014 300.22(C)(3)
- cULus Listed
- Operating voltage: 12 V, operating current: 25 mA
- IEC SELV / NEC® Class 2
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0%–90% humidity, non-condensing; indoor use only
- 5 Year Limited Warranty. For additional Warranty information, please visit: www.lutron.com/TechnicalDocumentLibrary/Sensor_Warranty.pdf
- Sensor wires are IEC SELV / NEC® Class 2 rated

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LINK

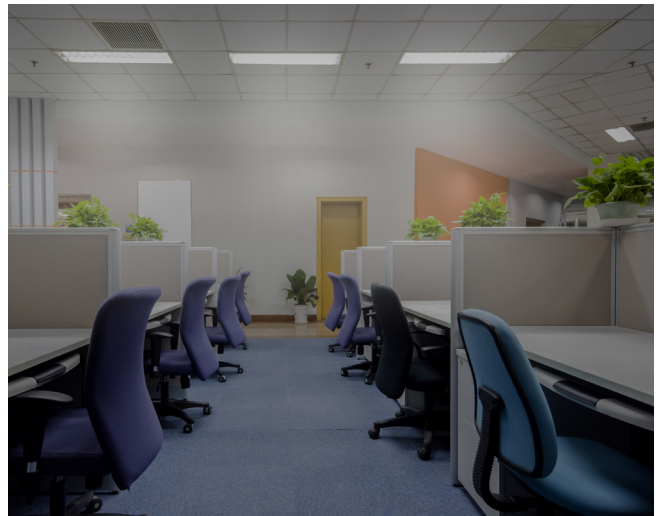
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

This luminaire can be used with an emergency backup powered by either a 12 V or 24 V DC Stanpro battery unit, complete with or without auto test.

NORMAL MODE



EMERGENCY MODE



TYPICAL SPECIFICATION

Supply and install Stanpro LINK _____ ft, LED Backlit Panel, Model number: _____ remote normally ON emergency luminaire, CSA C22.2 141-15 certified and meet the requirements prescribed by ICES-005. Normally ON when AC is present and when connected to a Stanpro battery unit complete with or without auto test, the luminaire shall act as an emergency lighting remote and consume 11 W of DC power in _____ V producing 1 007- 1 146 lumens in emergency mode.

The remote normally ON emergency luminaire shall be powered by a Stanpro emergency lighting battery unit as described herein and shown on the drawings. The Stanpro auto diagnostic micro-controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz and be CSA listed. The unit shall have an output of: ____V and ____W. The charge voltage factory set to $\pm 1\%$ tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge.

The automated testing performed by the Stanpro auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month, a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements.

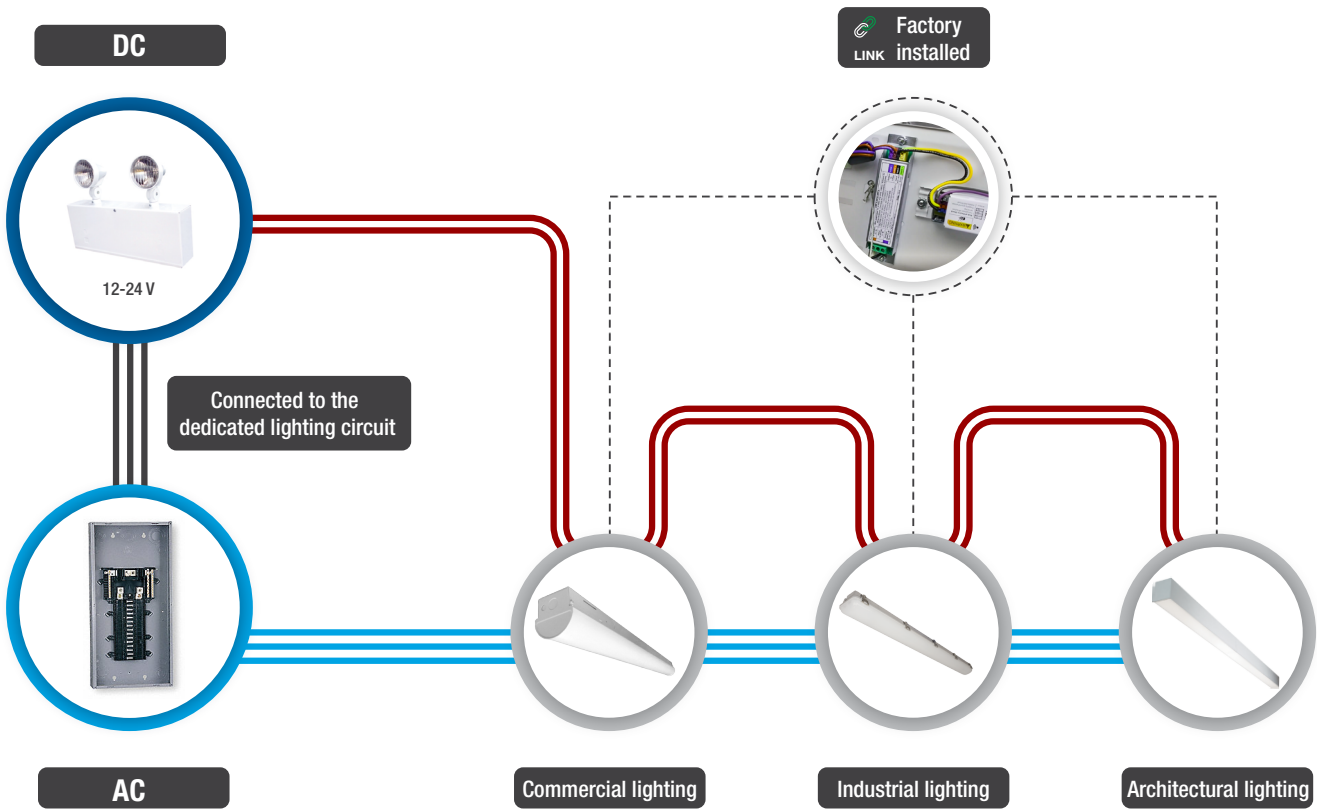
The unit shall be Stanpro model: SL_____

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LINK
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

LINK Wiring Diagram

LINK
remote
normally ON
emergency lighting
luminaire



LEGEND

- AC wires Connected to the dedicated lighting circuit DC wires LINK factory installed

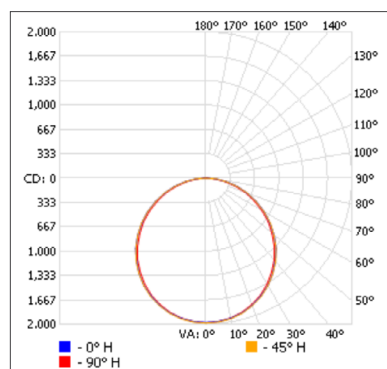
Emergency mode	Spacing
L3PNB	Average spacing for 1 out of every 4 luminaires, normally ON in the path of egress, when at 8, 10, or 12 foot mounting heights.

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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

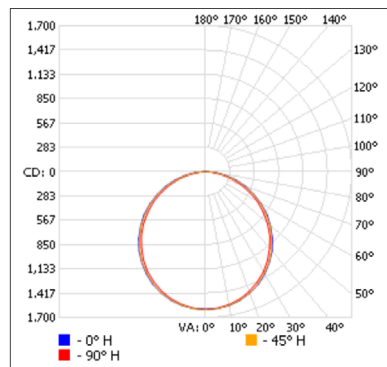
Center beam fc	Beam width
2.0'	493.9
4.0'	123.5
6.0'	54.9
8.0'	30.9
10.0'	19.8



Vert. spread: 115.5° Hor. spread: 113.4°

69088 • L3PNB-1LPS-Q/3C DPD • 40 W • 4 000 K • 4 707.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 250.1	26.6
0-40	2 050.5	43.6
0-60	3 643.7	77.4
60-90	1 062.7	22.6
70-100	472.3	10
90-120	1.0	0
0-90	4 706.4	100
90-180	1.0	0
0-180	4 707.3	100

Illuminance at a distance

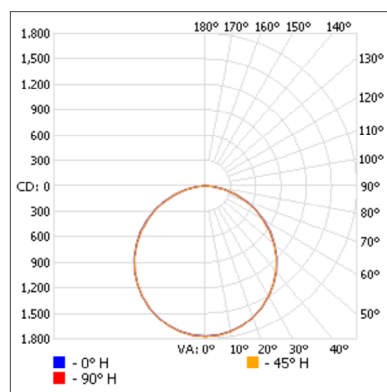
Center beam fc	Beam width
2.0'	500.1
4.0'	125.0
6.0'	55.6
8.0'	31.3
10.0'	20.0



Vert. spread: 113.4° Hor. spread: 113.5°

69051 • L3PNB-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°

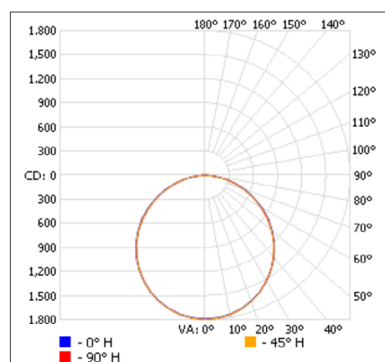
¹ Complete IES files available on our website.

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.

GENERAL LIGHTING PHOTOMETRIC DATA¹

69052 • L3PNB-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

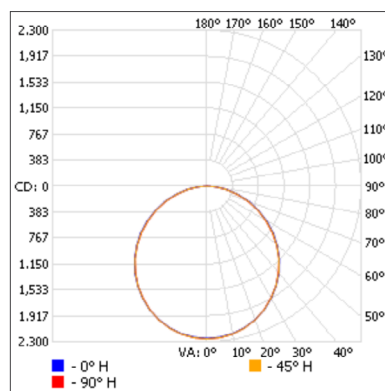
Illuminance at a distance

Center beam fc		Beam width	
2.0'	447.7	6.2'	6.1'
4.0'	111.9	12.4'	12.2'
6.0'	49.7	18.7'	18.3'
8.0'	28.0	24.9'	24.3'
10.0'	17.9	31.1'	30.4'

Vert. spread: 114.5° Hor. spread: 113.4°

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.