

L3PNL

RECESSED LED IC PANEL

1'x4', 2'x2', 2'x4'

L3PNL is a series of energy-saving, super bright and environmentally friendly panel lights. The beam was designed with a wide angle to help provide a uniform light output making it comfortable to the eye and an ideal replacement for fluorescent fixtures in offices, schools and a variety of other commercial or industrial applications. Designed for insulated ceiling applications for general and task lighting.

FEATURES AND SPECIFICATIONS

• Construction

Housing and finishing

Frame is made of aluminum with a white finish. Comes complete with earthquake clips.

Mounting

Recessed inverted T-Bar ceilings, grid mount. Dry wall and surface kits available as options.

• Electrical

120-277V and 120-347V electronic driver with 0-10V dimming standard. Long life LED that provide 80+ CRI, standard in 3000K, 3500K, 4000K and 5000K. Estimated lifespan of over 60,000 hours to L70. Colour consistency (SDCM) is 3 step MacAdam ellipse.

Emergency back up available contact factory.

Ambient temperature

– Working temperature: -20°C ~ +45°C

– Storage temperature: -25°C ~ +65°C

Beams

– Beam angle: 120°

• Compliances

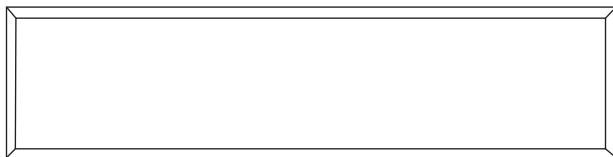
- cULus
- cCSAus listed for damp location
- Meets requirements of ICES-005
- Conforms to:
 - STANDARD METHOD OF TEST FOR SURFACE BURNING: CAN/ULC-S102.2-10
 - STANDARD METHOD OF FIRE TEST OF LIGHT DIFFUSERS AND LENSES: CAN/ULC-S102.3-07

TM21 TABLE

Time (t) at which to estimate lumen maintenance (hours)	110,000
Lumen maintenance at time (t) (%)	70.57%
Calculated L70 (hours)	110,000
Reported L70 (hours)	>60,000

DIMENSIONS

TOP VIEW



Dimensions	
1'x4'	47.75" x 11.81"
2'x2'	23.74" x 23.74"
2'x4'	47.75" x 23.74"

SIDE VIEW



Project: _____

Type: _____

Catalogue #: _____

Drawn by: _____

Date: _____



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.

OVERVIEW

Light source	LED
Wattage	40W - 60W
Lumens	4513lm - 6600lm
lm/W	105lm/W - 119lm/W
Colour temperature	3000K, 3500K, 4000K, 5000K
CRI	80+
Weight	1x4: 11.5 lbs, 2x2: 11 lbs, 2x4: 20 lbs

10 This warranty is conditioned upon proper installation, use and maintenance. For more details please consult stanprols.com/warranty/.

QUICK SHIP ORDERING GUIDE ⓘ🕒*

Part number	Size	Wattage	Lumens	Voltage	Colour temperature	LM/W	PF	CRI	THD
120-277V									
L3PNL-1LS2-W/30K	1x4	45W	5032	120-277V	3000K	111lm/W	0.901	80+	21%
L3PNL-1LS2-W/35K	1x4	45W	4950	120-277V	3500K	110lm/W	0.901	80+	21%
L3PNL-1LS2-W/40K	1x4	45W	5175	120-277V	4000K	115lm/W	0.901	80+	21%
L3PNL-1LS2-W/50K	1x4	45W	5175	120-277V	5000K	115lm/W	0.900	80+	21%
L3PNL-2LS2-W/30K	2x2	45W	4899	120-277V	3000K	108lm/W	0.901	80+	21%
L3PNL-2LS2-W/35K	2x2	45W	4950	120-277V	3500K	110lm/W	0.901	80+	21%
L3PNL-2LS2-W/40K	2x2	45W	5175	120-277V	4000K	115lm/W	0.901	80+	21%
L3PNL-2LS2-W/50K	2x2	45W	5175	120-277V	5000K	115lm/W	0.901	80+	20%
L3PNL-4LS0-W/40K	2x4	40W	4600	120-277V	4000K	115lm/W	0.941	80+	14%
L3PNL-4LS1-W/30K	2x4	60W	6446	120-277V	3000K	105lm/W	0.903	80+	19%
L3PNL-4LS1-W/35K	2x4	60W	6300	120-277V	3500K	105lm/W	0.903	80+	19%
L3PNL-4LS1-W/40K	2x4	60W	6600	120-277V	4000K	110lm/W	0.903	80+	19%
L3PNL-4LS1-W/50K	2x4	60W	6600	120-277V	5000K	110lm/W	0.901	80+	19%

120-347V									
L3PNL-1LS2-Q/30K	1x4	40W	4513	120-347V	3000K	111lm/W	0.901	80+	17%
L3PNL-1LS2-Q/35K	1x4	40W	4400	120-347V	3500K	110lm/W	0.900	80+	17%
L3PNL-1LS2-Q/40K	1x4	40W	4400	120-347V	4000K	110lm/W	0.900	80+	17%
L3PNL-1LS2-Q/50K	1x4	40W	4400	120-347V	5000K	110lm/W	0.900	80+	19%
L3PNL-2LS2-Q/30K	2x2	40W	4572	120-347V	3000K	119lm/W	0.917	80+	18%
L3PNL-2LS2-Q/35K	2x2	40W	4400	120-347V	3500K	110lm/W	0.937	80+	15%
L3PNL-2LS2-Q/40K	2x2	40W	4600	120-347V	4000K	115lm/W	0.937	80+	15%
L3PNL-2LS2-Q/50K	2x2	40W	4600	120-347V	5000K	115lm/W	0.935	80+	15%
L3PNL-4LS1-Q/30K	2x4	60W	6747	120-347V	3000K	111lm/W	0.900	80+	18%
L3PNL-4LS1-Q/35K	2x4	60W	6600	120-347V	3500K	110lm/W	0.900	80+	18%
L3PNL-4LS1-Q/40K	2x4	60W	6600	120-347V	4000K	110lm/W	0.900	80+	18%
L3PNL-4LS1-Q/50K	2x4	60W	6600	120-347V	5000K	110lm/W	0.900	80+	18%

* **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

Comments

LUMEN AND SPECIFICATION CHART

General specifications											Lumen maintenance		
Package	Size	Input voltage (V)	LED current (mA)	System power (W)	Lumens	LM/W	CCT	CRI	PF	TDH	Reported L70	Calculated TM21 @ 55°C	LM80 @ (Hrs)
120-277V													
L3PNL-1LS2-W/30K	1x4	120-277V	451-219mA	45.27W	5032.1	111.16 lm/W	2987K	83.2	0.9011 (90.11%)	21.25%	>60,000	110,000	10,000
L3PNL-1LS2-W/35K	1x4	120-277V	451-219mA	45W	4950	110 lm/W	3500K	83.2	0.9 (90%)	21.25%	>60,000	110,000	10,000
L3PNL-1LS2-W/40K	1x4	120-277V	451-219mA	45W	5175	115 lm/W	4000K	83.2	0.9 (90%)	21.25%	>60,000	110,000	10,000
L3PNL-1LS2-W/50K	1x4	120-277V	451-219mA	45W	5175	115 lm/W	5000K	82.8	0.9 (90%)	20.92%	>60,000	110,000	10,000
L3PNL-2LS2-W/30K	2x2	120-277V	430-210mA	45.18W	4899.3	108.44 lm/W	2912K	81.7	0.9166 (91.66%)	20.56%	>60,000	110,000	10,000
L3PNL-2LS2-W/35K	2x2	120-277V	430-210mA	45W	4950	110 lm/W	3500K	81.7	0.9366 (93.66%)	20.56%	>60,000	110,000	10,000
L3PNL-2LS2-W/40K	2x2	120-277V	430-210mA	45W	5175	115 lm/W	4000K	81.7	0.9366 (93.66%)	20.56%	>60,000	110,000	10,000
L3PNL-2LS2-W/50K	2x2	120-277V	430-210mA	45W	5175	115 lm/W	5000K	82.7	0.9353 (93.53%)	20.02%	>60,000	110,000	10,000
L3PNL-4LS0-W/40K	2x4	120-277V	450-160mA	40W	4600lm	115lm/W	4000K	84.8	0.9413 (94.13%)	14.49%	>60,000	110,000	10,000
L3PNL-4LS1-W/30K	2x4	120-277V	576-274mA	61.33W	6446	105.1 lm/W	3035K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
L3PNL-4LS1-W/35K	2x4	120-277V	576-274mA	60W	6300	105 lm/W	3500K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
L3PNL-4LS1-W/40K	2x4	120-277V	576-274mA	60W	6600	110 lm/W	4000K	83.8	0.9026 (90.26%)	18.62%	>60,000	110,000	10,000
L3PNL-4LS1-W/50K	2x4	120-277V	576-274mA	60W	6600	110 lm/W	5000K	83.7	0.9011 (90.11%)	18.70%	>60,000	110,000	10,000

120-347V													
L3PNL-1LS2-Q/30K	1x4	120-347V	988-990mA	40.63W	4513	111.8 lm/W	3105K	84	0.901 (90.1%)	17.23%	>60,000	110,000	10,000
L3PNL-1LS2-Q/35K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	3500K	84	0.9 (90%)	17.23%	>60,000	110,000	10,000
L3PNL-1LS2-Q/40K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	4000K	84	0.9 (90%)	17.23%	>60,000	110,000	10,000
L3PNL-1LS2-Q/50K	1x4	120-347V	988-990mA	40W	4400	110 lm/W	5000K	83.2	0.9 (90%)	18.62%	>60,000	110,000	10,000
L3PNL-2LS2-Q/30K	2x2	120-347V	982-985mA	38.46W	4572	118.88 lm/W	2981K	82.9	0.9166 (91.66%)	18.03%	>60,000	110,000	10,000
L3PNL-2LS2-Q/35K	2x2	120-347V	982-985mA	40W	4400	110 lm/W	3500K	82.9	0.9366 (93.66%)	15.03%	>60,000	110,000	10,000
L3PNL-2LS2-Q/40K	2x2	120-347V	982-985mA	40W	4600	115 lm/W	4000K	82.9	0.9366 (93.66%)	15.03%	>60,000	110,000	10,000
L3PNL-2LS2-Q/50K	2x2	120-347V	982-985mA	40W	4600	115 lm/W	5000K	83.9	0.9353 (93.53%)	15.11%	>60,000	110,000	10,000
L3PNL-4LS1-Q/30K	2x4	120-347V	1497-1504mA	60.78W	6747	111.01 lm/W	3154K	84	0.8997 (89.97%)	18.45%	>60,000	110,000	10,000
L3PNL-4LS1-Q/35K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	3500K	84	0.9 (90%)	18.45%	>60,000	110,000	10,000
L3PNL-4LS1-Q/40K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	4000K	84	0.9 (90%)	18.45%	>60,000	110,000	10,000
L3PNL-4LS1-Q/50K	2x4	120-347V	1497-1504mA	60W	6600	110 lm/W	5000K	82.7	0.9 (90%)	18.20%	>60,000	110,000	10,000

ACCESSORIES (order separately)

PF-DWK-1X4	Dry wall kit for 1'x4'
PF-DWK-2X2	Dry wall kit for 2'x2'
PF-DWK-2X4	Dry wall kit for 2'x4'
CAS896-1	Surface kit for 1'x4'
CAS896-2	Surface kit for 2'x2'
CAS896-4	Surface kit for 2'x4'
KIT-ACC-10-DIM	10' Suspension cable kit with canopy and dimming wire
KIT-ACC-10	10' Suspension cable kit with canopy (no dimming)
KIT-AC-10	10' Suspension aviation cable (no canopy, no dimming)

Transform your LED panel into a versatile advertising and signage solution by adding a branded graphic film to promote your brand. Fill the mounting table, the quantity required and the panel's characteristics on the product guide.

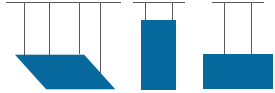
MOUNTING

RECESSED (standard)



T-bar or drywall

SUSPENDED (adjustable height)



Horizontal Vertical portrait Vertical landscape

SURFACE



Vertical portrait Vertical landscape

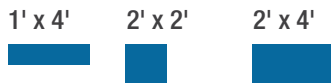


Suspension kit:
Aviation cable and power cable

Mounting	
Recessed	Blank
Suspended	Horizontal (ceiling)
	Vertical portrait
	Vertical landscape
Surface	Vertical portrait
	Vertical landscape

Quantity

DIMENSIONS



Dimensions	
1'x4'	47.75" x 11.81"
2'x2'	23.74" x 23.74"
2'x4'	47.75" x 23.74"

ORDERING GUIDE

Series	Size	Lumen package delivered*	Voltage	Colour temperature	Options
L3PNL	1 - 1'x4'	LS2 - 5032 lm (45W)	W - 120-277V	30K - 3000K	ART - Artwork***
	2 - 2'x2'	LS2 - 4899 lm (45W)	Q - 120-347V	35K - 3500K	
	4 - 2'x4'	LS0 - 4600lm (40W)** LS1 - 6446lm (60W)		40K - 4000K (standard) 50K - 5000K	

* Approximate lumens at 3000K - 120-277V. Please consult IES files for details.

** Only available in 4000K - 120-277V.

*** Images for Artwork: Customer to supply the artwork, which is a high resolution image of at least 300 dpi or EPS (Vector format).

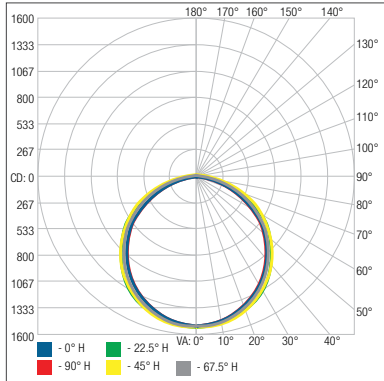
QUICK SHIP: Not all products are Quick Ship. To view our Quick Ship qualified products, please consult our Quick Ship Product Guide at stanpro.com/quick-ship-product-guide. Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

10 This warranty is conditioned upon proper installation, use and maintenance.

PHOTOMETRIC DATA

L3PNL-1LS2-Q/40K • 4598.2lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1193.6	26%
0-40	1963.1	42.7%
0-60	3509.0	76.3%
60-90	1038.6	22.6%
70-100	469.2	10.2%
90-120	17.8	0.4%
0-90	4547.6	98.9%
90-180	50.5	1.1%
0-180	4598.2	100%

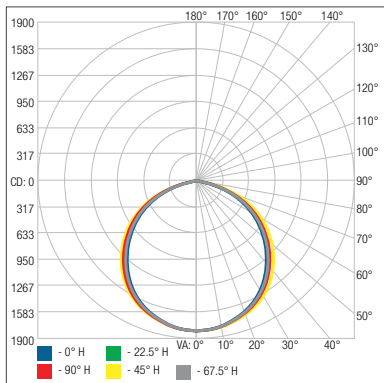
Illuminance at a distance

Center beam fc	Beam width
1.7'	530 fc
3.3'	141 fc
5.0'	61.2 fc
6.7'	34.1 fc
8.3'	22.2 fc
10.0'	15.3 fc

Vert. spread: 111.0°

L3PNL-1LS2-W/40K • 5341.2lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1408.0	26.4%
0-40	2313.7	43.3%
0-60	4115.8	77.1%
60-90	1167.5	21.9%
70-100	510.3	9.6%
90-120	18.7	0.4%
0-90	5283.3	98.9%
90-180	57.9	1.1%
0-180	5341.2	100%

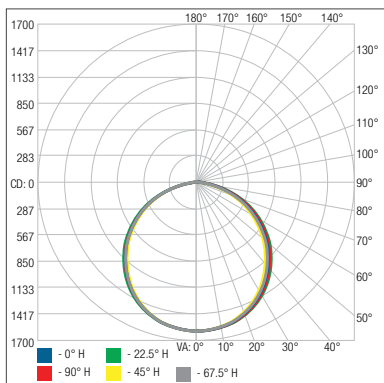
Illuminance at a distance

Center beam fc	Beam width
1.7'	624 fc
3.3'	166 fc
5.0'	72.2 fc
6.7'	40.2 fc
8.3'	26.2 fc
10.0'	18.0 fc

Vert. spread: 113.9°

L3PNL-2LS2-Q/40K • 4713.0lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1253.8	26.6%
0-40	2054.7	43.6%
0-60	3636.4	77.2%
60-90	1026.7	21.8%
70-100	453.2	9.6%
90-120	15.9	0.3%
0-90	4663.1	98.9%
90-180	49.9	1.1%
0-180	4713.0	100%

Illuminance at a distance

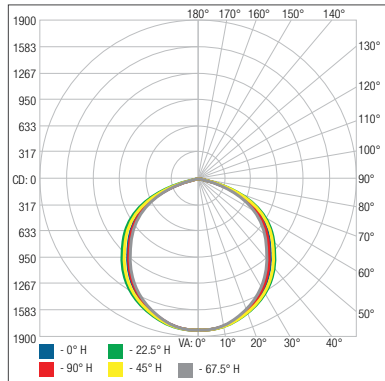
Center beam fc	Beam width
1.7'	558 fc
3.3'	148 fc
5.0'	64.6 fc
6.7'	36.0 fc
8.3'	23.4 fc
10.0'	16.1 fc

Vert. spread: 112.8°

PHOTOMETRIC DATA (cont'd)

L3PNL-2LS2-W/40K • 5343.6lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1415.3	26.5%
0-40	2319.2	43.4%
0-60	4107.0	76.9%
60-90	1179.1	22.1%
70-100	524.4	9.8%
90-120	18.9	0.4%
0-90	5286.1	98.9%
90-180	57.5	1.1%
0-180	5343.6	100%

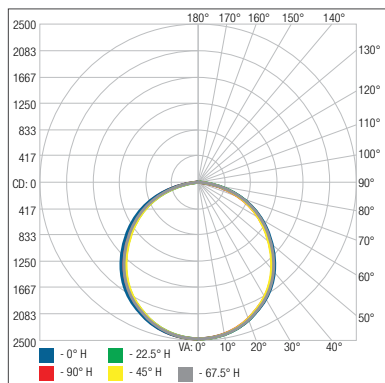
Illuminance at a distance

Center beam fc	Beam width
1.7'	630 fc
3.3'	167 fc
5.0'	72.8 fc
6.7'	40.6 fc
8.3'	26.4 fc
10.0'	18.2 fc

Vert. spread: 112.3°

L3PNL-4LS1-Q/40K • 7276.4lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1934.4	26.6%
0-40	3171.3	43.6%
0-60	5621.1	77.3%
60-90	1588.7	21.8%
70-100	699.9	9.6%
90-120	23.4	0.3%
0-90	7209.8	99.1%
90-180	66.6	0.9%
0-180	7276.4	100%

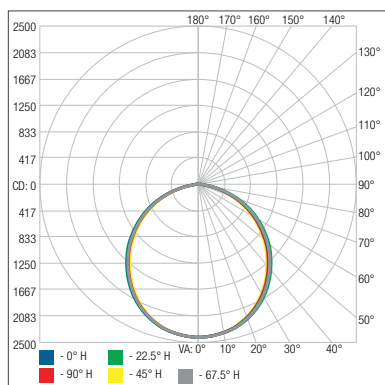
Illuminance at a distance

Center beam fc	Beam width
1.7'	861 fc
3.3'	229 fc
5.0'	99.5 fc
6.7'	55.4 fc
8.3'	36.1 fc
10.0'	24.9 fc

Vert. spread: 113.9°

L3PNL-4LS1-W/40K • 7023.0lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1866.3	26.6%
0-40	3059.7	43.6%
0-60	5426.6	77.3%
60-90	1533.2	21.8%
70-100	672.9	9.6%
90-120	22.2	0.3%
0-90	6959.8	99.1%
90-180	63.7	0.9%
0-180	7023.5	100%

Illuminance at a distance

Center beam fc	Beam width
1.7'	831 fc
3.3'	220 fc
5.0'	96.0 fc
6.7'	53.5 fc
8.3'	34.8 fc
10.0'	24.0 fc

Vert. spread: 113.7°

All products are subject to change or may be discontinued any time without notice.