FPNB Series
Field-Adjustable Direct-Lit LED Panel

PacLights

Project:	Type:
Prepared By:	**Date:**

OVERVIEW

The FPNB series is a Field-Adjustable Direct-Lit LED panel light designed to be used in various indoor applications. 1x4 and 2x2 models can be set to 25, 30 or 36W, and 2x4 models can be set to 30, 40 or 50W, in addition to the selectable CCT of 3500, 4000, or 5000K, each form factor of FPNB panels can be field-adjusted to 9 different configurations.

APPLICATIONS

FPNB is ideal for use in healthcare facilities, office spaces and classrooms, where lighting preferences vary from space to space.

- Field-Adjustable 3 light outputs
- White tunable 3 discrete CCT
- Limited Warranty: 5 Years
- Efficacy: up to 144 LPW
- Lumen Output: 3200 to 6600 LM
- Wattage: 25 - 50 W

ETL LISTED Intertek *DLC QPL LISTED*

Models

Model	Watts(W)*	Lumen(LM)*	Efficacy(LM/W)
FPNB22	25 - 36	3,412 - 4,939	up to 143
FPNB24	30 - 50	4,266 - 6,637	up to 144
FPNB14	25 - 36	3,233 - 4,441	up to 129

* All FPNB models are output wattage & color temperature field-adjustable. see reverse for detailed performance chart.

FIELD ADJUSTABLE | **0-10V DIMMING** | **EMERGENCY BACKUP AVAILABLE** | **MOTION CONTROL AVAILABLE**

Technical Specifications

Warranty

Paclights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

Qualifications

ETL Listing
Suitable for dry and damp locations
IESNA LM79 & IESNA LM-80 Testing
Paclights LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.
DLC Qualification
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

Construction

Ambient Temperature
Suitable for up to 40°C (104°F) ambient temperature
Lens
Frosted polystyrene
Housing
Lightweight aluminum housing
Mounting Methods
Recessed ceiling
Finish
Formulated for high durability and long-lasting color
Green Technology
Mercury and UV free, and RoHS compliant components.

LED Characteristics

Lifespan
75,000-hour LED Lifespan based on IES LM-80 results and TM-21 calculations.
Color Temperature
Field-adjustable 3500K / 4000K / 5000K
Color Rendering Index
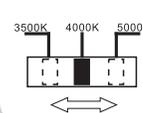CRI > 80

Electrical

Driver:
Constant Current, Class 2, 120-277v, 50/60Hz
0-10v dimmable LED drivers provides smooth and continuous dimming.
Power Factor >0.9
THD <15%
Wattage: 2x2 & 1x4 - 25/30/36w field-adjustable
2x4 - 30/40/50w field-adjustable

CCT & Output Field-Adjustable

3500K 4000K 5000K

CCT & Output DIP switch is divided into three gears, sliding left and right, can switch between different wattages and 3500K/4000K/5000K.
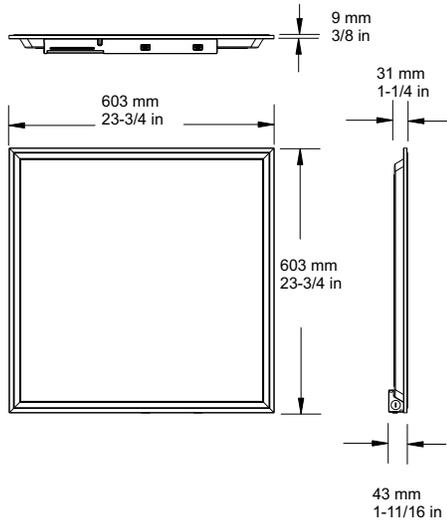
LED Emergency Backup Models

When there is a power outage, the battery will power the FPNB emergency models to an reduced brightness for at least 90 mins.
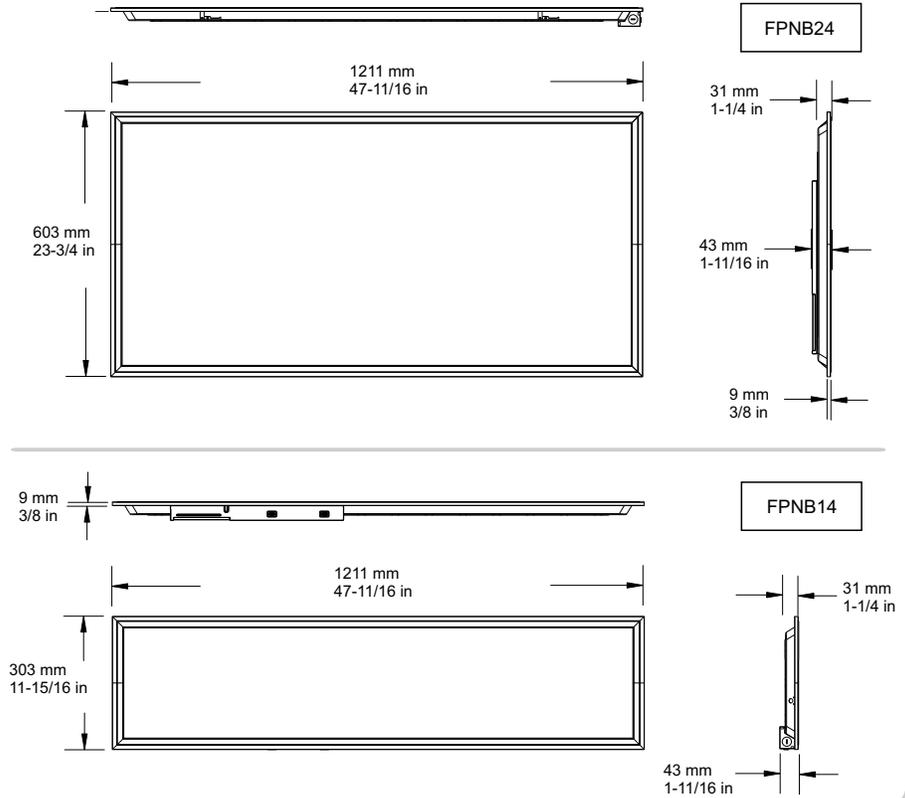
Ordering Matrix

Family	Model		Optional Function	Optional addons
FPNB				

	Model		Optional Function		Optional addons	
	14D30	1'x4' ;Field-adjustable 25/30/36W & 3500/4000/5000K	**[blank]**	No options	**[blank]**	No options
	22D36	2'x2' ;Field-adjustable 25/30/36W & 3500/4000/5000K	**EM**	Emergency Backup	**SM**	Surface mount kit
	24D50	2'x4' ;Field-adjustable 30/40/50W & 3500/4000/5000K	**MS**	Bi-level Motion Sensor	**DG**	Recessed drywall kit
					CK	Cable mount kit
					EMTR	Emergency Test Remote

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Dimensions

9 mm 3/8 in

603 mm 23-3/4 in

31 mm 1-1/4 in

603 mm 23-3/4 in

43 mm 1-11/16 in

FPNB22

1211 mm 47-11/16 in

603 mm 23-3/4 in

FPNB24

31 mm 1-1/4 in

43 mm 1-11/16 in

9 mm 3/8 in

9 mm 3/8 in

1211 mm 47-11/16 in

303 mm 11-15/16 in

FPNB14

31 mm 1-1/4 in

43 mm 1-11/16 in

Performance

1 X 4

	25W			30W			36W		
	3500K	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**
Lumens	3233	3256	3276	3779	3746	3827	4331	4393	4441
Efficacy (lm/W)	128	129	129	124	126	126	121	123	124
Color Accuracy (CRI)	80	82	82	80	82	82	80	82	82

2 X 2

	25W			30W			36W		
	3500K	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**
Lumens	3412	3620	3590	4048	4252	4253	4681	4843	4939
Efficacy (lm/W)	136	143	143	132	138	139	128	134	135
Color Accuracy (CRI)	80	82	82	80	82	82	80	82	82

2 X 4

	30W			40W			50W		
	3500K	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**	**3500K**	**4000K**	**5000K**
Lumens	4266	4405	4436	5386	5587	5601	6396	6622	6637
Efficacy (lm/W)	139	144	144	134	139	139	129	133	134
Color Accuracy (CRI)	80	82	82	80	82	82	80	82	82

AC-PAN-SM 14/22/24 Surface Mount Kit (optional)
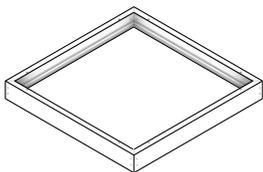
SKU	Description
AC-PAN-SM14	Surface Mount Kit for FPNB14
AC-PAN-SM22	Surface Mount Kit for FPNB22
AC-PAN-SM24	Surface Mount Kit for FPNB24

AC-PAN-DG 14/22/24 Recessed Drywall Kit (optional)
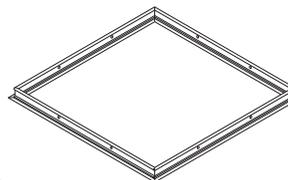
SKU	Description
AC-PAN-DG14	Recessed Kit for FPNB14
AC-PAN-DG22	Recessed Kit for FPNB22
AC-PAN-DG24	Recessed Kit for FPNB24

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Need help? Tech help line: **(800) 988-6386** Email: **cs@paclights.com** Website: **www.paclights.com**

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