

FPBS1

Applications

The FPBS1 recessed Lay-In Panel is ideal for commercial, office, retail, education, healthcare or anywhere T-Bar Lay-In Grid is found in 1' x 4', 2' x 2', and 2' x 4'. The FPBS1 cost-efficient panel provides even light distribution and improved energy savings over commonly used fluorescent troffer fixtures.



FPBS122A1UNVFD8CSLFG

Project Name:	
Catalog Number:	
Type:	
Note:	
Date:	



Construction & Design

- Easily accessible dip switches allow the user to select CCT and lumen output in the field providing flexibility to adapt to different work environment dynamics; 9 different configurations per unit
- Field adjustable CCT [3500K/4000K/5000K]
- 1' x 4', 2' x 2', or 2' x 4' sizes available
- Uniform light distribution across the lens provides better visual comfort for users
- PMMA optical lens with precise distribution pattern
- Efficacy of up to 140 LPW
- Minimum 80 CRI

Additional Options

- Field installed Battery Back Up available in 8w

Electrical

- Available in 120v-277v
- Standard 0-10v dimming drivers with 12v auxiliary output
- Power Factor > .90*
- Total Harmonic Distortion < 20%*

*Note: Varies based on option

Controls and Sensors

- Control ready option allows for fast and easy installation of sensors in the field

Lumen Maintenance*

- L90 - 43,000 hours
- L80 - 90,000 hours
- L70 - 144,000 hours

*Note: At 45C Ambient

Fixture Certification & Listings

- UL/cUL Listed
- Suitable for Damp Locations
- TAA Compliant
- Certified for Insulated Plenums [Type IC]
- DesignLights Consortium™ Premium qualified luminaire
- Visit the [DLC QPL](#) for listed models

Warranty

See Orion's [Product Limited Warranty](#) for more details and information

Performance Information, 120v, 4000K, ≥80 CRI¹

Nominal Lumen Code	Wattage	3500K		4000K		5000K	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
1' x 4'							
A1	18w	2,506lm	136	2,577lm	140	2,572lm	140
	27w	3,568lm	131	3,755lm	137	3,706lm	136
	37w	4,758lm	128	4,843lm	130	4,720lm	127
2' x 2'							
A1	18w	2,446lm	134	2,514lm	138	2,489lm	136
	27w	3,505lm	128	3,668lm	134	3,590lm	131
	39w	4,792lm	123	5,080lm	130	4,890lm	126
2' x 4'							
B1	28w	3,888lm	137	3,968lm	140	3,955lm	139
	38w	4,969lm	132	5,148lm	137	5,098lm	135
	47w	5,946lm	125	6,290lm	133	6,180lm	130

Physical Information²

Fixture Size	Nominal Lumen Code	Length	Width	Depth	Weight
1' x 4'	A1	47.76"	11.93"	1.46"	4.25lbs.
2' x 2'	A1	23.74"	23.74"	1.20"	4.10lbs.
2' x 4'	B1	47.76"	23.74"	1.20"	8.00lbs.

Ambient Operating Temperatures

Nominal Lumen Code	120-277v Range	With Battery Back Up
All Lumen Packages	-15°C - 45°C [5°F - 113°F]	Min. Operating Temp. 0°C [32°F]

Additional Specification Information

¹ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

² Weight and depth will vary based on option selection, weight includes brackets

Ordering Information Example (NOTE: No dashes or spaces unless noted below)
FPBS122A1UNVFD8CSLFG

Ordering Information (Enter Selected Catalog Number Below)

Series	Fixture Size	Nominal Lumen Code ³	Voltage	Fixture Type	CRI; Color Temp	Lens Options	Fixture Options	Packaging
Series	Fixture Size	Nominal Lumen Code ^{3**}	Voltage	Fixture Type	CRI; Color Temp**	Lens Options	Fixture Options	Packaging
FPBS1= TritonPro Flat Panel Backlit Selectable, Gen 1	14= 1' x 4'	1' x 4' A1= 2,500lm/ 3,750lm/ 5,000lm	UNV= 120v-277v	FD= Full Dimming 0-10v	8CS= 80 CRI; Selectable CCT 3500K/ 4000K/ 5000K	LFG= Lens, Frosted, General Distribution	(blank)= No Options CR= Control Ready*. ^{***} *Note: Sensors available under Field Installed Accessories on Page 4	(blank)= Bulk Pack (ships in packs of 2)
	22= 2' x 2'	2' x 2' A1= 2,500lm/ 3,750lm/ 5,000lm						
	24= 2' x 4'	2' x 2' A1= 2,500lm/ 3,750lm/ 5,000lm						
		2' x 4' B1= 3,750lm/ 5,000lm/ 6,250lm						

****Note:** All fixtures are set to the max lumen output at 4000K [ex: **FPBS122A1** = 5,000lm at 4000K]
*****CR** option is special order. Contact your Orion representative for lead times.

Standard (Factory Installed)



CCT Switch



Wattage/Lumen Output Switch



Control Ready

Additional Specification Information

³ For actual lumens, see performance table

Accessories [Field Installed]

Battery Back Up Kits ⁴	
FPBS1-BB08-KIT	Battery Back Up Kit Field Install, 8w
Remote Required for Commissioning	
RM51	Vealite Keilton Sensor IR Remote Controller (for IFS06R sensor)
CR (Control Ready) Sensors	
IFS06R	Keilton Basic PIR Occupancy Sensor, Daylight Harvesting, High and Low End Trim, 0-10v Dimming, IR Remote Programmable (must order RM51)
IFS108	Keilton+Autani Bluetooth Mesh: Wireless Fixture Controller, PIR Occupancy Sensor, High/Low/Off, 0-10v Dimming, Daylight Harvesting, High End Trim, Luminaire Level Lighting Control, Wireless Zones, Time-of-Day Scheduling, Keilton Mobile App Programmable

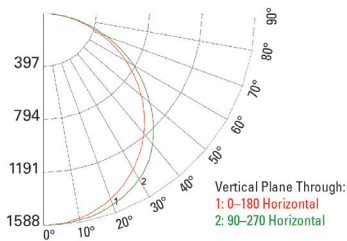


Sensors

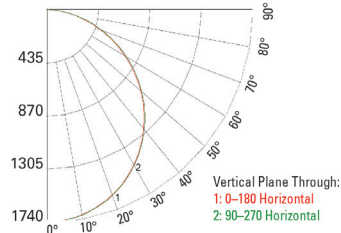
Photometrics

Visit orionlighting.com to obtain all .IES files

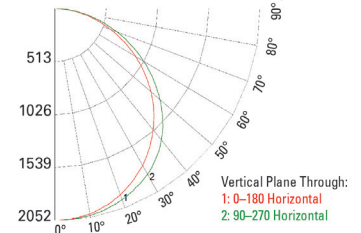
14 A1 80 CRI 4000K, 40w



22 A1 80 CRI 4000K, 40w



24 B1 80 CRI 4000K, 50w



Additional Specification Information

⁴ Multiply 10w by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode