

Integrated LED Versatile Panel

By VONN Lighting

VFPV14CCT / VFPV22CCT / VFPV24CCT CCT & Wattage Adjustable



PROJECT:

TYPE:

CATALOG#:

DATE:

2' x 2' FT



2' x 4' FT



1' x 4' FT



DESCRIPTION

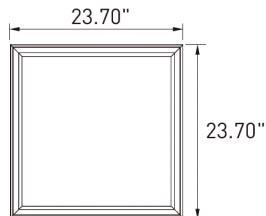
The CCT adjustable and wattage selectable FS series led flat panel light provides a modern alternative to traditional fluorescent troffer, reaching up to 110lm/w. The unique internal driver and only 0.68" thickness allow you the ability to install the LED light just about any where, especially for the small and confined space, including surface mounted, recessed and suspended installations methods. It is available for 1-10V dimming with 5 years warranty. It is highly efficient lighting solution, ideal for using in commercial applications, such as offices, hospital, retail environments and more.

FEATURES

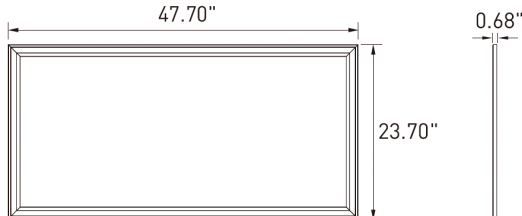
- 2'x2', 2'x4', 1'x4'
- Ultra thin surface design, 0.68" thickness
- Internal driver
- Wattage selectable, 110lm/w
- CCT adjustable 3000K/3500K/4000K

DIMENSIONS

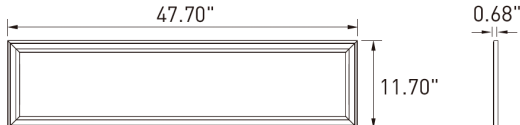
2' x 2' FT



2' x 4' FT



1' x 4' FT



PERFORMANCE

MODEL	SIZE	WATTAGE SELECTABLE	LUMENS			EFFICACY	CCT SELECTABLE
			HIGH	MEDIUM	LOW		
VFPV14CCT	1' X 4' FT	40W/30W/20W	4400lm	3300lm	4680Lm	Up to 110lm/w	3000K/3500K/4000K
VFPV22CCT	2' X 2' FT	40W/30W/20W	4400lm	3300lm	2200lm	Up to 110lm/w	3000K/3500K/4000K
VFPV24CCT	2' X 4' FT	50W/40W/30W	5500lm	4400lm	3300lm	Up to 110lm/w	3000K/3500K/4000K

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

***Please note lumens and wattage are subject to change and will be determined post production of the first articles.

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STRUCTURE

• Constructiton

Extruded aluminum housing.

• Electrical

LED Driver: Internal driver makes the panel only 0.68" thickness
Dimming: Powered by high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested Dimmers: @Lutron Diva-Dvtv, Leviton IP-710-DL.

THD: <20%

Power Factor : >0.9

Input Voltage: Standard electronic driver is UL recognized and available for 100-277V AC.

• LED System

CRI: Minimum 80 color rendering index
CCT: 3000K, 3500K and 4000K with a great color consistency.
LED: Life minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.

Thermal : Aluminum housing acting as the heat sink to maximize life.
Management

• Mounting

Surface mounted, recessed or suspended

• Approvals

- cULus listed for damp locations
- Tested to IESNA LM-79 and LM-80
- 5-year Limited Warranty

• Optional Function

Emergency: Optional high voltage 8W emergency LED driver EM-H08170-LBF can be provided.

Option: When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety lighting requirements.

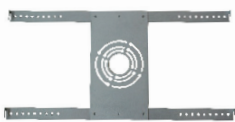
For more info or spec sheet, please visit our website or contact sales.

Emergency Lumen Output:

FIXTURE EFFICACY	OUTPUT POWER 8W
110lm/w	800 Lumens

OPTIONAL ACCESSORIES

• Standard-Surface



Surface Mounted Kit

This metal plate is equipped with screw holes for bolting to the ceiling, and 4 small static corner hooks on the mounting plate. Internal Driver And Slotted Design Compatible With

Multiple Size Of Junction Boxes.



3" Octagon:
2-1/8" Deep



4" Octagon:
2-1/8" Deep



4" Round:
2-1/8" Deep



4" Square:
2-1/8" Deep

• Optional - Recessed



Driver Box

This metal box is equipped with screw holes for bolting to the panel to protect wires.

• Optional - Suspended



Steel Cables

The ceiling end is comprised of pre-drilled disks for bolting into the ceiling, and the panel end has pring-clip fasteners.

SAMPLE ORDERING SKU

1	2	3	4	5	6	7
VFPV	22	CCT	LUMENS	WATTAGE	DIMMING	VOLTAGE
1 - SKU	2 - SIZE	3 - CCT ADJUST	4 - LUMENS	5 - WATTAGE ADJUST	6 - DIMMING	7 - VOLTAGE
VFPV14CCT	14: 1' x 4' FT	3000K/3500K/4000K	4400lm / 3300lm / 2200lm	40W/30W/20W	1-10V	110-277V
VFPV22CCT	22: 2' x 2' FT	3000K/3500K/4000K	4400lm / 3300lm / 2200lm	40W/30W/20W	1-10V	110-277V
VFPV24CCT	24: 2' x 4' FT	3000K/3500K/4000K	5500lm / 4400lm / 3300lm	50W/40W/30W	1-10V	110-277V

Theoretical Lumens: XXX LM (subject to change)

Theoretical Wattage: XXX W (subject to change)

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VONN, LLC. reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.



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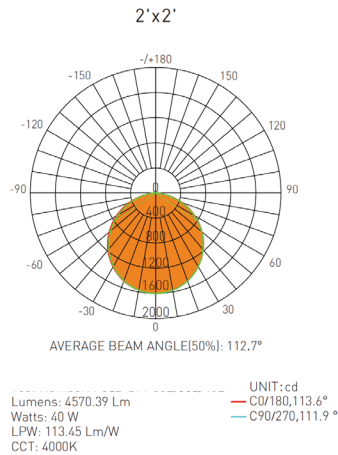
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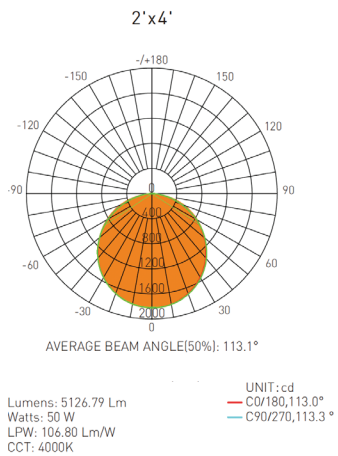
DISTRIBUTION DIAGRAM



Zonal Flux Diagram						
T	C0	C45	C90	C135	C180	
10	1570	1571	1572	1572	1572	
20	1489	1490	1490	1492	1492	
30	1356	1358	1356	1361	1362	
40	1181	1180	1172	1183	1186	
50	964.2	960.4	951.7	963.6	969.4	
60	714.1	707.3	699.5	711.2	719.6	
70	439.6	433.4	426.6	437.1	445.5	
80	170.8	168.9	164.3	172.1	176.7	
90	1.247	1.298	1.195	1.402	0.8306	
100	1.243	1.246	1.141	1.351	0.9367	
110	2.334	2.077	1.819	2.026	1.713	
120	2.855	2.545	2.235	2.597	2.284	
130	3.271	2.648	3.327	2.597	2.337	
140	3.271	1.870	3.378	1.924	2.442	
150	2.959	1.299	2.807	1.299	2.909	
160	2.336	1.299	2.807	1.350	3.272	
170	3.271	1.818	3.119	2.129	3.480	
180	3.323	2.026	3.742	2.441	3.272	
DEG	LUMINOUS INTENSITY: cd					

Zonal Lumens		
T	φ total	
0-10	151.2	
10-20	584.8	
20-30	1243	
30-40	2039	
40-50	2865	
50-60	3611	
60-70	4174	
70-80	4485	
80-90	4557	
90-100	4558	
100-110	4560	
110-120	4562	
120-130	4564	
130-140	4566	
140-150	4568	
150-160	4569	
160-170	4570	
170-180	4570	
UNIT: lm		

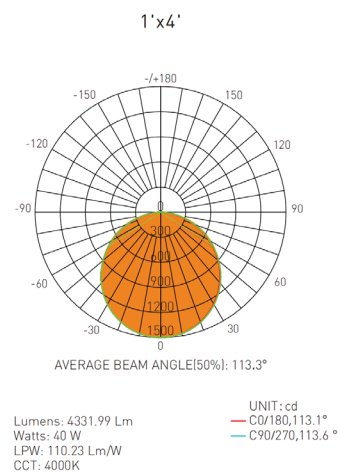
Luminance cd/(m2)			
G(DEG)	C0/180	C90/270	
85	6913	6899	
80	9835	9454	
75	11668	11239	
70	12851	12466	
65	13700	13340	
60	14279	13982	
55	14687	14438	
50	14998	14798	
45	15229	15072	



Zonal Flux Diagram						
T	C0	C45	C90	C135	C180	
10	1788	1795	1792	1789	1787	
20	1694	1706	1703	1696	1692	
30	1542	1557	1556	1547	1541	
40	1339	1355	1353	1346	1339	
50	1090	1104	1104	1098	1092	
60	804.0	815.3	817.0	812.5	809.2	
70	494.4	503.2	506.9	503.8	500.7	
80	193.4	203.9	209.7	207.1	203.7	
90	1.005	1.356	1.810	1.450	0.8329	
100	0.7091	1.207	1.708	1.192	0.7828	
110	1.199	1.721	1.863	1.711	1.216	
120	1.719	1.935	1.035	1.870	1.594	
130	1.721	1.669	0.9820	1.740	1.774	
140	1.722	0.9395	0.9821	1.141	2.079	
150	1.670	1.194	0.9822	0.9327	2.153	
160	1.541	1.321	1.109	0.9329	2.205	
170	2.050	1.430	1.559	1.399	2.468	
180	2.242	1.565	1.758	1.292	2.294	
DEG	LUMINOUS INTENSITY: cd					

Zonal Lumens		
T	φ total	
0-10	172.1	
10-20	665.9	
20-30	1416	
30-40	2324	
40-50	3268	
50-60	4121	
60-70	4769	
70-80	5135	
80-90	5227	
90-100	5229	
100-110	5230	
110-120	5232	
120-130	5233	
130-140	5235	
140-150	5236	
150-160	5236	
160-170	5237	
170-180	5237	
UNIT: lm		

Luminance cd/(m2)			
G(DEG)	C0/180	C90/270	
85	8132	9735	
80	11139	12083	
75	13106	13631	
70	14458	14829	
65	15410	15705	
60	16083	16349	
55	16585	16831	
50	16969	17184	
45	17249	17452	



Zonal Flux Diagram						
T	C0	C45	C90	C135	C180	
10	1471	1475	1473	1473	1473	
20	1393	1400	1400	1397	1397	
30	1267	1277	1279	1273	1273	
40	1099	1109	1113	1107	1105	
50	894.8	903.0	909.2	903.3	902.1	
60	662.7	669.4	677.5	671.8	669.4	
70	409.6	419.8	429.1	423.2	416.2	
80	162.8	176.1	189.3	177.8	170.2	
90	0.7842	1.055	1.939	1.147	0.6840	
100	0.5478	0.7790	2.121	0.9502	0.6840	
110	0.9572	1.414	2.280	1.459	1.094	
120	1.414	2.174	1.356	2.175	1.460	
130	1.572	2.198	1.128	2.259	1.733	
140	1.696	2.213	1.128	2.265	1.915	
150	1.865	2.447	1.263	2.401	2.197	
160	1.939	3.111	1.430	3.080	2.245	
170	2.824	3.939	1.714	3.851	2.737	
180	3.010	4.034	1.714	3.896	2.918	
DEG	LUMINOUS INTENSITY: cd					

Zonal Lumens		
T	φ total	
0-10	141.7	
10-20	548.2	
20-30	1166	
30-40	1912	
40-50	2689	
50-60	3392	
60-70	3930	
70-80	4240	
80-90	4320	
90-100	4322	
100-110	4323	
110-120	4325	
120-130	4327	
130-140	4328	
140-150	4330	
150-160	4331	
160-170	4332	
170-180	4332	
UNIT: lm		

Luminance cd/(m2)			
G(DEG)	C0/180	C90/270	
85	6895	9294	
80	9377	10893	
75	10922	11833	
70	11977	12535	
65	12751	13101	
60	13256	13539	
55	13633	13878	
50	13922	14133	
45	14161	14345	

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