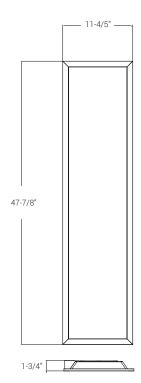






DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	4756	38W
4000	3634	28W
3000	3192	24W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

This backlit LED flat panel boasts an ultra-low UGR<16 while delivering exceptional performance, for a radiant, even, glare-free and energy efficient illumination. Ideal for optimizing shallow plenum spaces and use in new construction or retrofit applications. Standard with multi-lumen and multi-CCT options.

Suitable for recessed or surface mounted installations in commercial office space, retail merchandising, educational, and healthcare facilities. IC rated, and ready for contact with insulation. Available in 1x4 ft, 2x2 ft, and 2x4 ft sizes.

LUMENS	3000L/4000L/5000L
ССТ	35K/40K/50K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
MOUNTING	Recessed
UGR	<16
DIMMING	0-10V Flicker Free 5% Dimming Standard (DIM10)
SIZE:	1' x 4'
FINISH	White
EMERGENCY	10W - Up to 1000L output 20W - Up to 2000L output
WORKING TEMPERATURE	-20 °C (-4°F) to 50 °C (122°F)
LIFETIME	L70 at 60,000 Hours
PHOTOMETRIC TESTS	In accordance with IES LM79-08, LM80 and TM-30, TM-21

OPTICAL PERFORMANCE

UGR Values of 1x4 @ 85CRI and 3000K 70% 50% 20% Coefficients of Utilization - Zonal Cavity Method 4H x 8H room size											
LUMEN PACKAGE	ENDWISE										
5000L	17.4	17.9									
4000L	16.5	17									
3000L	16.9	16.7									

















OPTICS

Features a polystyrene lens and an internal PMMA light guiding plate combine to achieve and uniform, glare-free glare-free illumination with an ultra low UGR<16.

Luminaire available in selectable lumens of 3000L/4000L/5000L. Three selectable color temperatures of 30K/35K/50K allow for versatile across different warm to cool moods and atmospheres.

Lumen factory set to 5000L. CCT factory set to 50K.

CONSTRUCTION

Frame built from light weight and durable aluminum with a heavy duty 20-gauge cold rolled steel back panel. Made with fully interlocking corners to prevent aesthetic damage to the luminaire, with sides and corners uniformly turned in and hemmed to remove sharp edges for safe handling and easy installation.

Multiple wiring entrances allow for easy daisy chain making, adding power packs, whips, or other accessories in the field, or for continuous row mounting.

Post-painted with a 93% reflective white coat to improve luminaire efficacy, with all body components seamlessly interlocking for added structural strength.

Features built-in earthquake clips, standard.

MOUNTING

Suitable for Recessed, Suspended, and Surface Mounting.

For Recessed Mounting: Luminaire accommodates lay-in ceilings, Slot T, and T-bar suspension systems for 5/8" and 3/8" ceiling thicknesses. Four corner tie points are standard for safety wire support when required, with built-in earthquake clips.

Surface Mounting Kit sold seperately. Surface Mounting Kit required when suspending fixture.

MAINTENANCE

Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTIONS & ACCESSORIES

Luminaires can be shipped pre-installed with whips and modular wiring systems.

Available to order separately with:

10W and 20W Emergency Battery Back-up options 1'x4' Flange Kit and 1'x4' Surface Mount Kit for surface mounting and suspension Internal Blow fuse and radio interference options Optional Made in America Compliance Optional digital lighting manager for ON/OFF 0-10V dimming

See ordering chart for more information.

DIMMING

DIM10 - Flicker Free 5% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V.

DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current LED drivers which are rated for 50 to 60Hz at 120/277v input. Produce less than 20% THD, and have a power factor of .90 to 1.00.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

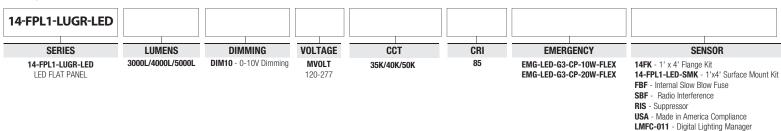
c-UL-us listed for feed through wiring.

DLC listed.

Damp location rated.

IC-Rated, air-tight ready, and ready for direct contact with insulation. Can be used to comply with Title 24, non residential listing requirements.

Example: 14-FPL1-LUGR-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85





14-FPL1-LUGR-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)

PUT WATTS:	24.4	LU	JMENS: 319	2		EFFI	CACY	: 131		BE	AM A	NGL	E: 80					SPAC	ING C	RITE	RIA:	1.15
	LA DISTRI			_	NDEL					NCE (c				MENS	PER Z	ONE			AL LUM			
200		90°			0°	9	0°			0.00°	90.00)°	Z	ONE	LUM	IENS		ZONE	UMENS	8 %	LUMIN	AIRE
400		80°		0°	162	4 16	24	0	.00°	4371	4371		0°	- 10°	15	54	C)° - 20°	594		19%	
600	\times	70°		10°	163	1 15	87	45	5.00°	2077	2851		10°	° - 20°	44	40	C)° - 30°	1227		38%	
800	$\times \times \times$	//0"		20°	153	0 14	50	55	5.00°	1543	1999)	20°	° - 30°	63	32	C)° - 40°	1892		59%	
1000		60°		30°	125	4 12	14	65	5.00°	1346	1366	6	30	° - 40°	66	35	C)° - 60°	2731		86%	
1200		50°		40°	779	9.	18	75	5.00°	1210	1260)	40°	° - 50°	50	04	0)° - 80°	3091		97%	
1400	40°			50°	412	2 59	96	85	5.00°	1261	1867	,	50°	° - 60°	33	35	0)° - 90°	3147		99%	
1600	300			60°	258	3 28	37							° - 70°	22							
1800 10°	20°			70°	155	5 16	31						70°	° - 80°	10	37						
0				80°	73	9	8						80°	° - 90°	5	6						
				90°	1	(9															
cc	ONE OF LIG	HT								IND	OOR C	OEFFI	CIENT	s of u	TILIZA	TION						
				ρf									20%									0%
MOUNTING	FC AT	BEAM	BEAM	ρς		80	0%			70	1%			50%			30%			10%		0%
HEIGHT	BEAM	DIA. 0°	DIA. 90°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	-180°	-270°	0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
6.0 ft	45. <mark>1 fc</mark>	10.1 ft	11.0 ft	1	110	106	102	99	107	103	100	97	99	96	94	95	92	90	91	89	88	85
8.0 ft	25.4 fc	13.4 ft	14.7 ft	2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
10.0 ft	16.2 fc	16.8 ft	18.3 ft	3	94	84	77	72	91	83	76	71	80	74	69	77	72	68	74	70	67	65
12.0 ft	11.3 fc	20.1 ft	22.0 ft	4	87	76	68	62	85	75	68	62	72	66	61	70	64	60	68	63	59	57
14.0 ft	8.3 fc	23.5 ft	25.7 ft	5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
16.0 ft	6.3 fc	26.8 ft	29.3 ft	6	75	63	55	49	73	62	55	49	60	54	48	59	53	48	57	52	47	46
18.0 ft	5.0 fc	30.2 ft	33.0 ft	7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
20.0 ft	4.1 fc	33.5 ft	36.6 ft	8	66	53	46	40	64	53	45	40	51	45	40	50	44	39	49	43	39	37
				9	62	49	42	37	60	49	42	37	48	41	36	46	40	36	45	40	36	34
				10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	37	33	31

IPUT WATTS: 28.4 LUMENS: 3					4 EFFICACY: 128 BEAM ANGL								GLE: 80					SPACING CRITERIA: 1.15						
CAND	ELA DISTRI			CA	NDEL	A TAB	LE	LUMINANCE (cd/sq.m) LUMENS PER ZONE								ONE	ZONAL LUMEN SUMMARY							
200		90°			0°	9	0°			0.00°	90.00)°	Z	ONE	LUM	ENS		ZONE	UMEN	S %	LUMIN.	AIRE		
400		80°		0°	186	3 18	63	0.	.00°	5013	5013	3	0°	- 10°	17	77	()° - 20°	681		19%			
600	\times	HJ.,		10°	187	3 18	11	45	.00°	2389	3233	3	10	° - 20°	50)4	()° - 30°	1406		39%			
800	$X \times Y \times$	70°		20°	175	8 16	54	55	.00°	1775	2243	3	20	° - 30°	72	25	()° - 40°	2168		60%			
1000 1200	$\mathbb{X} \times \mathbb{X}$	60°		30°	144	1 13	83	65	.00°	1548	1509)	30	° - 40°	76	31	(0° - 60°	3127		86%			
1400		50°		40°	896	3 10	25	75	.00°	1392	1353	3	40	° - 50°	57	76	()° - 80°	3534		97%			
1600	40°			50°	470) 6	74	85	6.00°	1455	1862	2	50	° - 60°	38	33	()° - 90°	3596		99%			
1800	30°			60°	297	7 3	19							° - 70°	25									
20 <mark>00 10°</mark>	20°			70°	179	9 1	76							° - 80°	15									
•				80°	84		04						80	° - 90°	6	2								
				90°	1	:	2																	
C	ONE OF LIG	нт								IND	OOR C	0EFFI	CIENT	S OF U	TILIZA	TION								
				ρf									20%									0%		
MOUNTING	FC AT	BEAM	BEAM	ρς		80)%			70	%			50%			30%			10%		0%		
HEIGHT	BEAM	DIA. 0°	DIA. 90°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
	CENTER	-180°	-270°	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99		
6.0 ft	51.7 fc	10.0 ft	10.9 ft	1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	91	90	88	86		
8.0 ft	29.1 fc	13.4 ft	14.5 ft	2	102	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	77	74		
10.0 ft	18.6 fc	16.7 ft	18.1 ft	3	94	85	77	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65		
12.0 ft	12.9 fc	20.1 ft	21.7 ft	4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57		
14.0 ft	9.5 fc	23.4 ft	25.3 ft	5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51		
16.0 ft	7.3 fc	26.7 ft	29.0 ft	6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46		
18.0 ft	5.7 fc	30.1 ft	32.6 ft	7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41		
20.0 ft	4.7 fc	33.4 ft	36.2 ft	8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	43	39	38		
				9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34		

UT WATTS:	38.4	LU	JMENS: 47	56		EFFI(CACY	: 124		BE	AM A	NGLE	E: 80					SPAC	ING C	RITE	RIA:	1.15
CAND	ELA DISTRI			CANDELA TABLE				LUMINANCE (cd/sq.m)			1)	LUMENS PER ZONE				ZONAL LUMEN SUMMARY						
200		90°			0°	9	0°			0.00°	90.00	0	Z	ONE	LUM	ENS		ZONE	UMEN:	S %	LUMIN	AIRE
400 600		80°		0°	244	1 24	41	0	.00°	6568	6568		0°	- 10°	23	32	0)° - 20°	893		19%	
800	XXXX	444		10°	245	2 23	76	45	5.00°	3127	4155		10	° - 20°	66	31	C)° - 30°	1843		39%	
1000 1200		70°		20°	230	1 21	70	55	5.00°	2292	2944		20	° - 30°	95	50	C)° - 40°	2840		60%	
1400		60°		30°	188	6 18	14	65	5.00°	2026	1980		30	° - 40°	99	97	C	° - 60°	4092		86%	
1600 1800		50°		40°	117	2 13	43	75	.00°	1822	1774		40	° - 50°	75	51	C	° - 80°	4626		97%	
2000	40°			50°	614	1 88	32	85	.00°	1899	2410		50	° - 60°	50	00	C)° - 90°	4707		99%	
2200 2400	200			60°	389	9 4	19						60	° - 70°	33	31						
2600 10°	20°			70°	234	1 23	31						70	° - 80°	20)4						
•				80°	111	1 10	36						80	° - 90°	8	1						
				90°	2	(3															
C	ONE OF LIG	нт								IND	OOR C	OEFFI	CIENT	S OF U	TILIZA	TION						
				ρf									20%									0%
MOUNTING	FC AT	BEAM	BEAM	ρс		80)%			70	%			50%			30%			10%		0%
HEIGHT	BEAM	DIA. 0°	DIA. 90°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	-180°	-270°	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
6.0 ft	67.8 fc	10.0 ft	10.8 ft	1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	91	90	88	86
8.0 ft	38.1 fc	13.3 ft	14.4 ft	2	102	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	77	74
10.0 ft	24.4 fc	16.7 ft	18.1 ft	3	94	85	77	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65
12.0 ft	16.9 fc	20.0 ft	21.7 ft	4	87	76	69	63	85	75	68	62	72	66	61	70	65	60	68	63	59	57
14.0 ft	12.5 fc	23.3 ft	25.3 ft	5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
16.0 ft	9.5 fc	26.7 ft	28.9 ft	6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
18.0 ft	7.5 fc	30.0 ft	32.5 ft	7	70	58	50	45	69	57	50	44	56	49	44	54	48	44	53	47	43	41
20.0 ft	6.1 fc	33.3 ft	36.1 ft	8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38



- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems
- 2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems
- 3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

BRAND	EASYFIT by EnOcean	%LUTRON	enlighted	LEVITON ₈	OSRAM	PHILIPS EasySense	La legrand ®		
CONTROL UNIT	LEDRU LED Relay Zone Controller 0-10V ¹	□ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) 14	□ CU-4E-FMH	☐ ZL027 –N0W Intellect Power Control Module ¹⁶	□ EN-WCM2-ZB-DR Wireless Control Module ¹⁷	SBR -BS	LMFC-011		
CONTROL UNIT	LEDDU LED Zone Controller 0-10V ¹	☐ FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) 1 4	Fixture Mount Control Unit ¹⁸	☐ ZL027 –N0W Intellect Power Control Module ¹⁶	Wireless Area Lighting Control Module 17 ZBHA-CLM-DIM-ENC Connected Lighting Module DIM 17	Xitanium SR Bridge ¹⁸	ON/OFF/0-10V dimming fixture controller ¹⁹		
INTEGRAT SENSOR	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
*WIRELESS OCCUPANCY SENSOR	□ EOSCU-W-EO Occupancy Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) 3	N/A	N/A	N/A	N/A	N/A	LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³		
*WIRELESS Daylight Sensor	□ ELLSU-W-EO Light Level Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) ³	N/A	N/A	N/A	N/A	N/A	LMLS-400 Single zone switching and dimming digital photosensor ³		
*WIRELESS Occupancy & Daylight Sensor	N/A	N/A	□ SU-5E-IoT IoT Node Micro Sensor ³ □ SU-5E-CL Connected Lighting Micro Sensor ³ □ SU-5E-IL Independent Lighting / Enlighted One Micro Sensor ³ □ SU-5S-H-(IoT/CL/IL) Surface Mount Sensor ³ (Must be specified with CU- 4E-FMH Control Unit)	☐ ZL00J -T0W Intellect Intelligent Fixture Control System ³ (Must be specified with ZL027 –N0W Control Unit)	□ EN-CLM-PIR-DD-ZB SensiLUM TM Wireless Integrated Sensor □ EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³ (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit)	SNS200-CMP SNS200 for grouping ³	N/A		
ACCESORIES	N/A	N/A	□ TMC-SU-5E Tile Mount Carrier □ CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT ReadyTM drivers □ CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT ReadyTM drivers	N/A	N/A	N/A	N/A		
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-0CR2B-P-WH Ceiling mount360° occupancy/va- cancy sensor & LRF2-DCRB- WH Ceiling-mount daylight sensor. Sensors must be ordered through Lutron.	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU- 5S-H, Sensors.	6-Luminaire will be compatible with Leviton Intellect App & Keypad Room Controller	7-Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors	8-Luminaire will be compatible with Philips field and wireless switch.	9-Luminaire will be compatiable with DLM Room control system LMPB-100. DLM control system must be orderd through Legrand.		

