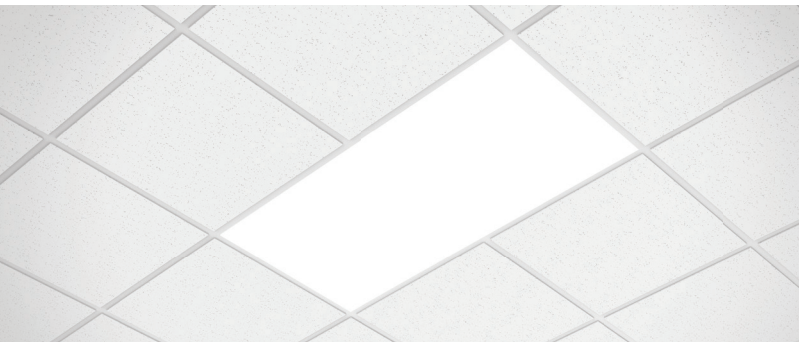
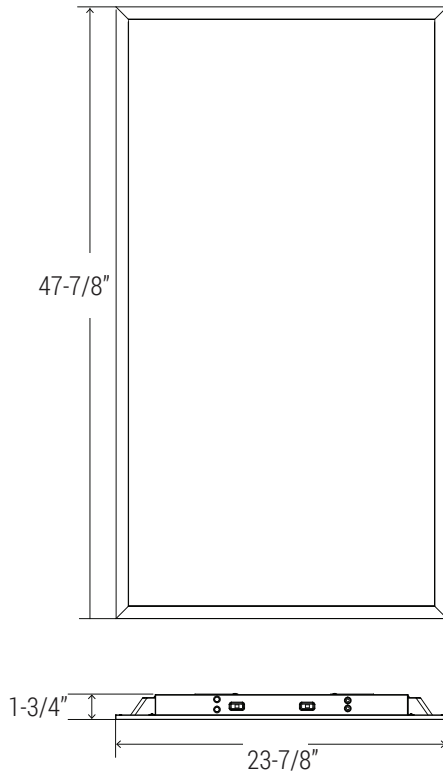




MULTILUMEN SELECTOR

EASY 3 COLORS
SELECCTOR
3500K • 4000K • 5000K

DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5794	46W
5000	4869	38W
4000	3696	28W

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	4000L/5000L/6000L
CCT	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:	2' 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 2x4 @ 85CRI and 3000K 70% 50% 20% Coefficients of Utilization - Zonal Cavity Method 4H x 8H room size		
LUMEN PACKAGE	CROSSWISE	ENDWISE
6000L	16.1	16.9
5000L	15.5	16.3
4000L	14.5	15.2

OPTICS

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

Luminaire available in selectable lumens of 4000L/5000L/6000L. Three selectable color temperatures of 30K/35K/50K allow for versatile across different warm to cool moods and atmospheres.

Lumen factory set to 6000L. 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 separately. 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
2'x4' Flange Kit and 2'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.

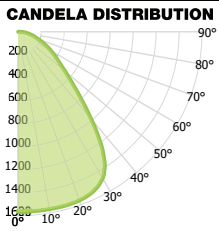
Example: **24-FPL1-LUGR-LED-4000L-5000L-6000L-DIM10-MVOLT-35K-40K-50K-85**

24-FPL1-LUGR-LED							
SERIES	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	SENSOR
24-FPL1-LUGR-LED LED TROFFER	4000L/5000L/6000L	DIM10 - 0-10V Dimming	MVOLT 120-277	35K/40K/50K	85	EMG-LED-G3-CP-10W-FLEX EMG-LED-G3-CP-20W-FLEX	24FK - 2' x 4' Flange Kit 24-FPL1-LED-SMK - 2'x4' Surface Mount Kit FBF - Internal Slow Blow Fuse SBF - Radio Interference RIS - Suppressor USA - Made in America Compliance LMFC-011 - Digital Lighting Manager

24-FPL1-LUGR-LED-4000L-5000L-6000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: **EL09062406**

INPUT WATTS: **28.1** LUMENS: **3696** EFFICACY: **132** BEAM ANGLE: **89** SPACING CRITERIA: **1.32 x 1.32**



CANDELA TABLE

	0°	90°
0°	1564	1564
10°	1567	1549
20°	1560	1511
30°	1471	1420
40°	986	1161
50°	534	760
60°	330	377
70°	183	194
80°	93	114
90°	2	8

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	2104	2104
45.00°	1360	1821
55.00°	973	1295
65.00°	804	852
75.00°	706	745
85.00°	795	1100

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	149
10° - 20°	438
20° - 30°	693
30° - 40°	805
40° - 50°	644
50° - 60°	429
60° - 70°	276
70° - 80°	164
80° - 90°	66

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	588	16%
0° - 30°	1280	35%
0° - 40°	2086	56%
0° - 60°	3158	85%
0° - 80°	3598	97%
0° - 90°	3665	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	43.4 fc	11.8 ft	13.5 ft
8.0 ft	24.4 fc	15.7 ft	18.0 ft
10.0 ft	15.6 fc	19.7 ft	22.5 ft
12.0 ft	10.9 fc	23.6 ft	27.1 ft
14.0 ft	8.0 fc	27.5 ft	31.6 ft
16.0 ft	6.1 fc	31.5 ft	36.1 ft
18.0 ft	4.8 fc	35.4 ft	40.6 ft
20.0 ft	3.9 fc	39.3 ft	45.1 ft

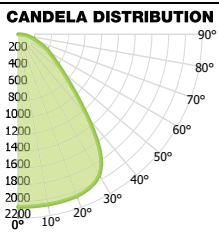
INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	20%	50%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99	0%
1	110	105	102	98	107	103	100	96	99	96	93	95	92	90	91	89	87	85	85	85	85	0%
2	101	94	87	82	98	92	86	81	88	83	79	85	81	77	82	78	76	74	74	74	74	0%
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	69	66	64	64	64	64	0%
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56	56	56	56	0%
5	80	68	60	53	78	67	59	53	64	58	52	62	57	52	61	55	51	49	49	49	49	0%
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	55	50	46	44	44	44	44	0%
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39	39	39	39	0%
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35	35	35	35	0%
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32	32	32	32	0%
10	57	44	37	32	55	44	36	31	42	36	31	42	35	31	41	35	31	29	29	29	29	0%

24-FPL1-LUGR-LED-4000L-5000L-6000L-DIM10-MVOLT-35K-40K-50K-85(5000L)

TEST NO.: **EL09062406**

INPUT WATTS: **38.0** LUMENS: **4869** EFFICACY: **128** BEAM ANGLE: **89** SPACING CRITERIA: **1.32 x 1.32**



CANDELA TABLE

	0°	90°
0°	2062	2062
10°	2065	2045
20°	2057	1996
30°	1941	1874
40°	1302	1533
50°	703	986
60°	430	498
70°	242	257
80°	122	150
90°	2	11

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	2775	2775
45.00°	1794	2396
55.00°	1276	1712
65.00°	1063	1126
75.00°	931	982
85.00°	1048	1433

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	197
10° - 20°	578
20° - 30°	914
30° - 40°	1062
40° - 50°	845
50° - 60°	565
60° - 70°	364
70° - 80°	216
80° - 90°	87

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	775	16%
0° - 30°	1689	35%
0° - 40°	2751	56%
0° - 60°	4161	85%
0° - 80°	4741	97%
0° - 90°	4828	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	57.3 fc	11.7 ft	13.5 ft
8.0 ft	32.2 fc	15.6 ft	17.9 ft
10.0 ft	20.6 fc	19.5 ft	22.4 ft
12.0 ft	14.3 fc	23.4 ft	26.9 ft
14.0 ft	10.5 fc	27.3 ft	31.4 ft
16.0 ft	8.1 fc	31.2 ft	35.9 ft
18.0 ft	6.4 fc	35.2 ft	40.4 ft
20.0 ft	5.2 fc	39.1 ft	44.9 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	20%	50%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99	99	99	0%
1	110	105	102	98	107	103	100	96	99	96	93	95	92	90	91	89	87	85	85	85	85	0%
2	101	94	87	82	98	92	86	81	88	83	79	85	81	77	82	78	76	74	74	74	74	0%
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	69	66	64	64	64	64	0%
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56	56	56	56	0%
5	80	68	60	53	78	67	59	53	65	58	52	63	57	52	61	55	51	49	49	49	49	0%
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	55	50	46	44	44	44	44	0%
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39	39	39	39	0%
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35	35	35	35	0%
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32	32	32	32	0%
10	57	44	37	32	55	44	36	31	42	36	31	42	35	31	41	35	31	29	29	29	29	0%

24-FPL1-LUGR-LED-4000L-5000L-6000L-DIM10-MVOLT-35K-40K-50K-85(6000L)

TEST NO.: **EL09062406**

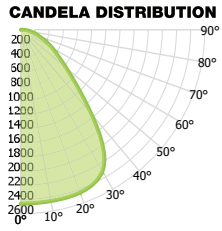
INPUT WATTS: **46.2**

LUMENS: **5794**

EFFICACY: **125**

BEAM ANGLE: **89**

SPACING CRITERIA: **1.32**



CANDELA TABLE

	0°	90°
0°	2457	2457
10°	2457	2453
20°	2448	2394
30°	2307	2248
40°	1549	1838
50°	838	1174
60°	512	597
70°	288	308
80°	146	180
90°	3	13

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	3306	3306
45.00°	2140	2860
55.00°	1518	2049
65.00°	1260	1352
75.00°	1107	1182
85.00°	1253	1730

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	234
10° - 20°	689
20° - 30°	1088
30° - 40°	1264
40° - 50°	1004
50° - 60°	672
60° - 70°	432
70° - 80°	258
80° - 90°	104

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	923	16%
0° - 30°	2011	35%
0° - 40°	3276	57%
0° - 60°	4951	85%
0° - 80°	5641	97%
0° - 90°	5745	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 ft	68.3 fc	11.7 ft	13.4 ft
8.0 ft	38.4 fc	15.6 ft	17.9 ft
10.0 ft	24.6 fc	19.5 ft	22.4 ft
12.0 ft	17.1 fc	23.4 ft	26.9 ft
14.0 ft	12.5 fc	27.3 ft	31.3 ft
16.0 ft	9.6 fc	31.2 ft	35.8 ft
18.0 ft	7.6 fc	35.1 ft	40.3 ft
20.0 ft	6.1 fc	39.0 ft	44.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																		0%		
pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
1	110	105	102	98	107	103	100	96	99	96	93	95	92	90	91	89	88	85			
2	101	94	87	82	98	92	86	81	88	83	79	85	81	77	82	78	76	74			
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	69	66	64			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			
5	80	68	60	53	78	67	59	53	65	58	52	63	57	52	61	55	51	49			
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	41	37	35			
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32			
10	57	44	37	32	55	44	36	31	43	36	31	42	35	31	41	35	31	29			

- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control 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®	OSRAM	PHILIPS EasySense	legrand®
CONTROL UNIT	☐ LEDRU LED Relay Zone Controller 0-10V ¹ ☐ LEDDU LED Zone Controller 0-10V ¹	☐ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) ^{1,4} ☐ FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminaire is shipped Vive Enabled) ^{1,4}	☐ CU-4E-FMH Fixture Mount Control Unit ^{1,5}	☐ ZL027 –NOW Intellect Power Control Module ^{1,6} ☐ ZL027 –NOW Intellect Power Control Module ^{1,6}	☐ EN-WCM2-ZB-DR Wireless Control Module ^{1,7} ☐ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ^{1,7} ☐ ZBHA-CLM-DIM-ENC Connected Lighting Module DIM ^{1,7}	☐ SBR-BS Xitanium SR Bridge ^{1,8}	☐ LMFC-011 ON/OFF/0-10V dimming fixture controller ^{1,9}
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 -TOW Intellect Intelligent Fixture Control System ³ (Must be specified with ZL027 –NOW Control Unit)	☐ EN-CLM-PIR-DD-ZB SensiLUM™ 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
ACCESSORIES	N/A	N/A	☐ TMC-SU-5E Tile Mount Carrier ☐ CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT Ready™ drivers ☐ CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT Ready™ drivers	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-OCR2B-P-WH Ceiling mount 360° occupancy/vacancy 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 compatible with DLM Room control system LMPB-100. DLM control system must be ordered through Legrand.