

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5090	50 W
4000	4076	40 W
3000	3051	30 W

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

FEATURES

This fully luminous LED flat panel delivers exceptional performance and aesthetically pleasing optics, optimizing shallow plenum spaces. Perfect for new construction applications or retrofitting existing fluorescent troffer luminaires. It offers a range of dimming, lumen and CCT options. Perfect for either recessed or surface mounted installations, it's an ideal choice for commercial office space, retail merchandising, educational, and healthcare facilities.

LUMENS	3000, 4000, 5000
CCT	30K, 35K, 40K, 50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x4', 2'x2', 1'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, LUT2W, DIMST, ELDO10.1, ELDODMX.1, DALI.1
EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
LIFETIME	L70 at 83,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



MAINTENANCE

LED engines and drivers are removable and upgradable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTICAL SYSTEM

The proprietary optical system utilizes a unique combination of reflective and refractive optical components to achieve a uniform, aesthetically pleasing appearance. Use of a guide plate laser allows high density pixels to shine, creating an even illumination with no glare, while maintaining a high efficiency.

CONSTRUCTION

Body is constructed of heavy-duty 20-gauge cold rolled steel, post-painted and engineered for maximum strength and extended life. All corners interlock 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. Luminaire is supplied with multiple wiring entrances for easy daisy chain of luminaires, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

FINISH

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

MOUNTING

Luminaires accommodate 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, standard. Luminaires may be available with flange kits, surface mounted kits, and other options.

OPTIONS

Luminaires can be shipped pre-installed with whips, modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input. Available in 347V., produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 1% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver Forward Phase Control, 1% dimming in 120V only. Available on all luminaires up to 40 watts.

LUTH - Lutron LDE1 Hi-Lume Eco System. 1% dimming with Soft in Fade to Black dimming technology.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%. Available on all luminaires up to 100 watts.

DALI - DALI DT6, DT8 dimming down to 1%. Available on all luminaires up to 100 watts.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%. Available on all luminaires up to 100 watts.

Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

DIMST - Step Dimming

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Feed Through Wiring.

Listed for DLC, California Title 24 compliant.

c UL us : IC rated

Example: 14-FPL1-LED-3000L-DIM10-MVOLT-30K-85

14	FPL1	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
14 - 1' X 4'	FPL1 - LED Flat Panel	LED	3000L - 3000 lumens 4000L - 4000 lumens 5000L - 5000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume LUT2W - Lutron 2Wire LUTFTB - Lutron Fade to Black ELDO10.1 - EldoLED 0-10V ELDODALI - EldoLED DALI ELDODMX - EldoLED DMX	MVOLT 347* *Consult factory for details	30K 35K 40K 50K	85	0-EMG-LED-10W 0-EMG-LED-20W	14FK - 1'x4' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance FS-PPV2 - Fixture Sensor Power Pack FD-301 - Daylight Dimming Photosensor FS-305RC - Low Voltage Motion Sensor FS-355 - Line Voltage Motion Sensor LMFC-011 - Digital Lighting Manager

14-FPL1-LED-3000L-DIM10-MVOLT-40K-85

INPUT WATTS: 30

LUMENS: 3051

CRI: 85

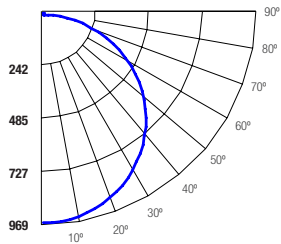
EFFICACY: 102

CCT: 4000K

TEST NO.: EL101855

SPACING CRITERIA: 1.42

Candle Power Distribution (Candelas)



Cone of Light		
4.0	3.35 fc	59 ft
8.0	0.84 fc	117.9 ft
12.0	0.37 fc	176.9 ft
16.0	0.21 fc	235.9 ft
20.0	0.13 fc	294.9 ft
24.0	0.09 fc	353.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	355.89	N.A.	11.70
0-30	760.92	N.A.	24.90
0-40	1261.17	N.A.	41.30
0-60	2290.26	N.A.	75.10
0-80	2933.03	N.A.	96.10
0-90	3020.35	N.A.	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2644	2620	2589
55	2642	2611	2568
65	2597	2559	2507
75	2531	2476	2400
85	2574	2511	2406

Lumens Per Zone

Zone	Lumens
0-10	91.73
10-20	264.16
20-30	405.03
30-40	500.24
40-50	532.41
50-60	496.68
60-70	395.97
70-80	246.81
80-90	87.31

Candela Tabulation

Q	
0	968.469
5	964.475
15	937.821
25	884.188
35	802.181
45	695.519
55	563.692
65	408.177
75	243.651
85	83.449
90	20.311

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%		50%	30%	10%		50%	30%	10%		50%	30%	10%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99					
	1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81					
	2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67	67					
	3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56	56					
	4	81	68	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47	47					
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	53	48	43	41	41					
	6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	35					
	7	63	50	41	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31	31					
	8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28	28					
	9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25	25					
	10	52	38	30	25	50	38	30	25	36	29	24	35	29	24	35	28	24	22	22					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

14-FPL1-LED-4000L-DIM10-MVOLT-40K-85

INPUT WATTS: 40

LUMENS: 4076

CRI: 85

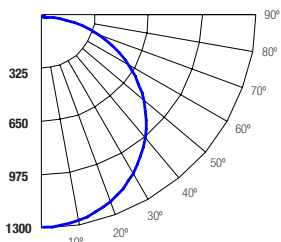
EFFICACY: 102

CCT: 4000K

TEST NO.: EL101853

SPACING CRITERIA: 1.42

Candle Power Distribution (Candelas)



Cone of Light		
4.0	4.49 fc	59 ft
8.0	1.12 fc	117.9 ft
12.0	0.5 fc	176.9 ft
16.0	0.28 fc	235.9 ft
20.0	0.18 fc	294.8 ft
24.0	0.12 fc	353.8 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	476.94	N.A.	11.70
0-30	1019.56	N.A.	25.00
0-40	1685.34	N.A.	41.30
0-60	3059.21	N.A.	75.10
0-80	3918.58	N.A.	96.10
0-90	4035.15	N.A.	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3585	3507	3439
55	3594	3491	3397
65	3556	3423	3300
75	3513	3316	3129
85	3725	3378	3051

Lumens Per Zone

Zone	Lumens
0-10	122.95
10-20	353.99
20-30	542.62
30-40	665.78
40-50	708.62
50-60	665.25
60-70	529.46
70-80	329.92
80-90	116.57

Candela Tabulation

Q	
0	1298.659
5	1296.331
15	1261.865
25	1191.119
35	1083.703
45	942.962
55	766.691
65	559.055
75	338.237
85	120.744
90	33.189

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%				30%				10%				0%			
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%		50%	30%	10%		50%	30%	10%		50%	30%	10%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99					
	1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81	81					
	2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67	67					
	3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56	56					
	4	81	69	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47	47					
	5	74	61	52	45	72	60	51	45	58	50	44	55	49	43	53	48	43	41	41					
	6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	35					
	7	63	50	41	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31	31					
	8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28	28					
	9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25	25					
	10	52	38	30	25	50	38	30	25	37	29	24	35	29	24	35	29	24	22	22					

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

14-FPL1-LED-5000L-DIM10-MVOLT-40K-85

INPUT WATTS: 50.6

LUMENS: 5090

CRI: 85

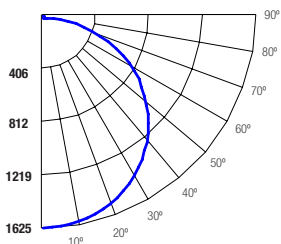
EFFICACY: 101

CCT: 4000K

TEST NO.: EL101854

SPACING CRITERIA: 1.42

Candle Power Distribution (Candelas)



Cone of Light		
4.0	5.62 fc	58.9 ft
8.0	1.4 fc	117.8 ft
12.0	0.62 fc	176.6 ft
16.0	0.35 fc	235.5 ft
20.0	0.22 fc	294.4 ft
24.0	0.16 fc	353.3 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	596.51	N.A.	11.70
0-30	1275.23	N.A.	25.10
0-40	2108.01	N.A.	41.40
0-60	3820.45	N.A.	75.10
0-80	4893.19	N.A.	96.10
0-90	5039.04	N.A.	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4408	4355	4330
55	4387	4326	4296
65	4288	4218	4188
75	4060	3998	3979
85	4017	3965	4021

Lumens Per Zone

Zone	Lumens
0-10	153.78
10-20	442.73
20-30	678.72
30-40	832.78
40-50	884.98
50-60	827.46
60-70	661.84
70-80	410.90
80-90	145.85

Candela Tabulation

	Q
0	1623.748
5	1617.700
15	1570.470
25	1478.910
35	1340.760
45	1159.300
55	935.970
65	674.120
75	390.820
85	130.230
90	25.970

INTEGRATED SENSOR AND CONTROL OPTIONS

With the integration of controls, Elite Lighting now offers its products with controls-ready performance that increases energy efficiency, smarter space planning, and the enhancement of safety and productivity in the workplace. By utilizing these controls, Elite Lighting luminaires enable your customer's facility to run smarter, with the use of an easily controlled system through any platform.

Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control systems

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

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	PHILIPS EasySense	legrand
POWER PACK	☐ LEDRU - LED Relay Zone Controller 0-10V	☐ Lutron Vive FCJS-010 - Individual Control, 0 to 10V Luminaire	☐ CU-E3-1R	☐ ZL027-NOW - Power control module	☐ SRB	☐ LMFC-011
	☐ LEDDU - LED Zone Controller 0-10V	☐ Lutron Vive FCJS-ECO - Individual Control, Eco System Luminaire	☐ SR Driver		☐ Philips Driver	☐ FS-PP-V2
REMOTE SENSOR			☐ SU-4E-01	☐ ZL00J-DOW - Sensor control module (Downlight Luminaires)	☐ SNS200-CMP	
			☐ SU-5E-CL			