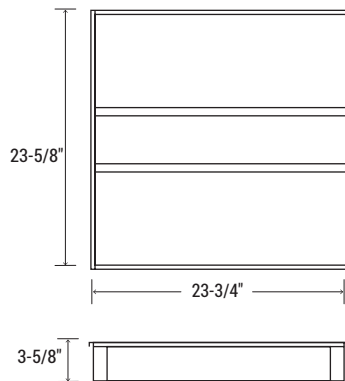




NOMINAL LUMENS	DELIVERED LUMENS	*WATTAGE
4000	4261	41 W
3000	3196	29 W
2000	2086	19 W

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

FEATURES

The Edge is an architectural edge-lit troffer delivering indirect, volumetric illumination. A wide distribution fills the entire room with dark spot-free illumination. An exceptional spacing criteria requires less fixtures needed to achieve recommended footcandles. A fully luminous, architectural look makes the Edge ideal for offices, educational, healthcare, and retail applications.

LUMENS	2000, 3000, 4000
CCT & DYNAMIC PLATFORMS	30K, 35K, 40K, 50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, 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 150,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21



Patents Pending

OPTICAL SYSTEM

A multi-dimensional optical system includes a center diffuser, light guide plate, and reflector, combining to produce indirect, even, glare-free illumination. When paired with edge-lit LEDs, the light guide plate directs light from the edges and distributes it evenly over the face of the lens. A reflector on both sides of the lens prevents light leaks from the back, reflecting light source to the front. Center diffuser provides a soft glow of illumination and eliminates surface shadows. A horizontal light source delivers illumination closer to the ceiling line and zero pixilation from both sides of the luminaire. Flat lens allows for luminaire to be extremely shallow in depth.

CONSTRUCTION

Heavy-duty 20-gauge cold rolled steel body, post-painted with a 93% reflective white coat. Shallow depth of 3-5/8" ideal for shallow plenums. All corners interlock to remove sharp edges for safe handling. Luminaire is supplied with multiple wiring entrances for easy daisy chaining, to add power packs, whips, or other accessories in the field, or for continuous row mounting.

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.

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 (120V forward phase only).

LUTH - Lutron LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.

DALI - DALI DT6, DT8 dimming down to 1%.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%.

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.

Example: **22-EDGE-LED-4000L-DIM10-MVOLT-30K-85**

22	EDGE	LED							
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
22 - 2' X2'	EDGE - LED Volumetric Troffer	LED	2000L- 2000 lumens 3000L- 3000 lumens 4000L- 4000 lumens	DIM10 - 0-10V Dimming DIMST - Step Dimming LUTH - Lutron HiLume LUT2W - Lutron 2Wire ELDO10.1 - EldoLED 0-10V DALI.1 - EldoLED DALI ELDODMX.1 - EldoLED DMX	MVOLT 347* 120 277	30K 35K 40K 50K	85	0-EMG-LED-10W 0-EMG-LED-20W	22FK - 2'x2' Flange Kit FBF - Internal Fast Blow Fuse SBF - Internal Slow Blow Fuse RIS - Radio Interference Suppressor USA - Made in America Compliance

*Consult factory for details

22-EDGE-LED-2000L-DIM10-MVOLT-40K-85

INPUT WATTS: **19.1**

LUMENS: **2086**

CRI: **85**

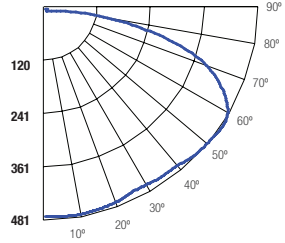
EFFICACY: **109**

CCT: **4000K**

TEST NO.: **EL041965**

SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Cone of Light			
2	116	8.3	19
4	29	16.6	38
6	12.9	24.9	57.1
8	7.26	33.3	76.1
10	4.64	41.6	95.1
12	3.22	49.9	114.1
(FT.) Distance to Plane	(FC) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	174.70	8.40	8.40
0-30	382.50	18.30	18.30
0-40	656.76	31.50	31.50
0-60	1355.78	65.00	65.00
0-80	1976.32	94.80	94.80
0-90	2066.48	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1490	1573	1779
55	1654	1853	2236
65	1857	2165	2837
75	1926	2427	3298
85	1866	2292	3434

Lumens Per Zone

Zone	Lumens
0-10	44.51
10-20	130.19
20-30	207.80
30-40	274.26
40-50	330.37
50-60	368.65
60-70	359.32
70-80	261.22
80-90	90.16

Candela Tabulation

Q	
0	464.33
5	466.30
15	455.29
25	440.07
35	414.39
45	391.85
55	352.92
65	291.97
75	185.44
85	60.50
90	2.12

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99	99
	1	106	100	95	90	103	98	93	88	93	89	85	89	86	82	85	82	80	80	77	77	77	77	77
	2	94	85	76	70	92	83	75	69	79	72	67	75	70	65	72	67	63	61	61	61	61	61	61
	3	85	73	63	56	82	71	62	55	68	60	54	65	58	53	62	56	49	49	49	49	49	49	49
	4	77	63	53	46	74	62	52	45	59	51	44	56	49	44	54	48	43	40	40	40	40	40	40
	5	70	56	46	38	68	54	45	38	52	44	37	50	43	37	48	41	36	34	34	34	34	34	34
	6	64	50	40	33	62	49	39	32	47	38	32	45	37	32	43	36	31	29	29	29	29	29	29
	7	59	45	35	28	57	44	35	28	42	34	28	40	33	27	39	32	27	25	25	25	25	25	25
	8	55	40	31	25	53	40	31	25	38	30	24	37	29	24	35	29	24	22	22	22	22	22	22
	9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	21	19	19	19	19	19	19
	10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17	17	17	17	17	17

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

22-EDGE-LED-3000L-DIM10-MVOLT-40K-85

INPUT WATTS: **29.6**

LUMENS: **3196**

CRI: **85**

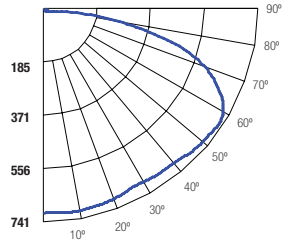
EFFICACY: **108**

CCT: **4000K**

TEST NO.: **EL041964**

SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Cone of Light			
2	178	8.7	19
4	44.5	17.3	37.9
6	19.8	26	56.9
8	11.1	34.7	75.9
10	7.12	43.3	94.8
12	4.94	52	113.8
(FT.) Distance to Plane	(FC) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	267.70	8.40	8.40
0-30	586.11	18.30	18.30
0-40	1006.28	31.50	31.50
0-60	2077.1	65.00	65.00
0-80	3027.8	94.70	94.70
0-90	3166.6	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2286	2403	2716
55	2545	2837	3419
65	2843	3318	4342
75	2967	3760	5117
85	2884	3662	5489

Lumens Per Zone

Zone	Lumens
0-10	68.20
10-20	199.50
20-30	318.41
30-40	420.17
40-50	505.90
50-60	564.92
60-70	550.13
70-80	400.57
80-90	138.81

Candela Tabulation

Q	
0	711.733
5	716.010
15	699.200
25	675.750
35	636.770
45	601.210
55	542.920
65	446.950
75	285.670
85	93.490
90	3.230

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99	99	99
	1	106	100	95	90	103	98	93	88	93	89	85	89	86	82	85	82	80	80	77	77	77	77	77
	2	94	85	76	70	92	83	75	69	79	72	67	75	70	65	72	67	63	61	61	61	61	61	61
	3	85	73	63	56	82	71	62	55	68	60	54	65	58	53	62	56	49	49	49	49	49	49	49
	4	77	63	53	45	74	62	52	45	59	51	44	56	49	44	54	48	43	40	40	40	40	40	40
	5	70	56	46	38	68	54	45	38	52	44	37	50	43	37	48	41	36	34	34	34	34	34	34
	6	64	50	40	33	62	49	39	32	46	38	32	45	37	32	43	36	31	29	29	29	29	29	29
	7	59	45	35	28	57	44	35	28	42	34	28	40	33	27	39	32	27	25	25	25	25	25	25
	8	55	40	31	25	53	40	31	25	38	30	24	37	29	24	35	29	24	22	22	22	22	22	22
	9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	21	19	19	19	19	19	19
	10	48	34	25	20	47	33	25	20	32	25	19	31	24	19	30	24	19	17	17	17	17	17	17

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

22-EDGE-LED-4000L-DIM10-MVOLT-40K-85

INPUT WATTS: **41.3**

LUMENS: **4261**

CRI: **85**

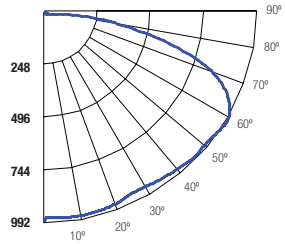
EFFICACY: **103**

CCT: **4000K**

TEST NO.: **EL041956**

SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Cone of Light			
2	238	7.9	18.5
4	59.5	15.8	37
6	26.5	23.7	55.5
8	14.9	31.5	73.9
10	9.52	39.4	92.4
12	6.61	47.3	110.9
(FT.) Distance to Plane	(FC) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	357.41	N.A.	8.40
0-30	782.60	N.A.	18.40
0-40	1345.48	N.A.	31.60
0-60	2777.76	N.A.	65.20
0-80	4042.79	N.A.	94.90
0-90	4221.32	N.A.	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3047	3298	3641
55	3330	3920	4540
65	3822	4686	5966
75	3798	5275	6847
85	3760	5088	7017

Lumens Per Zone

Zone	Lumens
0-10	91.07
10-20	266.35
20-30	425.19
30-40	562.88
40-50	679.21
50-60	753.06
60-70	738.56
70-80	526.47
80-90	178.54