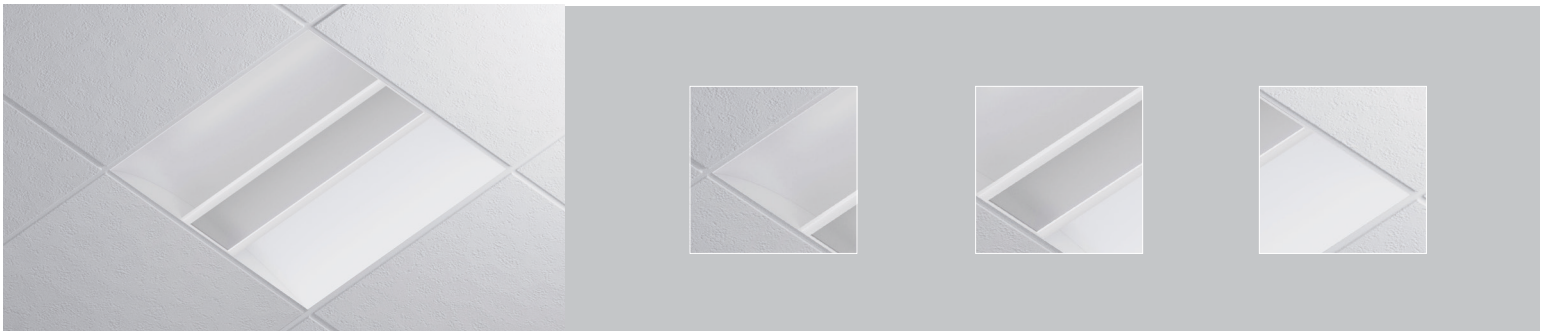
ORACLE LIGHTING
By Elite Lighting

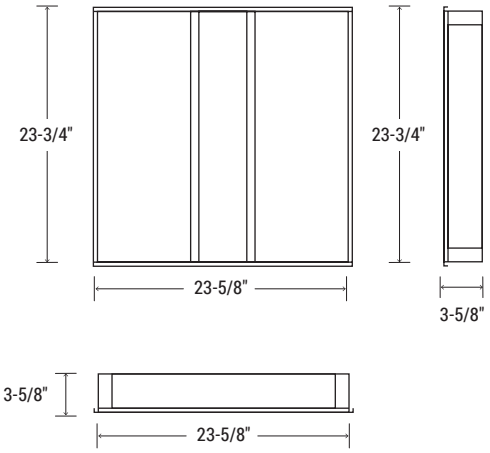
22-EDGE-LED

2' x 2' Architectural Volumetric Recessed LED Troffer

2'x2'



EASY 3 COLORS
SELECCTOR
3000K / 3500K / 4000K



NOMINAL LUMENS	DELIVERED LUMENS	*WATTAGE
4000	4013	40 W
3000	3198	35 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
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)
EMERGENCY	10W - Up to 1000L output 20W - Up to 2000L output
LIFETIME	L70 150,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

DLC QPL LISTED · c UL us LISTED · California Title 24 & JA8 Compliant · PROUDLY ASSEMBLED in AMERICA · QUICKSHIP CONSULT FACTORY · 5 YEARS LIMITED WARRANTY

Patents Pending

Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information.
08032021

22-EDGE-LED

2' x 2' Architectural Volumetric Recessed LED Troffer

2'x2'

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, 277V.

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/35K/40K-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	**MVOLT** **120** **277**	**30K/35K/40K**	**85**	**O-EMG-LED-10W** **O-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

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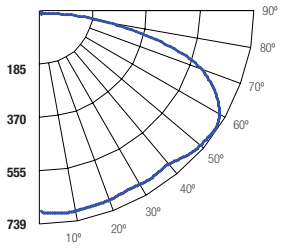
22-EDGE-LED-3000L-DIM10-MVOLT-30K-35K-40K-85

TEST NO.: EL03203168

INPUT WATTS: **35.3** LUMENS: **3198** CRI: **85** EFFICACY: **91** CCT: **30/35/40K** SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Cone of Light			
2	243	15.5	5.7
4	64.4	30.0	11.1
6	28.1	45.5	16.8
8	15.6	60.9	22.5
10	10.2	75.5	27.8
12	7.02	91.0	33.5
(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	263.92	8.30	8.30
0-30	578.21	18.10	18.10
0-40	994.19	31.10	31.10
0-60	2061.64	64.50	64.50
0-80	3022.88	94.50	94.50
0-90	3168.28	99.10	99.10

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2736	2549	2275
55	3450	3143	2584
65	4325	3767	2847
75	4911	4415	3136
85	4229	3959	3437

Lumens Per Zone

Zone	Lumens
0-10	67.22
10-20	196.70
20-30	314.29
30-40	415.98
40-50	501.44
50-60	566.02
60-70	550.88
70-80	410.36
80-90	145.40

Candela Tabulation

	0
0	701.652
5	715.120
15	709.540
25	701.210
35	701.260
45	719.600
55	736.020
65	679.870
75	472.790
85	137.100
90	4.520

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%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	106	100	94	90	103	97	92	88	93	89	85	89	85	82	85	82	80	77
	2	94	84	76	69	91	82	75	68	78	72	66	75	69	65	72	67	63	61
	3	85	72	63	55	82	71	62	55	67	60	53	64	58	52	61	56	51	49
	4	77	63	53	45	74	61	52	45	59	50	44	56	49	43	54	48	42	40
	5	70	55	45	38	68	54	45	38	52	43	37	50	42	36	48	41	36	33
	6	64	49	39	32	62	48	39	32	46	38	32	44	37	31	43	36	31	29
	7	59	44	35	28	57	43	34	28	42	33	27	40	33	27	39	32	27	25
	8	55	40	31	25	53	39	31	24	38	30	24	37	29	24	35	29	24	22
	9	51	37	28	22	50	36	27	22	35	27	21	33	26	21	32	26	21	19
	10	48	34	25	20	46	33	25	19	32	24	19	31	24	19	30	24	19	17

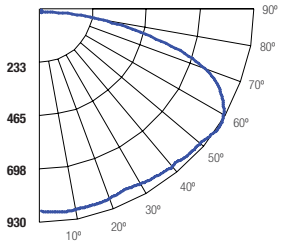
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

22-EDGE-LED-4000L-DIM10-MVOLT-30K-35K-40K-85

TEST NO.: EL03052013

INPUT WATTS: **40.5** LUMENS: **4013** CRI: **85** EFFICACY: **99** CCT: **30/35/40K** SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Cone of Light			
2	306	16.6	5.4
4	81.2	32.2	10.5
6	35.3	48.8	15.0
8	19.7	65.3	21.2
10	12.8	80.9	26.3
12	8.84	97.5	31.7
(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	332.04	8.30	8.30
0-30	727.29	18.10	18.10
0-40	1250.31	31.20	31.20
0-60	2588.14	64.50	64.50
0-80	3794.95	94.60	94.60
0-90	3974.6	99.10	99.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3430	3096	2869
55	4349	3746	3192
65	5512	4442	3671
75	6077	5086	3842
85	4735	4429	3957

Lumens Per Zone

Zone	Lumens
0-10	84.57
10-20	247.47
20-30	395.26
30-40	523.02
40-50	632.15
50-60	705.67
60-70	696.06
70-80	510.75
80-90	179.64

Candela Tabulation

	0
0	883.731
5	894.380
15	888.730
25	871.130
35	887.740
45	902.200
55	927.750
65	866.440
75	585.020
85	153.490
90	3.990

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%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
	1	106	100	94	90	103	97	92	88	93	89	85	89	85	82	85	82	80	77
	2	94	84	76	69	91	82	75	68	78	72	67	75	70	65	72	67	63	61
	3	85	72	63	55	82	71	62	55	67	60	53	64	58	52	62	56	51	49
	4	77	63	53	45	74	61	52	45	59	51	44	56	49	43	54	48	43	40
	5	70	55	45	38	68	54	45	38	52	43	37	50	42	36	48	41	36	34
	6	64	49	39	32	62	48	39	32	46	38	32	44	37	31	43	36	31	29
	7	59	44	35	28	57	43	34	28	42	34	28	40	33	27	39	32	27	25
	8	55	40	31	25	53	39	31	24	38	30	24	37	29	24	35	29	24	22
	9	51	37	28	22	50	36	28	22	35	27	22	34	26	21	32	26	21	19
	10	48	34	25	20	46	33	25	19	32	24	19	31	24	19	30	24	19	17

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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