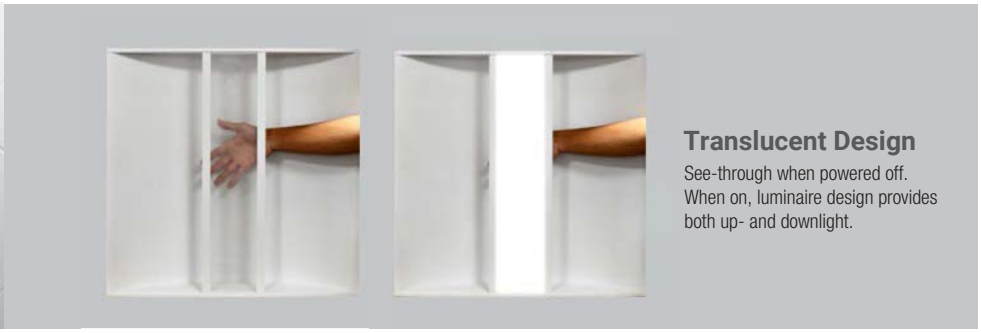
ORACLE LIGHTING
By Elite Lighting

24-EDGE-LED

2’ x 4’ Architectural Volumetric Recessed LED Troffer

2’x4’

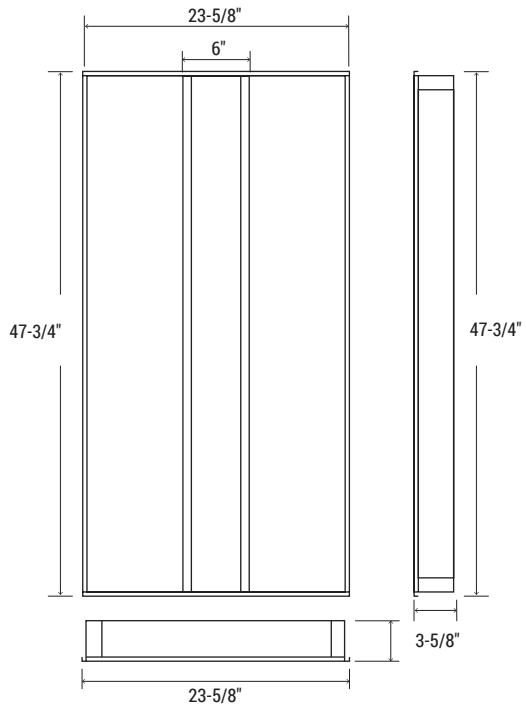


Translucent Design

See-through when powered off. When on, luminaire design provides both up- and downlight.

MULTILUMEN SELECTOR

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



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	5101	52 W
4000	3965	40 W
3000	3152	31 W

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

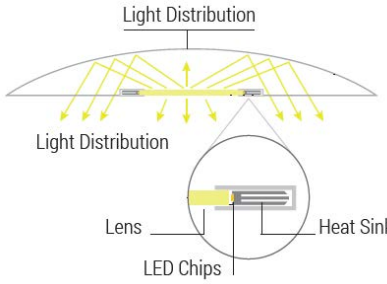
FEATURES

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.

MULTI LUMEN/MULTI CCT

Easily field-selectable multi-lumen and multi-CCT selector switches allow you to easily change the intensity and CCT in the field.

LUMENS	3000/4000/5000
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



Indirect

Horizontal illumination and minimal glare means softer, more comfortable illumination.

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.

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2' x 4' Architectural Volumetric Recessed LED Troffer

2'x4'

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: **24-EDGE-LED-3000L/4000L/5000L-DIM10-MVOLT-30K/35K/40K-85**

24	EDGE	LED								
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI	EMERGENCY	OTHER OPTIONS
24 - 2' X4'	**EDGE** - LED Volumetric Troffer	**LED**	**3000L/4000L/5000L**	**DIM10** - 0-10V Dimming	**MVOLT** **120** **277**	**30K/35K/40K**	**85**	**O-EMG-LED-10W** **O-EMG-LED-20W**	**24FK** - 2'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** - Low Voltage Daylight Dimming Photosensor **FS-305RC** - Low Voltage Motion Sensor **FS-355** - Line Voltage Motion Sensor **LMFC-011** - Digital Lighting Manager

***FD-301** & **FS-205** require **FS-PPV2-** Power Pack

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ORACLE LIGHTING
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24-EDGE-LED

2' x 4' Architectural Volumetric Recessed LED Troffer

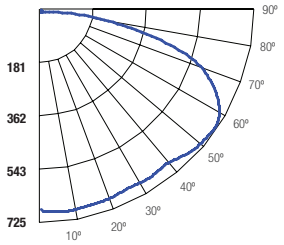
2'x4'

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

TEST NO.: EL03203066

INPUT WATTS: **31.7398** LUMENS: **3152** CRI: **85** EFFICACY: **99** CCT: **40K** SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	258.7	8.2	8.2
0-30	566.59	18	18
0-40	973.81	30.9	30.9
0-60	2019.54	64.1	64.1
0-80	2981.09	94.6	94.6
0-90	3126.98	99.2	99.2

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1125	1181	1319
55	1264	1401	1681
65	1452	1687	2211
75	1577	2027	2788
85	1706	2028	2990

Lumens Per Zone

Zone	Lumens
0-10	65.86
10-20	192.84
20-30	307.89
30-40	407.22
40-50	492.65
50-60	553.08
60-70	549.11
70-80	412.44
80-90	145.89

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

Cone of Light			
2	239	8.7	16.8
4	63.3	16.9	32.7
6	27.6	25.5	49.5
8	15.4	34.2	66.3
10	10.0	42.4	82.2
12	6.89	51.1	99.0
(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.

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%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	79	77
2	94	84	76	69	91	82	75	68	78	72	66	75	69	65	71	67	63	60
3	85	72	63	55	82	70	62	54	67	59	53	64	58	52	61	56	51	49
4	77	63	53	45	74	61	52	45	59	50	44	56	49	43	54	47	42	40
5	70	55	45	38	67	54	44	37	52	43	37	49	42	36	47	41	36	33
6	64	49	39	32	62	48	39	32	46	38	31	44	37	31	43	36	31	28
7	59	44	35	28	57	43	34	28	42	33	27	40	33	27	38	32	27	25
8	55	40	31	24	53	39	30	24	38	30	24	36	29	24	35	29	24	21
9	51	37	28	22	49	36	27	22	35	27	21	33	26	21	32	26	21	19
10	48	34	25	19	46	33	25	19	32	24	19	31	24	19	30	23	19	17

ROOM CAVITY RATIO

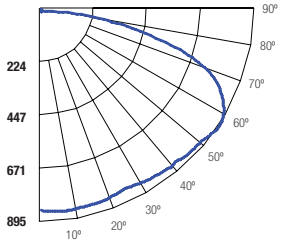
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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

TEST NO.: EL04062003

INPUT WATTS: **40.3** LUMENS: **3965** CRI: **85** EFFICACY: **98** CCT: **40K** SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	327.69	8.3	8.3
0-30	717.73	18.1	18.1
0-40	1233.44	31.1	31.1
0-60	2553.78	64.4	64.4
0-80	3752.1	94.6	94.6
0-90	3932.36	99.2	99.2

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1421	1517	1665
55	1587	1793	2097
65	1836	2180	2727
75	1938	2590	3377
85	1963	2501	3743

Lumens Per Zone

Zone	Lumens
0-10	83.43
10-20	244.26
20-30	390.04
30-40	515.71
40-50	624.06
50-60	696.28
60-70	688.6
70-80	509.72
80-90	180.26

Candela Tabulation

	0
0	873.436
5	872.77
15	856.93
25	829.78
35	788.48
45	747.46
55	677.07
65	577.25
75	373.24
85	127.3
90	23.37

Cone of Light			
2	302	9.0	16.5
4	80.2	17.4	32.1
6	34.9	26.4	48.7
8	19.5	35.4	65.2
10	12.7	43.9	80.8
12	8.73	52.8	97.3
(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.

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%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	106	100	94	103	97	92	88	93	89	85	89	85	82	85	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	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	34
6	64	49	39	32	62	48	39	32	46	38	32	44	37	31	43	36	31	29
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10	48	34	25	20	46	33	25	19	32	24	19	31	24	19	30	24	19	17

ROOM CAVITY RATIO

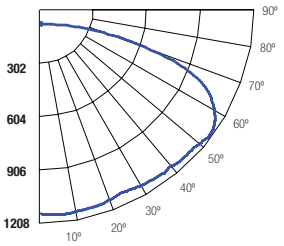
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

24-EDGE-LED-5000L-DIM10-MVOLT-30K-40K-50K-85

TEST NO.: EL03062015

INPUT WATTS: **52.3** LUMENS: **5101** CRI: **85** EFFICACY: **98** CCT: **40K** SPACING CRITERIA: **1.66**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	416.45	8.2	8.2
0-30	912.7	17.9	17.9
0-40	1570.24	30.8	30.8
0-60	3262.92	64	64
0-80	4820.47	94.5	94.5
0-90	5057.56	99.1	99.1

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1801	1900	2081
55	2021	2253	2619
65	2347	2748	3471
75	2483	3321	4406
85	2596	3434	5105

Lumens Per Zone

Zone	Lumens
0-10	105.94
10-20	310.51
20-30	496.25
30-40	657.54
40-50	797.16
50-60	895.51
60-70	891.48
70-80	666.07
80-90	237.09

Candela Tabulation

	0
0	1110.164
5	1105.51
15	1085.45
25	1050.19
35	998.99
45	947.37
55	862.39
65	737.94
75	478.14
85	168.3
90	27.3

Cone of Light			
2	384	7.3	16.3
4	102	14.1	31.7
6	44.4	21.4	48.1
8	24.7	28.7	64.4
10	16.1	35.6	79.8
12	11.1	42.9	96.1
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RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
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3	85	72	63	55	82	70	61	54	67	59	53	64	58	52	61	56	51	48
4	76	63	53	45	74	61	52	44	58	50	44	56	49	43	53	47	42	40
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RC - Ceiling Cavity Reflectance RW - Wall Reflectance

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