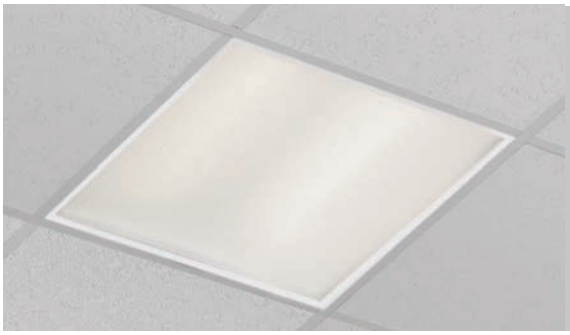
ORACLE LIGHTING
By Elite Lighting

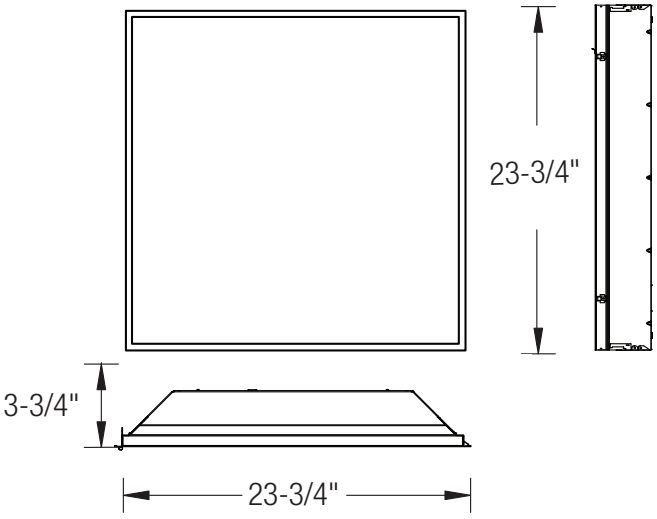
22-OT-LED
2 X 2 Foot LED Recessed Troffer Luminaire

2'x2'



MULTILUMEN SELECTOR

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



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000	4690	42W
4000	3937	35W
3000	2818	26W

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

FEATURES

The OT-LED blends the traditional look of an architectural volumetric troffer with a center acrylic diffuser, resulting in unmatched optical performance that delivers the latest in LED technology and lens innovation. The integrated LEDs are strategically angled behind the center indirect acrylic diffuser to maximize lumen output and provide even illumination across the full face of the luminaire. The consistency of the volumetric effect results in optimized visual comfort, enhancing the quality of illumination. The combination of energy savings and optical performance creates the ideal choice for educational, medical, office and retail spaces.

LUMENS	3000/4000/5000L
CCT & DYNAMIC PLATFORMS	35K/40K/50K
CRI	85+
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	2'x2', 2'x4', 1'x4'
MOUNTING	Recessed
DIMMING & CONTROL	0-10V Flicker Free 1% Dimming Standard (DIM10)
EMERGENCY	10W - Up to 1000L output (Bodine BSL310) 20W - Up to 2000L output (Bodine BSL20)
LIFETIME	L70 at 116,000 and L80 at 72,000 hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

DLC QPL LISTED

IC RATED

c UL us LISTED

PROUDLY ASSEMBLED in AMERICA

QUICKSHIP CONSULT FACTORY

5 YEARS LIMITED WARRANTY

22-OT-LED 2'x2'

2 X 2 Foot LED Recessed Troffer Luminaire

MAINTENANCE
The center acrylic diffuser can be removed, allowing easy access to LED boards and driver compartment, locking into place for secure closure of the luminaire. LED engines and drivers are removable and upgradable even after luminare installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

OPTICAL SYSTEM
The The OT-LED uses a prismatic acrylic lens to scatter the light emitted from the LED chips into functional light. The LED offered in the OT-LED has the highest return on initial investment compared to other standard lighting solutions. Lens is attached to a door frame which is easily pivoted and removable without the use of tools.

CONSTRUCTION
Body is constructed of heavy-duty 20-gauge cold rolled steel gasketed, 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.

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.
Rated for Damp Location

Example: **22-OT-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85-V3**

22	OT	LED							V3			
FIXTURE SIZE	SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	CCT	CRI			EMERGENCY	OTHER OPTIONS
22 - 2' X2'	**OT**	**LED**	**3000L/4000L/5000L**	**DIM10** - 0-10V Dimming	**MVOLT**	**35K/40K/50K**	**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 **22ALDF** - Flushed Aluminum Door Frame **1GDF** - One Gasket(Standard) **2GDF** - Two Gaskets **3GDF** - Three Gaskets

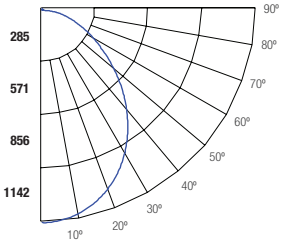
A12-A12(Standard)
A125- #12 pattern acrylic .125" thick
A19-A19
A-SFW-Smooth Frosted White
A12-INV- Inverted Lens

22-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(3000L)

TEST NO.: **EL03032005**

INPUT WATTS: **26** LUMENS: **2818** CRI: **85** EFFICACY: **108** CCT: **3500K** SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	411.57	14.6	14.6
0-30	858.81	30.5	30.5
0-40	1373.52	48.7	48.7
0-60	2263.48	80.3	80.3
0-80	2718.09	96.5	96.5
0-90	2786.6	98.9	98.9

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	2417	2429	2457
55	2042	2107	2158
65	1764	1837	1921
75	1674	1717	1823
85	1950	2063	2259

Lumens Per Zone

Zone	Lumens
0-10	107.55
10-20	304.02
20-30	447.24
30-40	514.7
40-50	491.02
50-60	398.94
60-70	282.04
70-80	172.58
80-90	68.5

Candela Tabulation

	0
0	1140.773
5	1135.85
15	1086.44
25	983.68
35	828.87
45	635.64
55	435.64
65	277.35
75	161.15
85	63.22
90	7.73

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	110	110	110	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	85	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	84	72	63	57	81	71	63	56	68	61	56	65	60	55	63	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	33	28	38	32	28	26

ROOM CAVITY RATIO

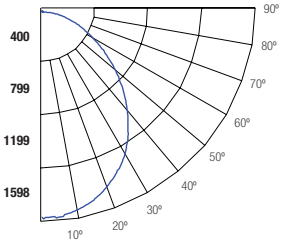
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

22-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(4000L)

TEST NO.: **EL03032006**

INPUT WATTS: **35.2** LUMENS: **3937** CRI: **85** EFFICACY: **112** CCT: **3500K** SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	575.89	14.6	14.6
0-30	1201.77	30.5	30.5
0-40	1917.04	48.7	48.7
0-60	3160.7	80.3	80.3
0-80	3797.27	96.4	96.4
0-90	3893.46	98.9	98.9

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	3383	3484	3450
55	2857	3048	3040
65	2465	2645	2676
75	2343	2528	2573
85	2718	3232	3231

Lumens Per Zone

Zone	Lumens
0-10	150.47
10-20	425.42
20-30	625.88
30-40	715.27
40-50	685.07
50-60	558.59
60-70	394.3
70-80	242.26
80-90	96.2

Candela Tabulation

	0
0	1595.975
5	1589.29
15	1519.95
25	1376.6
35	1160.07
45	889.68
55	609.6
65	387.46
75	225.56
85	88.1
90	11.07

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	110	110	110	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	85	79	97	89	83	78	86	80	76	82	78	74	79	75	72	70
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60
4	84	72	63	57	81	71	63	56	68	61	56	65	59	55	63	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	50	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	33	28	38	32	28	26

ROOM CAVITY RATIO

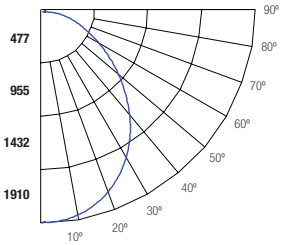
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

22-OT-LED-3000L-4000L-5000L-DIM10-MVOLT-35K-40K-50K-85(5000L)

TEST NO.: **EL03032007**

INPUT WATTS: **42.1** LUMENS: **4690** CRI: **85** EFFICACY: **111** CCT: **3500K** SPACING CRITERIA: **1.28**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	687.8	14.7	14.7
0-30	1434.95	30.6	30.6
0-40	2288.25	48.8	48.8
0-60	3767.02	80.3	80.3
0-80	4524.06	96.5	96.5
0-90	4637.71	98.9	98.9

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4026	4033	4114
55	3398	3496	3623
65	2896	3002	3184
75	2782	2837	3062
85	3182	3356	3822

Lumens Per Zone

Zone	Lumens
0-10	179.78
10-20	508.02
20-30	747.15
30-40	853.3
40-50	813.33
50-60	665.43
60-70	468.75
70-80	288.29
80-90	113.65

Candela Tabulation

	0
0	1907.545
5	1898.87
15	1814.51
25	1641.78
35	1382
45	1058.77
55	724.94
65	455.2
75	267.78
85	103.17
90	10.9

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	110	110	110	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	72	70
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	84	72	63	57	81	71	63	56	68	61	56	65	60	55	63	58	54	52
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6	71	58	50	44	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	33	28	38	32	28	26

ROOM CAVITY RATIO

RC - Ceiling Cavity Reflectance RW - Wall Reflectance