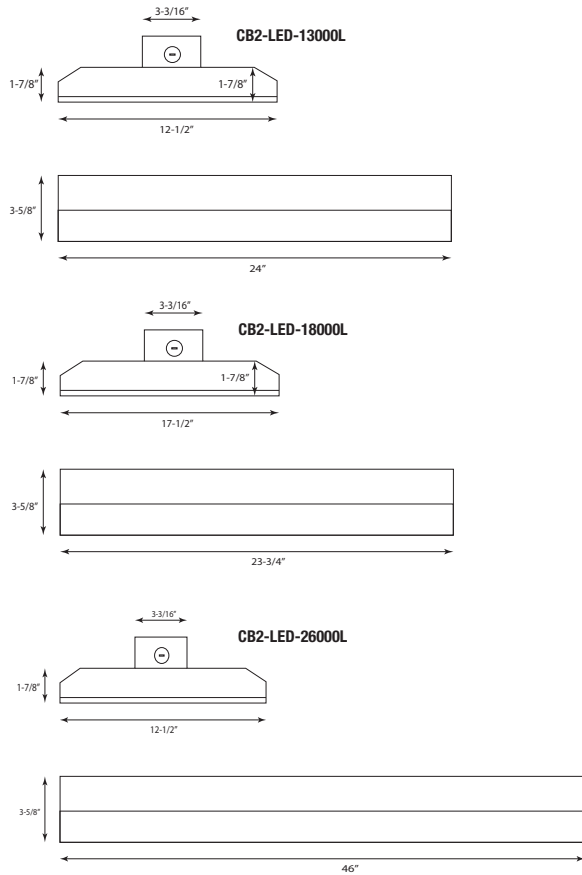


DIMENSIONS:



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
38000	33723	263 W
26000	22681	175 W
18000	17267	133 W
13000	11263	87 W

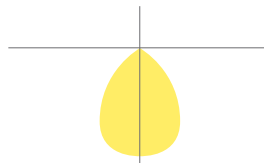
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

The durability of the fiberglass body and fully gasketed wraparound lens makes it the perfect solution for damp location areas or an energy efficient replacement for fluorescent luminaires. The lens is constructed from an impact resistant polycarbonate material to insure LED light engines are free from dust, moisture and/or accidental impact. The ideal source for manufacturing facilities, gymnasiums, warehouses, parking garages, and car washes.

LUMENS	13000, 18000, 26000, 38000
CCT	40K, 50K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	1'X2', 1'X4', 18"X2', 18"X4'
MOUNTING	Suspended
DIMMING	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 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

WD: WIDE
Candlepower Distribution Curve



OPTICAL SYSTEM

The luminaire provides a Wide (W) distribution and ships standard with a frosted acrylic lens on a reinforced hinge door to protect the LED light engines from dust and damage. The LED optic reflector is made of 95% reflective MIRO-5 aluminum material, engineered to optimize performance for 93% total fixture efficiency. The individual angled channels of the reflector help reduce the glare of high angle light emitted by the diodes. Luminaire available with different shielding options.

MAINTENANCE

The LED engines and driver can be accessed through the bottom by removing the lamp shields and LED reflector. Angled sides and vents prevent dust from settling inside and near the LED components, lowering the required maintenance time. The LED engines and drivers are removeable and upgradeable even after luminaire installation. Luminaire can be regularly and safely wiped down to ensure optimal performance.

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, and all body components are seamlessly interlocked for added structural strength.

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.

PELDO10.1 - 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)

LISTING

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

Example: **CB2-LED-13000L-DIM10-MVOLT-W-40K-85**

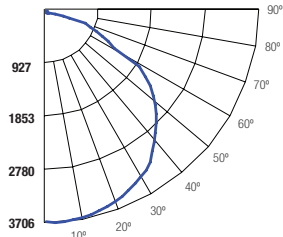
CB2	LED									
SERIES CB2-Oracle LED High Bay Series	TYPE LED	LUMENS 13000L - (13000 lumens) 18000L - (18000 lumens) 26000L - (26000 lumens) 38000L - (38000 lumens)	DIMMING DIM10 - DIM10-MVOLT	VOLTAGE MVOLT	OPTICS W - WIDE	CCT 40K - (4000K) 50K - (5000K)	CRI 85	EMERGENCY 0-EMG-LED-10W 0-EMG-LED-20W	OTHER OPTIONS VHCH - V-Hook with chain kit MS - Motion Sensor MSPH - Motion Sensor with Photocell GSS - Gripple Suspension System CB2-LED-13000L-WG-WH - WireGuard for 13000L CB2-LED-26000L-WG-WH - WireGuard for 26000L	

***Warranty is contingent on the correct application and installation of fixture. Maximum ambient temperature is 45C**

CB2-LED-13000L-DIM10-MVOLT-WD-40K-85

INPUT WATTS: **87.5** LUMENS: **11263** CRI: **85** EFFICACY: **129** CCT: **4000K** TEST NO.: **EL111831** SPACING CRITERIA: **1.46**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	12.8 fc	58.1 ft
8.0	3.19 fc	116.1 ft
12.0	1.42 fc	174.2 ft
16.0	0.8 fc	232.2 ft
20.0	0.51 fc	290.3 ft
24.0	0.35 fc	348.3 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	1363.42	N.A.	12.10
0-30	2936.94	N.A.	26.10
0-40	4898.4	N.A.	43.50
0-60	8932.68	N.A.	79.30
0-80	11012.93	N.A.	97.80
0-90	11145.9	N.A.	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	21007	21332	20172
55	21078	20782	19972
65	15307	20075	18863
75	14676	13909	16310
85	2722	5630	10509

Lumens Per Zone

Zone	Lumens
0-10	349.67
10-20	1013.75
20-30	1573.52
30-40	1961.46
40-50	2093.29
50-60	1940.99
60-70	1376.76
70-80	703.49
80-90	132.97

Candela Tabulation

Q		Q	
0	3685.571	0	3685.571
5	3700.049	5	3700.049
15	3623.681	15	3623.681
25	3454.161	25	3454.161
35	3224.942	35	3224.942
45	2762.633	45	2762.633
55	2248.428	55	2248.428
65	1203.140	65	1203.140
75	706.423	75	706.423
85	44.118	85	44.118
90	14.720	90	14.720

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

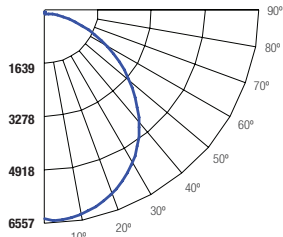
RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99		
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	86	87	86	86	83			
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69	72	69	69			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58	60	58	50			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	61	56	52	50	52	50	43			
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	49	45	43	45	43	37			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37	39	37	31			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33	35	33	29			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	35	31	29	31	29	25			
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26	28	26	23			
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	30	25	23	25	23	20			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

CB2-LED-18000L-DIM10-MVOLT-WD-40K-85

INPUT WATTS: **133.1** LUMENS: **17267** CRI: **85** EFFICACY: **130** CCT: **4000K** TEST NO.: **EL101838** SPACING CRITERIA: **1.36**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	22.4 fc	44.9 ft
8.0	5.61 fc	89.7 ft
12.0	2.49 fc	134.6 ft
16.0	1.4 fc	179.5 ft
20.0	0.9 fc	224.3 ft
24.0	0.62 fc	269.2 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	2370.00	N.A.	13.70
0-30	5024.72	N.A.	29.10
0-40	8175.13	N.A.	47.30
0-60	13975.74	N.A.	80.90
0-80	16831.28	N.A.	97.50
0-90	17084.92	N.A.	98.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	21230	20845	20527
55	19332	18725	18220
65	16952	16078	15423
75	14002	12877	12136
85	10384	8534	7307

Lumens Per Zone

Zone	Lumens
0-10	613.09
10-20	1756.91
20-30	2654.72
30-40	3150.41
40-50	3142.41
50-60	2658.2
60-70	1868.17
70-80	987.39
80-90	253.63

Candela Tabulation

Q		Q	
0	6484.429	0	6484.429
5	6536.919	5	6536.919
15	6317.216	15	6317.216
25	5858.298	25	5858.298
35	5140.014	35	5140.014
45	4187.965	45	4187.965
55	3093.290	55	3093.290
65	1998.557	65	1998.557
75	1010.959	75	1010.959
85	252.472	85	252.472
90	35.578	90	35.578

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

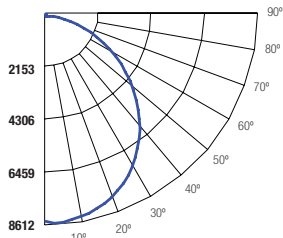
RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	101	101	99		
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	86	86	84	84			
2	99	92	85	79	97	90	84	78	86	81	76	82	78	75	79	76	73	71	73	71	66			
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	70	66	62	60	62	60	51			
4	83	72	63	57	81	70	62	56	68	61	55	65	59	54	63	58	54	51	54	51	45			
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45	47	45	40			
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39	41	39	35			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35	37	35	31			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	43	37	33	31	35	33	30			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	30	28	25			
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25	27	25	22			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

CB2-LED-26000L-DIM10-MVOLT-WD-40K-85

INPUT WATTS: **175.4** LUMENS: **22681** CRI: **85** EFFICACY: **129** CCT: **4000K** TEST NO.: **EL101837** SPACING CRITERIA: **1.34**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	29.6 fc	45.4 ft
8.0	7.39 fc	90.7 ft
12.0	3.29 fc	136.1 ft
16.0	1.85 fc	181.5 ft
20.0	1.18 fc	226.9 ft
24.0	0.82 fc	272.2 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	3117.08	N.A.	13.70
0-30	6585.88	N.A.	29.00
0-40	10688.19	N.A.	47.10
0-60	18275.02	N.A.	80.60
0-80	22102.68	N.A.	97.40
0-90	22451.99	N.A.	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	13912	13789	13663
55	12788	12571	12366
65	11286	11014	10775
75	9373	9135	9026
85	6716	6585	6714

Lumens Per Zone

Zone	Lumens
0-10	807.60
10-20	2309.48
20-30	3468.8
30-40	4102.32
40-50	4095.01
50-60	3491.81
60-70	2490.4
70-80	1337.26
80-90	349.31

Candela Tabulation

Q		Q	
0	8544.400	0	8