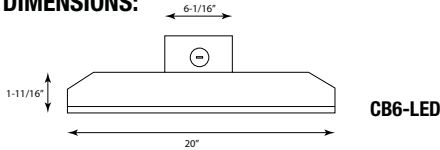
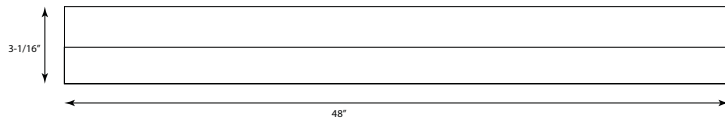


#### DIMENSIONS:



**CB6-LED**



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
36000	34037	241 W
30000	29980	200 W
28000	27604	182 W
24000	24312	168 W
20000	20091	156 W

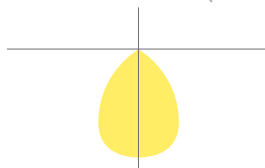
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

#### FEATURES

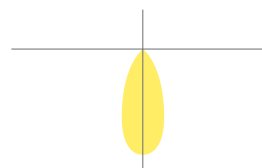
The CB-LED is a highly efficient LED luminaire ideal for large interior spaces with high mounting heights that require uniform general illumination. Designed as a replacement for conventional linear fluorescent and HID high bays found in manufacturing facilities, gymnasiums, warehouses, and many other locations.

LUMENS	20000, 24000, 28000, 30000, 36000
CCT	30K, 35K, 40K, 50K, 57K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	20"X4'
MOUNTING	Suspended
DISTRIBUTION	Wide (WD), Narrow (ND)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10)
EMERGENCY	10W - Up to 1000L output 20W - Up to 2000L output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory) EMG-LED-G2-20W-SDT - Self Diagnostic (Consult Factory)
LIFETIME	L70 at 83,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21
OPERATING TEMPERATURE	-20°C to 55°C

**WD: WIDE**  
Candle Power Distribution (Candelas)



**ND: NARROW**  
Candle Power Distribution (Candelas)



#### OPTICAL SYSTEM

The luminaire provides a Wide (W) or Narrow (N) distribution with different shielding options 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 MRO-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.

#### MAINTENANCE

The LED engines and driver can be accessed through the bottom by removing the lamp shields. Angled sides and vents prevent dust from settling inside and near the LED components, resulting in low-maintenance. 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 made from heavy-duty 18-gauge cold rolled steel, post-painted with white finish and engineered for maximum strength and extended life. All corners interlock for added structural strength, 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, continuous row mounting, or to add power packs, whips, or other accessories in the field.

#### 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.

#### WARRANTY

Five-year warranty for parts and components. (Labor not included)

#### LISTING

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

Ordering Information: Example: CB6-LED-24000L-DIM10-MVOLT-WD-30K-85

CB6	LED									
SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY		
CB6-Oracle LED High Bay Series	LED	20000L - (20000 lumens) 24000L - (24000 lumens) 28000L - (28000 lumens) 30000L - (30000 lumens) 36000L - (36000 lumens)	DIM10* - DIM10-MVOLT *Consult factory for other dimming options	MVOLT 347* 480 * Consult factory for details	WD - WIDE ND - NARROW	30K - (3000K) 35K - (3500K) 40K - (4000K) 50K - (5000K)	85	O-EMG-LED-10W O-EMG-LED-20W O-EMG-LED-G2-10W-SDT O-EMG-LED-G2-20W-SDT *Consult factory for details		
WIRING OPTIONS			SHIELDING OPTIONS			OTHER OPTIONS				
PCSB120 - 10' Nema 5-15R 120V Straight Blade Plug PCSB277 - 10' Nema 7-15R 277V Straight Blade Plug PCTL120 - 10' Nema L5-15R 120V Twist Lock Plug PCTL277 - 10' Nema L5-15R 277V Twist Lock Plug PCTL480 - 10' Nema L5-15R 480V Twist Lock Plug S01 - 10' 120V/277V SO Cord S02 - 10' 480V SO Cord			CB6LED-WGDF - Wireguard with Door frame Wide (W) distribution ships standard with a diffuser frosted acrylic lens Narrow (N) distribution ships standard with no lens			VHCH - V-Hook with chain kit CH - Chain with S hooks VH - V Hook MH - Mounting Hub CB6-CL - Clear Lens GSS - Gripple Suspension System GSSP - Gripple System with Paddles MS - Motion Sensor MSPH - Motion Sensor with Photocell MS-DIM10-PH - P.I.R. Motion Sensor & Photocell, hi/low/off Dimming Adjustable with Handheld Wireless Configuration MS-W-PI-DIM10-PH - Passive InfraRed Motion Sensor 0-10V Dimming Adjustable with Handheld Wireless Configuration MS-W-CON - InfraRed Remote Setup Controller for MS-W-PI-DIM10-PH FSP311-B-D - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option. ( 120-480V) FSP-311B-D-L7-BR - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option. USA - Made in America Compliance				

**CB6-LED-24000L-DIM10-MVOLT-N-40K-85**

TEST NO.: **EL091630**

INPUT WATTS: **167.4**

LUMENS: **22157**

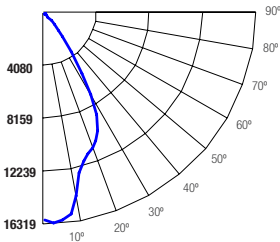
CRI: **85**

EFFICACY: **132**

CCT: **4000K**

SPACING CRITERIA: **1.02**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	5354.32	N.A.	24.20
0-30	10528.15	N.A.	47.50
0-40	15156.21	N.A.	68.40
0-60	20565.85	N.A.	92.80
0-80	21927.36	N.A.	99.00
0-90	22004.06	N.A.	99.30

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	817	4880	26487
55	179	897	25624
65	94	196	23396
75	82	165	18195
85	108	219	6569

**Lumens Per Zone**

Zone	Lumens
0-10	1513.71
10-20	3840.6
20-30	5173.83
30-40	4628.06
40-50	3303.58
50-60	2106.06
60-70	957.97
70-80	403.52
80-90	76.71

**Candela Tabulation**

0	1	2	3	4	5	6	7	8	9
0	16074.316	16047.707	11712.436	9273.763	2351.656	343.783	61.165	23.738	12.561
10	5.612	1.526							

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAPACITY RATIO	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	112	108	105	102	109	106	103	100	101	99	97	98	96	94	94	92	91	89	
	2	104	98	93	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	
	3	97	89	82	77	95	87	81	77	84	79	75	82	77	74	79	76	73	71	
	4	90	81	74	69	88	80	73	68	74	72	67	75	70	66	73	68	65	64	
	5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	
	6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	62	58	54	52	
	7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	47	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**CB6-LED-24000L-DIM10-MVOLT-W-40K-85**

TEST NO.: **EL101851**

INPUT WATTS: **167.4**

LUMENS: **24312**

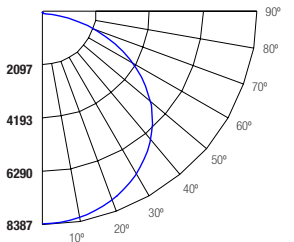
CRI: **85**

EFFICACY: **145**

CCT: **4000K**

SPACING CRITERIA: **1.46**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	3095.46	12.70	12.70
0-30	6662.53	27.40	27.40
0-40	11115.96	45.80	45.70
0-60	19722.41	81.20	81.10
0-80	23785.19	97.90	97.80
0-90	24105.16	99.20	99.10

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	11842	11839	9559
55	11838	9405	9567
65	11309	6835	6531
75	9723	6173	3044
85	5956	3584	3488

**Lumens Per Zone**

Zone	Lumens
0-10	795.49
10-20	2299.97
20-30	3567.07
30-40	4453.43
40-50	4640.85
50-60	3965.61
60-70	2724.41
70-80	1338.38
80-90	319.96

**Candela Tabulation**

0	1	2	3	4	5	6	7	8	9
0	8386.523	8356.440	8146.230	7732.200	7097.460	6229.270	5051.170	3555.450	1872.030
10	386.190	38.830							

**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	109	105	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84	
	2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70	
	3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60	
	4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51	
	5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	56	51	46	44	
	6	71	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39	
	7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34	
	8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30	
	9	57	43	35	30	55	43	35	30	42	34	29	40	34	29	39	33	29	27	
	10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	31	26	25	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**CB6-LED-28000L-DIM10-MVOLT-N-40K-85**

TEST NO.: **EL091630**

INPUT WATTS: **182.4**

LUMENS: **25195**

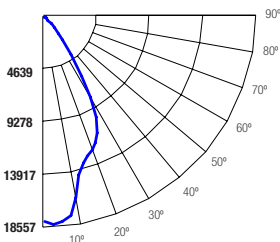
CRI: **85**

EFFICACY: **138**

CCT: **4000K**

SPACING CRITERIA: **1.02**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	6088.56	N.A.	24.20
0-30	11971.89	N.A.	47.50
0-40	17234.59	N.A.	68.40
0-60	23386.07	N.A.	92.80
0-80	24934.26	N.A.	99.00
0-90	25021.5	N.A.	99.30

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	929	5550	30120
55	204	1020	29138
65	107	222	26604
75	93	187	20690
85	123	250	7470

**Lumens Per Zone**

Zone	Lumens
0-10	1721.29
10-20	4367.27
20-30	5883.33
30-40	5262.71
40-50	3756.61
50-60	2394.87
60-70	1089.34
70-80	458.86
80-90	87.23

**Candela Tabulation**

0	1	2	3	4	5	6	7	8	9
0	18278.598	18248.341	13318.571	10545.481	2674.141	390.926	69.553	26.993	14.283
10	6.382	1.736							

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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	111	106	106	106	101	101	101	99
1		112	108	105	102	109	106	103	100	101	99	97	98	96	94	94	92	91	89	89
2		104	98	93	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79
3		97	89	82	77	95	87	81	77	84	79	75	82	77	74	79	76	73	71	71
4		90	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64
5		85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57
6		79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52	52
7		74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	47	47
8		70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44	44
9		66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40
10		62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

**CB6-LED-28000L-DIM10-MVOLT-W-40K-85**

TEST NO.: **EL1118125**

INPUT WATTS: **182.7**

LUMENS: **27604**

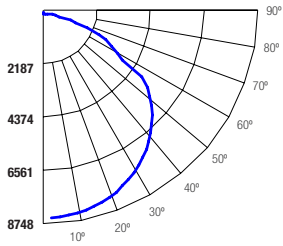
CRI: **85**

EFFICACY: **151**

CCT: **4000K**

SPACING CRITERIA: **1.48**

**Candle Power Distribution (Candelas)**



**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	3228.31	11.70	11.70
0-30	6952.1	25.20	25.20
0-40	11608.76	42.10	42.10
0-60	21442.22	77.70	77.70
0-80	26898.39	97.50	97.40
0-90	27363.26	99.20	99.10

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	12649	12647	12447
55	12942	12830	12526
65	10478	12719	12098
75	7701	9708	10733
85	6025	5241	7271

**Lumens Per Zone**

Zone	Lumens
0-10	827.55
10-20	2400.76
20-30	3723.79
30-40	4656.65
40-50	5061.12
50-60	4772.34
60-70	3556.4
70-80	1899.77
80-90	464.87

**Candela Tabulation**

0	0
8721.539	0
8734.820	5
8545.090	15
8144.750	25
7515.500	35
6653.950	45
5522.460	55
3294.130	65
1482.820	75
390.650	85
109.430	90

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

Cone of Light			
2	2180	6.4	7.5
4	545	12.8	15
6	242	19.2	22.5
8	136	25.6	30
10	87.2	32	37.5
12	60.6	38.3	45
(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.

	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83			
	2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	78	74	71	68			
	3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57			
	4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	48			
	5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42			
	6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36			
	7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32			
	8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28			
	9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25			
	10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance





#### INTEGRATED SENSOR AND CONTROL OPTIONS

With the integration of controls, Elite Lighting now offers its products with controls-ready performance that increases energy efficiency, smarter space planning, and the enhancement of safety and productivity in the workplace. By utilizing these controls, Elite Lighting luminaires enable your customer's facility to run smarter, with the use of an easily controlled system through any platform.

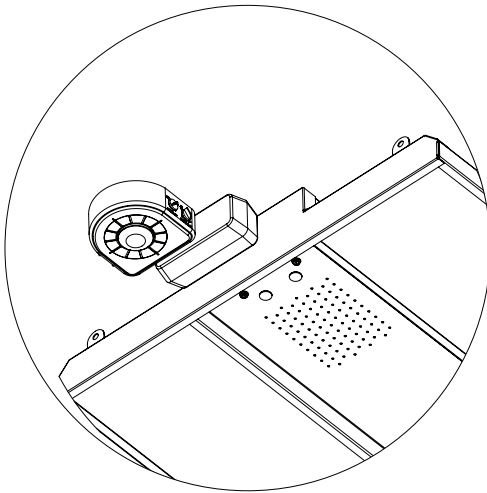
Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control systems

Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

BRAND				
HIGH BAY SENSORS	<input type="checkbox"/> LUT-WSP24V-360-xx1-CPN6112 Wired Occupancy Sensors	<input type="checkbox"/> OSFHU-LTW PIR Fixture Mount High Bay Occupancy Sensor	<input type="checkbox"/> SNH200 SNH200 for High Bay	<input type="checkbox"/> HBP-111 PIR Fixture Mount High Bay Occupancy Sensor
		<input type="checkbox"/> HB011-PDX PIR Fixture Mount Occupancy Sensor with Daylight Harvesting		<input type="checkbox"/> FSP-321B-D-L7-BR(120-480V) 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option. <input type="checkbox"/> FSP311-B-D 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.

#### SIDE MOUNT OCCUPANCY DAYLIGHT HARVESTING SENSOR



##### LUTRON

☐ LUT-WSP24V-360-xx1-CPN6112

Wired Occupancy Sensors

##### LEVITON

☐ OSFHU-LTW

PIR Fixture Mount High Bay Occupancy Sensor

☐ HB011-PDX

PIR Fixture Mount Occupancy Sensor with Daylight Harvesting **PHILIPS**

☐ SNH200

SNH200 for High Bay

##### LEGRAND

☐ HBP-111

PIR Fixture Mount High Bay Occupancy Sensor

☐ FSP-321B-D-L7-BR (120-480V)

0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.

☐ FSP311-B-D

0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.