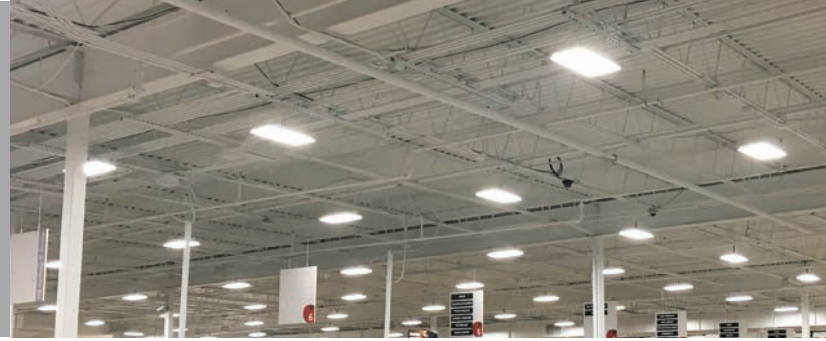
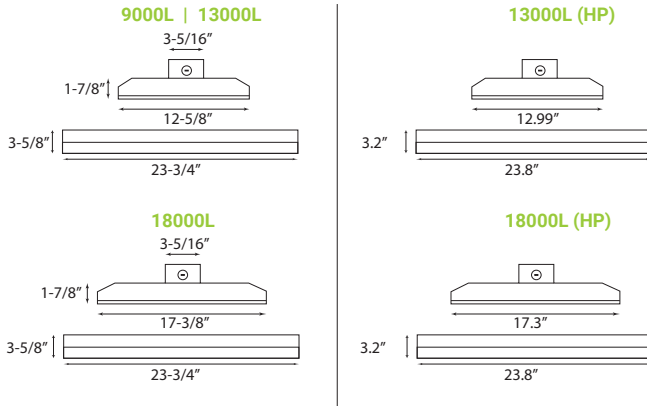




FEATURES

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	9000L, 13000L, 18000L, 26000L 30000L, 38000L, 45000L, 58000L
CCT	35K, 40K, 50K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
MOUNTING	Suspended
DISTRIBUTION	Narrow (ND), Wide (WD)
DIMMING	0-10V Flicker Free 5% 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) GTD-UL924
LIFETIME	L70 at 167,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

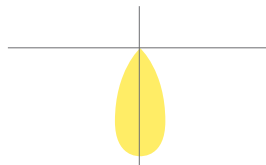


NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
58000	53518	400 W
45000	39846	300 W
38000	35528	267 W
30000	28321	210 W
26000	23880	177 W
18000	17685	130 W
13000	11874	87 W
9000	8389	64 W

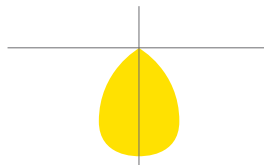
NOMINAL LUMENS(HP)	DELIVERED LUMENS(HP)	WATTAGE(HP)
45000	43983	255 W
38000	36500	215 W
30000	28051	166 W
26000	24759	143 W
18000	17154	102 W
13000	13554	77 W

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

ND: NARROW
Candlepower Distribution Curve



WD: WIDE
Candlepower Distribution Curve



The luminaire provides Wide & Narrow distributions with different shielding options and ships standard with a frosted acrylic lens 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.

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.

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, or to add power packs, whips, or other accessories in the field.

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.

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.

DIM10 - Flicker Free 5% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

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

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

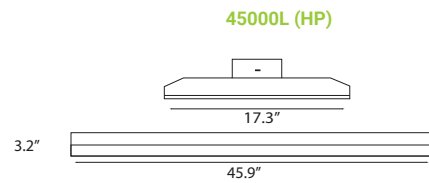
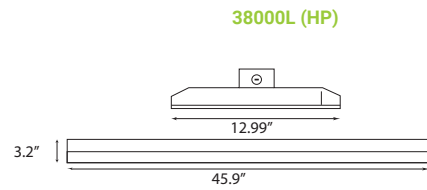
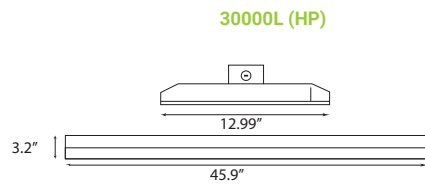
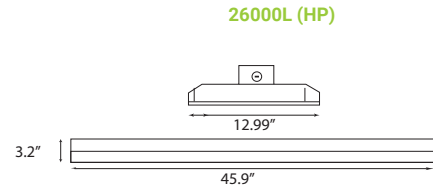
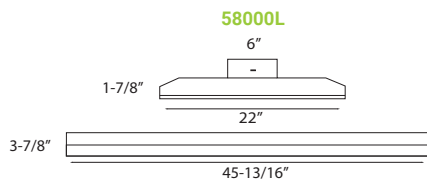
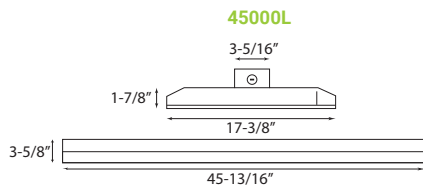
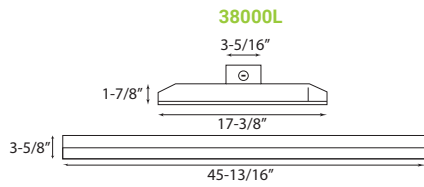
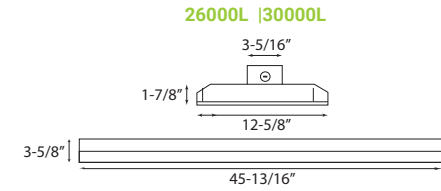
Listed for DLC*

*For DesignLights Consortium® (DLC) qualified products please visit www.designlights.org. Not all family members will be listed for DLC Premium or DLC Standard.

CB2	LED								
SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY	
CB2-Oracle LED High Bay Series	LED	9000L - (9000 lumens) 13000L - (13000 lumens) 18000L - (18000 lumens) 26000L - (26000 lumens) 30000L - (30000 lumens) 38000L - (38000 lumens) 45000L - (45000 lumens) 58000L - (58000 lumens) 13000L-HP - (13000 lumens) 18000L-HP - (18000 lumens) 26000L-HP - (26000 lumens) 30000L-HP - (30000 lumens) 38000L-HP - (38000 lumens) 45000L-HP - (45000 lumens)	DIM10* - DIM10-MVOLT *Consult factory for other dimming options	MVOLT 347* 480V* *Consult factory	ND - Narrow WD - Wide	35K - (3500K) 40K - (4000K) 50K - (5000K)	85	0-EMG-LED-10W 0-EMG-LED-20W 0-EMG-LED-G2-10W-SDT 0-EMG-LED-G2-20W-SDT GTD-UL924 (listed bodine GTD factory installes on drive input) *Consult factoryfor details	
			OTHER OPTIONS			SENSOR OPTIONS			
			VHCH - V-Hook with 40" chain kit (Included) MS - Motion Sensor MSPH - High/Low Motion Sensor with Photocell GSS - Gripple Suspension System CB2-LED-13000L-WG-WH - WireGuard for 13000L/9000L CB2-LED-18000L-WG-WH - WireGuard for 18000L CB2-LED-26000L-WG-WH - Wireguard for 26000L/30000L/38000L CB2-LED-58000L-WG-WH - WireGuard for 58000L S05 - 6' power cord with 5 conductors for 1-10V dimming fixtures S06 - 6' power cord with 6 conductors for 1-10V dimming and with emergency CB2-LED-SMB - Surface Mount Bracket			LUT-WSPem24V-360 - Wired Occupancy Sensors 421-OSFLA-LTW - PIR Fixture Mount High Bay Occupancy Sensor 411-HBOLA-PDX - PIR Fixture Mount Occupancy Sensor with Daylight Harvesting with 0-10V Dimming. SNH200 - SNH200 for High Bay (XSR driver required) HBP-111 - PIR Fixture Mount High Bay Occupancy Sensor FSP-221-B-D - PIR Fixture Mount Bay Sensor with Daylight Harvesting with 0-10V Dimming. BT-FMS-A - Bluetooth® enabled fixture mounted occupancy/daylight sensor and controller FSP311-B-D - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option. OFD1Z-IOW IP66 PIR Side Mount Sensors with Bluetooth Connectivity and UV Stable Plasti HP High Performance ¹			
*Warranty is contingent on the correct application and installation of fixture. Maximum ambient temperature is 50°C									

¹ High Performance platform only available for 3500K, 4000K, and 5000K at 85CRI

Line Drawings



MOUNTING



CB2-LED-SMB
Surface Mount Bracket



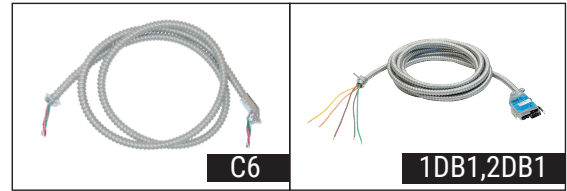
VHCH
V-hook with chain kit
(two 40 inch chains)



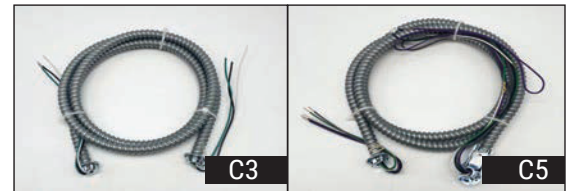
GSS
Gripple Suspension System



WHIPS	
☐ GSS GRIPPLE SUSPENSION SYSTEM	☐ GSSP GRIPPLE SYSTEM WITH PADDLES



WHIPS	
☐ C6 6-wire Flex Cable (Single Circuit)	☐ 1DB1 120/208/240V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length ☐ 2DB1 277/480V Distribution cable, 3-wire w/ground-phase A,B, 1' cable length



WHIPS	
☐ C3 3/8 X 6FT FLEX ASSY 3/18 BLK, WHT GRN - 84" 90 DEGREE SNAP & STR SNAP - ALUMINUM /SINGLE CIRCUIT	☐ C5 C5-3/8X6FT FLEX ASSY 18/5 W/GRAY & PURPLE WIRE - EXTENDED TO 12"

CORDS



CORDS			
☐ S05-BK 5 WIRES BLACK CORD 18AWG 105 DEGREE CELCIUS RATED WHITE BLACK GREEN PURPLE GREY WIRES 120/277 VOLT	☐ S05-WH 5 WIRES WHITE CORD 18AWG 105 DEGREE CELCIUS RATED WHITE BLACK GREEN PURPLE GREY WIRES 120/277 VOLT	☐ S06-BK 6 WIRE BLACK CORD BLACK GREY PURPLE ORANGE GREEN AND WHITE CABLES	☐ S06-WH 6 WIRE WHITE CORD BLACK GREY PURPLE ORANGE GREEN AND WHITE CABLES

PLUGS



PLUGS				
☐ PCTL120 10' NEMA L5-15R 120V TWIST LOCK PLUG	☐ PCSB120 10' NEMA 5-15R 120V STRAIGHT BLADE PLUG ☐ PCSB120-BK 10' NEMA 5-15R 120V STRAIGHT BLADE PLUG-BLACK	☐ PCTL277 10' NEMA L7-15P 277V TWIST LOCK PLUG	☐ PCTL480V 10' NEMA LA20P 480V TWIST LOCK PLUG	☐ 1CB1SC1HV 120/208/240V Lighting "T" w/Drop cord, 3-wire w/ground-phase A,B, 3' cable length, 12 AWG, Hi-Voltage (optional) ☐ 2CB1SC1HV 277/480V Distribution cable, 3-wire w/ground-phase A,B, 3' cable length, 12 AWG, Hi-Voltage (optional)

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

TEST NO.: **EL111831**

INPUT WATTS: **91.3**

LUMENS: **12946**

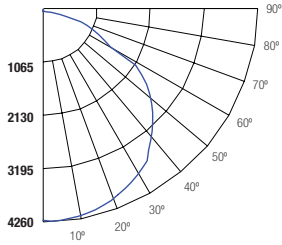
CRI: **85**

EFFICACY: **142**

CCT: **4000K**

SPACING CRITERIA: **1.46**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	1567.14	12.10	12.10
0-30	3375.79	26.10	26.10
0-40	5630.34	43.50	43.50
0-60	10267.44	79.30	79.30
0-80	12658.54	97.80	97.80
0-90	12811.37	99.00	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	12073	12260	11593
55	12114	11944	11478
65	8797	11538	10841
75	8434	7994	9374
85	1564	3236	6040

Lumens Per Zone

Zone	Lumens
0-10	401.92
10-20	1165.23
20-30	1808.64
30-40	2254.55
40-50	2406.08
50-60	2231.03
60-70	1582.49
70-80	808.61
80-90	152.83

Candela Tabulation

0	0
0	4236.289
5	4252.930
15	4165.150
25	3970.300
35	3706.830
45	3175.440
55	2584.400
65	1382.920
75	811.980
85	50.710
90	16.920

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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

TEST NO.: **EL101838**

INPUT WATTS: **139.5**

LUMENS: **17584**

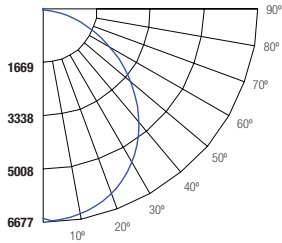
CRI: **85**

EFFICACY: **126**

CCT: **4000K**

SPACING CRITERIA: **1.36**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	2413.44	13.70	13.70
0-30	5116.82	29.10	29.10
0-40	8324.98	47.40	47.30
0-60	14231.91	81.00	80.90
0-80	17139.81	97.50	97.50
0-90	17398.08	99.00	98.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	21620	21227	20903
55	19686	19069	18554
65	17262	16372	15706
75	14258	13113	12358
85	10574	8691	7441

Lumens Per Zone

Zone	Lumens
0-10	624.33
10-20	1789.12
20-30	2703.38
30-40	3208.16
40-50	3200.01
50-60	2706.93
60-70	1902.41
70-80	1005.48
80-90	258.28

Candela Tabulation

0	0
0	6603.288
5	6656.740
15	6433.010
25	5965.680
35	5234.230
45	4264.730
55	3149.990
65	2035.190
75	1029.490
85	257.100
90	36.230

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	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84	
	2	100	92	85	79	97	90	84	78	86	81	76	82	78	75	79	76	73	71	
	3	91	81	73	67	88	79	72	66	76	70	65	73	68	63	70	66	62	60	
	4	83	72	63	57	81	70	62	56	68	61	55	65	59	54	63	58	54	51	
	5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45	
	6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39	
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	8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	43	37	33	31	
	9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	31	27	25		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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

TEST NO.: **EL11122038**

INPUT WATTS: **184**

LUMENS: **25734**

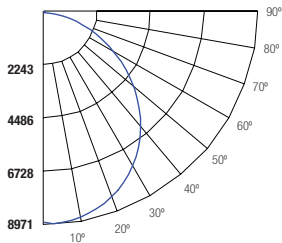
CRI: **85**

EFFICACY: **139**

CCT: **4000K**

SPACING CRITERIA: **1.34**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	3246.96	13.70	13.70
0-30	6860.29	29.00	29.00
0-40	11133.53	47.10	47.10
0-60	19036.48	80.60	80.60
0-80	23023.62	97.50	97.40
0-90	23387.49	99.00	99.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	14491	14364	14232
55	13321	13095	12881
65	11757	11472	11224
75	9764	9516	9402
85	6995	6859	6994

Lumens Per Zone

Zone	Lumens
0-10	841.25
10-20	2405.71
20-30	3613.33
30-40	4273.25
40-50	4265.64
50-60	3637.31
60-70	2594.17
70-80	1392.98
80-90	363.86

Candela Tabulation

0	0
0	8900.417
5	8941.140
15	8623.100
25	7976.800
35	6989.860
45	5717.230
55	4263.060
65	2772.160
75	1409.950
85	340.170
90	33.900

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	104	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	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60	
	4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51	
	5	75	64	49	43	75	63	55	49	63	54	48	59	52	47	57	51	47	45	
	6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39	
	7	66	53	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35	
	8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31	
	9	57	44	36	31	56	43	36	30	42	35	30	41	35	30	40	34	30	28	
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

CB2-LED-30000L-DIM10-MVOLT-WD-40K-85

TEST NO.: **EL111821**

INPUT WATTS: **215**

LUMENS: **30630**

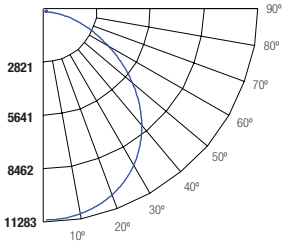
CRI: **85**

EFFICACY: **142**

CCT: **4000K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4098.6	13.4	13.4
0-30	8731.69	28.5	28.5
0-40	14301.02	46.7	46.7
0-60	24721.43	80.7	80.7
0-80	29851.11	97.5	97.5
0-90	30310.9	99	99

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	24517	23630	22553
55	23034	21572	20009
65	20723	18580	16547
75	17747	15048	12860
85	14799	10582	7785

Lumens Per Zone

Zone	Lumens
0-10	1057.24
10-20	3041.36
20-30	4633.09
30-40	5569.33
40-50	5621.66
50-60	4798.75
60-70	3362.56
70-80	1767.1
80-90	459.81

Candela Tabulation

Q	
0	11162.51
5	11162.38
15	10890.79
25	10258.16
35	9220.78
45	7738.01
55	5897.16
65	3909.21
75	2050.17
85	575.7
90	128.33

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

RC	80%	70%	50%	30%	10%	50%	30%	10%	30%	10%	10%	50%	30%	10%	0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	111	111	111	106	106	106	101
	1	109	104	100	97	106	102	98	95	98	94	92	93	91	89
	2	99	91	85	79	97	89	83	78	86	81	76	84	78	76
	3	91	80	73	66	88	79	71	66	76	69	64	73	67	63
	4	83	71	63	56	81	70	62	56	67	60	55	65	59	54
	5	77	64	55	49	74	63	54	48	61	53	48	58	52	47
	6	71	58	49	43	69	57	48	42	55	47	42	53	46	41
	7	66	52	44	38	64	51	43	37	50	42	37	48	42	37
	8	61	48	39	34	60	47	39	33	46	38	33	44	38	33
	9	57	44	36	30	56	43	35	30	42	35	30	41	34	30
	10	54	40	33	27	52	40	32	27	39	32	27	38	31	27

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

CB2-LED-38000L-DIM10-MVOLT-WD-40K-85

TEST NO.: **EL111821**

INPUT WATTS: **276.5**

LUMENS: **38540**

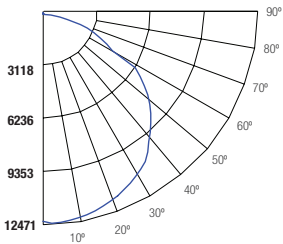
CRI: **85**

EFFICACY: **139**

CCT: **4000K**

SPACING CRITERIA: **1.46**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4567.42	11.90	11.90
0-30	9835.91	25.50	25.50
0-40	16416.09	42.60	42.60
0-60	30084.18	78.10	78.10
0-80	37655.31	97.70	97.70
0-90	38196.78	99.10	99.10

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	23263	23910	22702
55	23238	23567	22564
65	17905	22889	21576
75	16204	16696	18563
85	2285	8811	11592

Lumens Per Zone

Zone	Lumens
0-10	1171.72
10-20	3395.69
20-30	5268.49
30-40	6580.19
40-50	7066.55
50-60	6601.53
60-70	4930.75
70-80	2640.38
80-90	541.47

Candela Tabulation

Q	
0	12355.91
5	12446.52
15	12138.04
25	11531.36
35	10716.37
45	9177.81
55	7436.75
65	4222.04
75	2339.95
85	111.13
90	42.86

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

RC	80%	70%	50%	30%	10%	50%	30%	10%	30%	10%	10%	50%	30%	10%	0%
RW	70%	50%	30%	10%	70%	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
	1	109	104	100	96	106	101	98	95	97	94	91	93	90	88
	2	99	91	83	78	97	89	82	77	85	79	75	81	77	73
	3	90	79	71	64	87	77	70	63	74	68	62	71	66	61
	4	82	70	61	54	79	68	60	54	66	58	53	63	57	52
	5	75	62	53	46	73	61	52	46	59	51	45	57	50	45
	6	69	56	47	40	67	55	46	40	53	45	39	51	44	39
	7	64	50	41	35	62	50	41	35	48	40	35	46	40	34
	8	60	46	37	31	58	45	37	31	44	36	31	42	36	31
	9	56	42	34	28	54	41	33	28	40	33	28	39	32	28
	10	52	39	31	25	51	38	30	25	37	30	25	36	30	25

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

CB2-LED-45000L-DIM10-MVOLT-WD-40K-85

TEST NO.: **EL05082013**

INPUT WATTS: **328.3**

LUMENS: **46328**

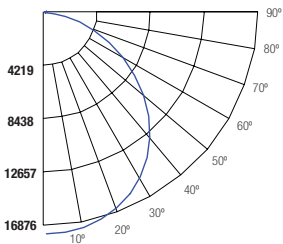
CRI: **85**

EFFICACY: **141**

CCT: **4000K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	6192	13.4	13.4
0-30	13181.84	28.5	28.5
0-40	21572.94	46.6	46.6
0-60	37307.76	80.7	80.5
0-80	45141.29	97.6	97.4
0-90	45871.66	99.2	99

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	28217	27684	27262
55	25904	24931	24278
65	22696	21241	20413
75	18316	16451	15730
85	12495	9767	9102

Lumens Per Zone

Zone	Lumens
0-10	1598.08
10-20	4593.92
20-30	6989.84
30-40	8391.1
40-50	8485.68
50-60	7249.14
60-70	5120.52
70-80	2713
80-90	730.38

Candela Tabulation

Q	
0	12355.91
5	12446.52
15	12138.04
25	11531.36
35	10716.37
45	9177.81
55	7436.75
65	4222.04
75	2339.95
85	111.13
90	42.86

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

RC	80%	70%	50%	30%	10%	50%	30%	10%	30%	10%	10%	50%	30%	10%	0%
RW	70%	50%	30%	10%	70%	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
	1	109	104	100	97	106	102	98	95	98	95	92	94	91	89
	2	99	91	85	79	97	89	83	78	86	81	76	84	78	76
	3	91	81	73	66	88	79	71	66	76	69	64	73	68	63
	4	83	72	63	56	81	70	62	56	67	60	55	65	59	54
	5	77	64	55	49	74	63	54	48	61	53	48	58	52	47
	6	71	58	49	42	69	57	48	42	55	47	42	53	46	41
	7	66	52	44	38	64	51	43	37	50	42	37	48	42	37
	8	61	48	39	34	60	47	39	33	46	38	33	44	38	33
	9	57	44	36	30	56	43	35	30	42	35	30	41	34	30
	10	54	40	33	27	52	40	32	27	39	32	27	38	31	27

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

CB2-LED-58000L-DIM10-MVOLT-WD-40K-85

TEST NO.: **EL111821**

INPUT WATTS: **440.4**

LUMENS: **61291**

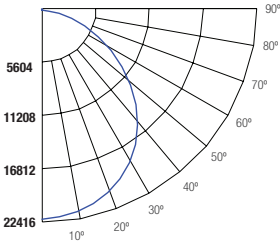
CRI: **85**

EFFICACY: **139**

CCT: **4000K**

SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	8148.26	13.3	13.3
0-30	17332.43	28.3	28.3
0-40	28352	46.3	46.3
0-60	49137.01	80.3	80.2
0-80	59696.09	97.6	97.4
0-90	60711.93	99.2	99.1

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	31209	30667	30056
55	28898	28062	27173
65	25691	24541	23488
75	21483	20090	18977
85	15912	14283	12964

Lumens Per Zone

Zone	Lumens
0-10	2104.4
10-20	6043.86
20-30	9184.17
30-40	11019.57
40-50	11167.46
50-60	9617.56
60-70	6864.77
70-80	3694.3
80-90	1015.84

Candela Tabulation

Q	
0	22229.789
5	22184.109
15	21504.449
25	20086.07
35	17839.211
45	14775.27
55	11097.52
65	7269.48
75	3722.68
85	928.49
90	139.47

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%				30%				10%				0%
		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	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86		84
	2	99	91	85	79	97	89	83	78	86	80	76		82	78	74		79	76	72		70
	3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	65	62		59
	4	83	71	63	56	81	70	62	56	67	60	55		65	59	54		63	57	53		51
	5	77	64	55	48	74	63	54	48	60	53	47		58	52	47		56	51	46		44
	6	71	57	49	42	69	56	48	42	55	47	42		53	46	41		51	45	41		39
	7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36		34
	8	61	48	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32		31
	9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29		27
	10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27		25

RC - Ceiling Cavity Reflectance

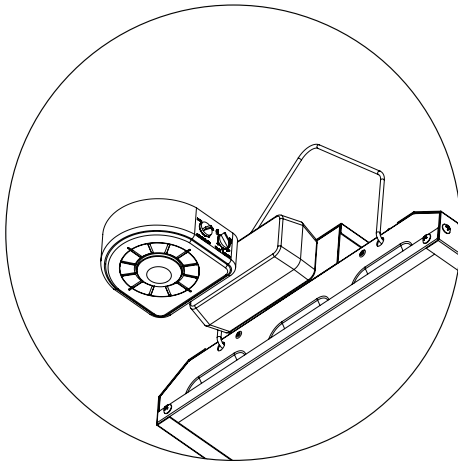
RW - Wall Reflectance

With the side mounted 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 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	☐ LUT-WSP24V-360-xx1-CPN6112 Wired Occupancy Sensors *Consult Factory	☐ OSFHU-LTW PIR Fixture Mount High Bay Occupancy Sensor	☐ SNH200 SNH200 for High Bay *Consult Factory	☐ HBP-111 PIR Fixture Mount High Bay Occupancy Sensor
		☐ HB011-PDX PIR Fixture Mount Occupancy Sensor with Daylight Harvesting		☐ FSP-221-B-D PIR Fixture Mount High Bay Sensor with Daylight Harvesting
		☐ OFD1Z-IOW - IP66 PIR Sensors with Bluetooth™ Connectivity and UV Stable Plastic		☐ FSP311-B-D 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.

SIDE MOUNT OCCUPANCYDAYLIGHT ARVESTING SENSOR



LUTRON

- ☐ LUT-WSP24V-360-xx1-CPN6112
Wired Occupancy Sensors

LEVITON

- ☐ OSFHU-LTW
PIR Fixture Mount High-Bay Occupancy Sensor
- ☐ 411-HBOLA-PDX
PIR Fixture Mount Occupancy Sensor with Daylight Harvesting
- ☐ OFD1Z-IOW
IP66 PIR Sensors with Bluetooth™ Connectivity and UV Stable Plastic

PHILIPS

- ☐ SNH200
SNH200 for High Bay

LEGRAND

- ☐ HBP-111
PIR Fixture Mount High Bay Occupancy Sensor
- ☐ FSP-221-B-D
PIR Fixture Mount High Bay Sensor with Daylight Harvesting
- ☐ FSP311-B-D
0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.

DOUGLAS LIGHTING CONTROLS

- ☐ BT-FMS-A
Bluetooth® enabled fixture mounted occupancy/daylight sensor and controller