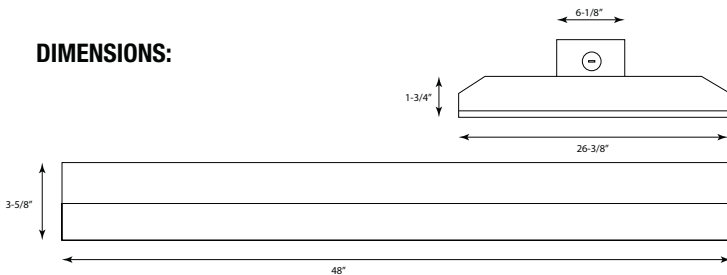


DIMENSIONS:



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
72000	79634	565 W
52000	52190	380 W
48000	48166	334 W
42000	42480	291 W

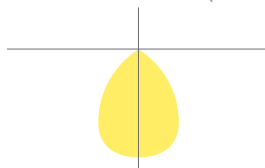
Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

FEATURES

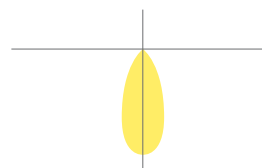
The CB-LED is a highly efficient LED luminaire ideal for large interior spaces with high mounting heights that require uniform general illumination. Designed as a replacement for conventional linear fluorescent and HID high bays found in manufacturing facilities, gymnasiums, warehouses, and many other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

LUMENS	42000L, 48000L, 52000L, 72000L
CCT	30K, 35K, 40K, 50K, 57K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
SIZE	30"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) GTD-UL924
LIFETIME	L70 at 167,000 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 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.

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)

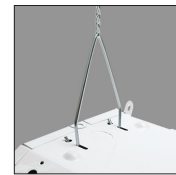
LISTING

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

MOUNTING



CB12-MH
Mounting HUB



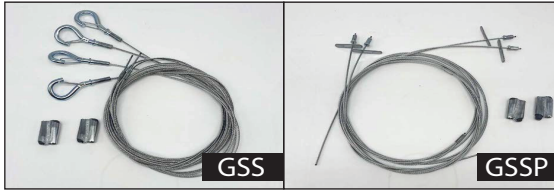
VHCH
V-hook with chain kit



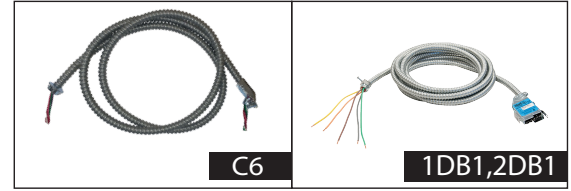
GSS
Gripper Suspension System

Ordering Information: Example: CB12-LED-42000L-DIM10-MVOLT-WD-30K-85

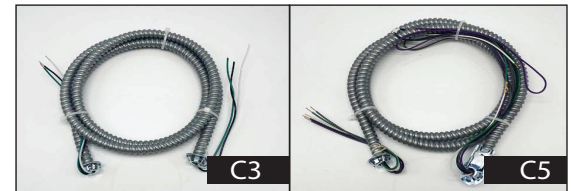
CB12	LED									
SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY		
CB12-Oracle LED High Bay Series	LED	42000L - (42000 lumens) 48000L - (48000 lumens) 52000L - (52000 lumens) 72000L - (72000 lumens)	DIM10* - DIM10-MVOLT *Consult factory for other dimming options	MVOLT 347* 480 * Consult 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 GTD-UL924 (listed bodine GTD factory installs on drive input) *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			CB12LED-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 MH - Mounting Hub CB12-CL - Clear Lens GSS - Gripper Suspension System GSSP - Gripper 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 USA - Made in America Compliance SU-5S-HRW-[IOT/CL/IL] - EnlightedRuggedized Sensor FSP311-B-D - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option. FSP-311B-D-L7-BR - 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.(120-480V)				



WHIPS	
<input type="checkbox"/> GSS GRIPPLE SUSPENSION SYSTEM	<input type="checkbox"/> GSSP GRIPPLE SYSTEM WITH PADDLES



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



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

CORDS



CORDS			
<input type="checkbox"/> S05-BK 5 WIRES BLACK CORD 18AWG 105 DEGREE CELCIUS RATED WHITE BLACK GREEN PURPLE GREY WIRES 120/277 VOLT	<input type="checkbox"/> S05-WH 5 WIRES WHITE CORD 18AWG 105 DEGREE CELCIUS RATED WHITE BLACK GREEN PURPLE GREY WIRES 120/277 VOLT	<input type="checkbox"/> S06-BK 6 WIRE BLACK CORD BLACK GREY PURPLE ORANGE GREEN AND WHITE CABLES	<input type="checkbox"/> S06-WH 6 WIRE WHITE CORD BLACK GREY PURPLE ORANGE GREEN AND WHITE CABLES

PLUGS



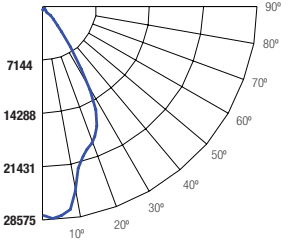
PLUGS				
<input type="checkbox"/> PCTL120 10' NEMA L5-15R 120V TWIST LOCK PLUG	<input type="checkbox"/> PCSB120 10' NEMA 5-15R 120V STRAIGHT BLADE PLUG <input type="checkbox"/> PCSB120-BK 10' NEMA 5-15R 120V STRAIGHT BLADE PLUG-BLACK	<input type="checkbox"/> PCTL277 10' NEMA L7-15P 277V TWIST LOCK PLUG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

CB12-LED-42000L-DIM10-MVOLT-ND-40K-85

TEST NO.: EL091630

INPUT WATTS: **292.4** LUMENS: **38798** CRI: **85** EFFICACY: **133** CCT: **4000K** SPACING CRITERIA: **1.02**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	9375.7	N.A.	24.20
0-30	18435.37	N.A.	47.50
0-40	26539.36	N.A.	68.40
0-60	36011.94	N.A.	92.80
0-80	38396.01	N.A.	99.00
0-90	38530.33	N.A.	99.30

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1430	8546	46381
55	314	1571	44870
65	165	342	40967
75	143	288	31860
85	189	384	11502

Lumens Per Zone

Zone	Lumens
0-10	2650.6
10-20	6725.11
20-30	9059.67
30-40	8103.99
40-50	5784.76
50-60	3687.83
60-70	1677.47
70-80	706.59
80-90	134.33

Candela Tabulation

θ	0	5	15	25	35	45	55	65	75	85	90
0	28147.008										
5	28100.415										
15	20509.117										
25	16238.867										
35	4117.879										
45	601.982										
55	107.103										
65	41.566										
75	21.995										
85	9.827										
90	2.673										

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

Cone of Light			
2	7037	2	5.9
4	1759	4	11.8
6	782	6	17.7
8	440	8.1	23.7
10	281	10.1	29.6
12	195	12.1	35.5
(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.			

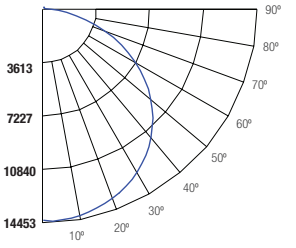
RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99		
1	112	108	105	102	109	106	103	100	101	99	97	97	98	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	92	88	85	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	75	82	77	74	79	76	73	71		
4	90	81	74	69	88	80	73	68	77	72	67	67	75	70	66	73	69	65	64		
5	85	74	67	61	83	73	66	61	71	65	60	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	66	59	55	55	64	58	54	62	58	54	52		
7	74	63	56	50	73	62	55	50	61	54	50	50	59	54	50	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	46	55	50	45	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	39	48	43	39	48	42	39	37		
RC - Ceiling Cavity Reflectance RW - Wall Reflectance																					

CB12-LED-42000L-DIM10-MVOLT-WD-40K-85

TEST NO.: EL111886

INPUT WATTS: **291.4** LUMENS: **42480** CRI: **85** EFFICACY: **146** CCT: **4000K** SPACING CRITERIA: **1.46**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	5312.43	12.50	12.50
0-30	11418.26	26.90	26.90
0-40	19001.87	44.70	44.70
0-60	34078.51	80.30	80.20
0-80	41664.24	98.10	98.10
0-90	42156.04	99.30	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	18225	18043	16355
55	17882	15851	15437
65	16916	13155	13426
75	14046	9612	7683
85	7510	3829	4941

Lumens Per Zone

Zone	Lumens
0-10	1364.34
10-20	3948.1
20-30	6105.82
30-40	7583.62
40-50	7986.96
50-60	7089.67
60-70	5116.77
70-80	2468.95
80-90	491.81

Candela Tabulation

θ	0	5	15	25	35	45	55	65	75	85	90
0	14416.46										
5	14046.57										
15	13315.50										
25	12189.29										
35	10545.51										
45	8393.28										
55	5850.12										
65	2974.77										
75	535.65										
85	40.48										
90											

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

Cone of Light			
2	3598	6.9	5.8
4	899	13.9	11.6
6	400	20.8	17.4
8	225	27.8	23.2
10	144	34.7	29
12	99.9	41.7	34.8
(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.			

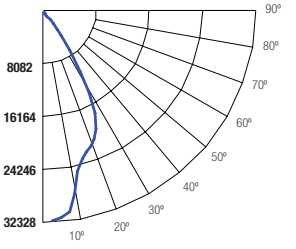
RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99		
1	109	104	100	97	106	102	98	95	98	95	92	92	94	91	89	90	88	86	84		
2	99	91	84	79	97	89	83	78	86	80	76	76	82	78	74	79	75	72	70		
3	90	80	72	66	88	78	71	65	75	69	64	64	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	54	64	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	47	58	51	46	56	50	46	43		
6	70	57	48	41	68	56	47	41	54	46	41	41	52	45	40	51	45	40	38		
7	65	51	43	37	63	51	42	36	49	41	36	36	47	41	36	46	40	35	33		
8	60	47	38	33	59	46	38	32	45	37	32	32	43	37	32	42	36	32	30		
9	56	43	35	29	55	42	34	29	41	34	29	29	40	33	29	39	33	28	27		
10	53	40	32	26	52	39	31	26	38	31	26	26	37	31	26	36	30	26	24		
RC - Ceiling Cavity Reflectance RW - Wall Reflectance																					

CB12-LED-48000L-DIM10-MVOLT-ND-40K-85

TEST NO.: EL091630

INPUT WATTS: **334.4** LUMENS: **43893** CRI: **85** EFFICACY: **131** CCT: **4000K** SPACING CRITERIA: **1.02**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	10606.97	N.A.	24.20
0-30	20856.4	N.A.	47.50
0-40	30024.64	N.A.	68.40
0-60	40741.22	N.A.	92.80
0-80	43438.38	N.A.	99.00
0-90	43590.33	N.A.	99.30

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	1618	9668	52472
55	355	1777	50762
65	187	387	46347
75	162	326	36045
85	214	435	13013

Lumens Per Zone

Zone	Lumens
0-10	2998.69
10-20	7608.28
20-30	10249.43
30-40	9168.24
40-50	6544.44
50-60	4172.14
60-70	1897.76
70-80	799.39
80-90	151.97

Candela Tabulation

θ	0	5	15	25	35	45	55	65	75	85	90
0	31843.423										
5	31790.711										
15	23202.484										
25	18371.441										
35	4658.661										
45	681.038										
55	121.169										
65	47.025										
75	24.884										
85	11.118										
90	3.024										

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

Cone of Light			
2	7961	2	5.9
4	1990	4	11.8

CB12-LED-4800L-DIM10-MVOLT-WD-40K-85

INPUT WATTS: 334.6

LUMENS: 48166

CRI: 85

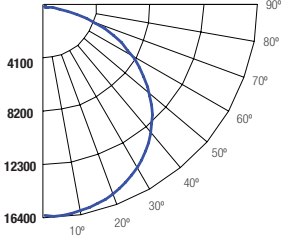
EFFICACY: 144

CCT: 4000K

TEST NO.: EL111887

SPACING CRITERIA: 1.46

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	6017.68	12.50	12.50
0-30	12935.63	26.90	26.90
0-40	21526.4	44.70	44.70
0-60	38624.17	80.20	80.20
0-80	47246.72	98.20	98.10
0-90	47802.44	99.30	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20659	20518	18521
55	20266	18077	17522
65	19145	14688	15197
75	15874	11151	8711
85	8207	4495	5632

Lumens Per Zone

Zone	Lumens
0-10	1545.74
10-20	4471.94
20-30	6917.95
30-40	8590.76
40-50	9052.25
50-60	8045.52
60-70	5804.98
70-80	2817.57
80-90	555.72

Candela Tabulation

Φ	0	5	15	25	35	45	55	65	75	85	90
0	16305.280										
5	16357.690										
15	15931.790										
25	15099.650										
35	13815.200										
45	11954.100										
55	9512.240										
65	6621.070										
75	3361.960										
85	585.360										
90	44.540										

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%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	101	99	99			
1	109	104	100	97	106	102	98	95	98	95	92	92	94	91	89	90	88	86	84	86	84	84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	75	72	70	72	70	70	70			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	70	65	61	59	61	59	59	59			
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50	53	50	50	50			
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	43	46	43	43	43			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	40	38	38	38			
7	65	51	43	37	63	51	42	36	49	41	36	47	41	36	46	40	35	33	36	33	33	33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30	33	30	30	30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27	29	27	27	27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24	26	24	24	24			

Cone of Light

	4076	6.9	5.8
2			
4	1019	13.9	11.6
6	453	20.8	17.4
8	225	27.7	23.2
10	163	34.6	29
12	113	41.6	34.9

(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 - Ceiling Cavity Reflectance RW - Wall Reflectance

CB12-LED-52000L-DIM10-MVOLT-ND-40K-85

INPUT WATTS: 368.4

LUMENS: 47445

CRI: 85

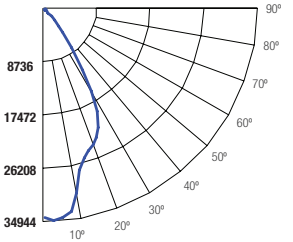
EFFICACY: 129

CCT: 4000K

TEST NO.: EL091630

SPACING CRITERIA: 1.02

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	11465.47	N.A.	24.20
0-30	22544.46	N.A.	47.50
0-40	32454.76	N.A.	68.40
0-60	44038.7	N.A.	92.80
0-80	46954.1	N.A.	99.00
0-90	47118.41	N.A.	99.30

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1749	10450	56719
55	384	1921	54871
65	202	419	50098
75	175	352	38962
85	232	470	14066

Lumens Per Zone

Zone	Lumens
0-10	3241.39
10-20	8224.08
20-30	11078.99
30-40	9910.3
40-50	7074.13
50-60	4509.82
60-70	2051.36
70-80	864.09
80-90	164.27

Candela Tabulation

Φ	0	5	15	25	35	45	55	65	75	85	90
0	34420.738										
5	34363.760										
15	25080.426										
25	19858.373										
35	5035.719										
45	736.159										
55	130.976										
65	50.831										
75	26.897										
85	12.018										
90	3.268										

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%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	101	99	99			
1	112	108	105	102	102	106	106	103	100	101	99	97	98	96	94	94	92	91	89	91	89	89			
2	104	98	93	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	76	73	71	71			
3	97	89	82	77	95	87	81	77	84	79	75	82	77	74	79	76	73	71	68	65	64	64			
4	90	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	64	61	59	57	57			
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	54	52	52	52			
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	62	58	54	52	49	47	47	47			
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	47	44	44	44	44			
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44	42	42	42	42			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40	39	39	39	39			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	37	37			

Cone of Light

	8605	2	5.9
2			
4	2151	4	11.8
6	956	6	17.7
8	538	8.1	23.7
10	344	10.1	29.6
12	239	12.1	35.5

(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 - Ceiling Cavity Reflectance RW - Wall Reflectance

CB12-LED-52000L-DIM10-MVOLT-WD-40K-85

INPUT WATTS: 368.3

LUMENS: 52171

CRI: 85

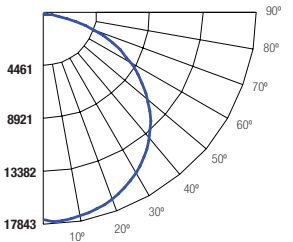
EFFICACY: 141

CCT: 4000K

TEST NO.: EL111885

SPACING CRITERIA: 1.46

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	6527.22	12.50	12.50
0-30	14029.49	26.90	26.90
0-40	23346.29	44.70	44.70
0-60	41882.9	80.30	80.30
0-80	51201.29	98.10	98.10
0-90	51798.86	99.30	99.20

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	22463	22270	20187
55	22036	19568	19340
65	20833	16182	16524
75	17256	11875	9431
85	9109	4719	5997

Lumens Per Zone

Zone	Lumens
0-10	1676.63
10-20	4850.59
20-30	7502.27
30-40	9316.8
40-50	9816.33
50-60	8720.28
60-70	6283.47
70-80	3034.92
80-90	597.56

Candela Tabulation

Φ	0	5	15	25	35	45	55	65	75	85	90
0	17689.381										
5	17796.189										
15	17330.770										
25	16428.859										
35	15036.470										
45	12998.060										
55	10343.060										
65	7204.710										
75	3654.650										
85	649.680										
90	48.200										

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%	50%	30%	10%	0%		
0	119	119	119	119	119	116																			






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

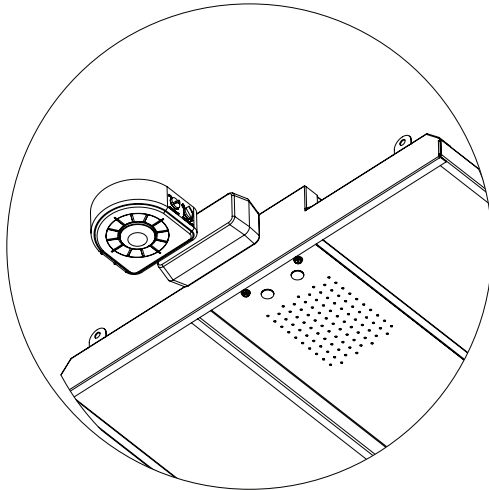
Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

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"/> SU-5S-HRW-[IoT/CL/IL] Ruggedized 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.	

*Customer Supplied Control Parts

**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

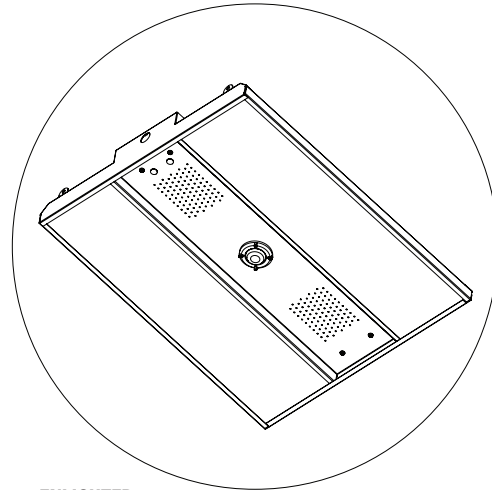
- FSP-321B-D-L7-BR (120-480V)

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.

**INSIDE MOUNT OCCUPANCY
DAYLIGHT HARVESTING SENSOR**



ENLIGHTED

- SU-5S-HRW-[IoT/CL/IL]

Ruggedized Sensor