



DIMENSION

1.9"





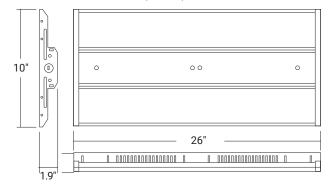


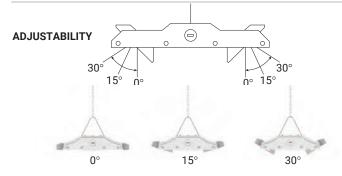




80W | 110W | 150W 10" 1 14.6"

165W | 190W | 220W





Rotation light bar angle Function Lightbar can rotate to 3 steps 0°/15°/30° for different applications.

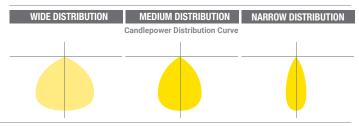
FEATURES

The CB2-CPA-LED is a highly efficient LED luminaire ideal for large interior spaces with high mounting heights that require uniform general illumination. Available in extremely handy design feature, can quickly adjust light output, CCT and beam spread as needed to acquire the ideal spread of illumination. Designed as a replacement for conventional linear fluorescent and HID high bays found in manufacturing facilities,

LUMENS	12000, 15000, 21000L 24000L, 27000L, 30000L				
сст	30K/35K/40K/50K				
CRI	85+ Standard				
COLOR QUALITY	3 Step MacAdam Ellipse				
MOUNTING	Suspended, Ceiling and Stem mount				
DISTRIBUTION	Wide (WD), Medium (MD), Narrow (ND)				
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
	30000	27318	213W
_	27000	24874	189W
	24000	22913	169W
	21000	17661	136W
_	15000	14951	110W
	12000	12256	87W

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



















OPTICAL SYSTEM

The luminaire provides a Wide (W) distribution with different shielding options and ships standard with a frosted PC 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.

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 and Dia cast driver junction box, 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.

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.

Easily access field-adjustable 4-Color SeleCCT from 3000K to 5000K or switch without lowering the luminaire from the Ceiling.



DRIVER ELECTRICAL INFORMATION

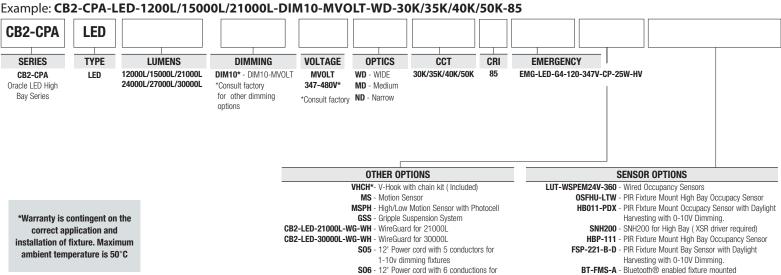
DIM10 - Flicker Free 5% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277 or 347V.

WARRANTY

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

LISTING

c-UL-us - Listed for Feed Through Wiring. Listed for DLC 5.1 Premium, California Title 24 compliant. c-UL-us Damp location listed.



CB2-CPA-SMB - Surface Mount Bracket

CB2-MH - Mounting HUB

1-10V dimming and with emergency



occupancy/daylight sensor and controller

sensor with bluetooth control option.

FSP311-B-D - 0-10V continuous dimming PIR photo/motion



MOUNTING OPTION

Mounting Standard









Pendant Mounting

Celing Mounting

Stem Mounting

MOUNTING ACCESSORIES



CB2-CPA-SMB Surface Mount Bracket



CB2-CPA-MH Mounting HUB



VHCH V-hook with chain kit



GSS Gripple Suspension System



CB2-LED-21000L-WG-WH CB2-LED-30000L-WG-WH Wireguard







☐ GSS

GRIPPLE SUSPENSION SYSTEM

v □ GSSP

☐ 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





C3

3/8 X 6FT FLEX ASSY 3/18 BLK, WHT GRN - 84" 90 DEGREE SNAP & STR SNAP - ALUMINUM /SINGLE CIRCUIT

WHIPS C5

C5-3/8X6FT FLEX ASSY 18/5 W/GRAY & PURPLE WIRE -EXTENDED TO 12"

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

CORDS

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











☐ 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)





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

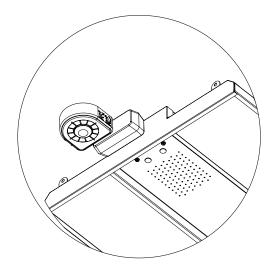
Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

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	ELUTRON	LEVITON.	PHILIPS EasySense	la legrand °
	□ LUT-WSPEM24V-360-xx1-CPN6112 Wired Occupancy Sensors	OSFHU-LTW		☐ HBP-111 PIR Fixture Mount High Bay Occupancy Sensor
		PIR Fixture Mount High Bay Occupancy Sensor HB011-PDX	□ SNH200 SNH200 for High Bay	☐ FSP-321B-D-L7-BR (120-480V) 0-10V continuous dimming PIR photo/motion sensor with bluetooth control option.
		PIR Fixture Mount Occupancy Sensor with Daylight Harvesting		☐ FSP311-B-D 0-10V continuous dimming PIR photo/motionsensor with bluetooth control option.

^{*}Customer Supplied Control Parts

SIDE MOUNT OCCUPANCY DAYLIGHT HARVESTING SENSOR



LUTRON

☐ LUT-WSPEM24V-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

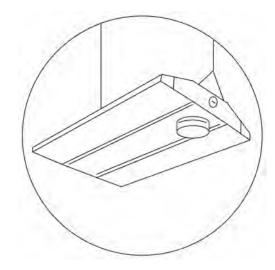
☐ FSP-321B-D-L7-BR (120-480V)

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



\Box LEGRAND

☐ FSP-321B-L7-BR (120-480V)

PIR Fixture Mount High Bay Occupancy Sensor

CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(12000L) TEST NO.: **EL07072207** INPUT WATTS: 87.2 LUMENS: 12256 EFFICACY: 141 BEAM ANGLE: 86 SPACING CRITERIA: 1.26 **CANDELA DISTRIBUTION** LUMINANCE (cd/sq.m) **LUMENS PER ZONE CANDELA TABLE ZONAL LUMEN SUMMARY** 500 1000 1500 2000 2500 3500 4000 4500 5500 600 10° 20° 90° 0.00° 90.00° ZONE LUMENS ZONE UMENS % LUMINAIRE 6026 6026 0.00° 64865 64865 0° - 10° 0° - 20° 2208 5963 10° - 20° 10° 45.00° 5606 25674 27587 20° - 30° 2467 0° - 40° 7420 61% 5717 20° 55 00° 5002 17794 22946 30° - 40° 2745 0° - 60° 10686 87% 5191 30° 65.00° 3621 25048 19518 40° - 50° 2044 0° - 80° 12029 98% 40° 3995 75.00°

85.00°

35687

27514

1979

1126

674

390

50° 2054

80° 448

90°

932

636

CONE	OF	LIGHT

30°

·	CORE OF EIGHT										
MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°								
6.0 ft	167.4 fc	11.2 ft	11.3 ft								
8.0 ft	94.2 fc	14.9 ft	15.0 ft								
10.0 ft	60.3 fc	18.6 ft	18.8 ft								
12.0 ft	41.8 fc	22.3 ft	22.5 ft								
14.0 ft	30.7 fc	26.0 ft	26.3 ft								
16.0 ft	23.5 fc	29.8 ft	30.0 ft								
18.0 ft	18.6 fc	33.5 ft	33.8 ft								
20.0 ft	15.1 fc	37.2 ft	37.5 ft								

OOR COFFEIGHNIS OF UTILIZATION

50° - 60°

60° - 70°

70° - 80°

80° - 90°

1222

792

551

227

0° - 90° 12256

100%

TEST NO.: **EL07072207**

	INDOOR COEFFICIENTS OF UTILIZATION																	
ρf									20%									0%
ρс		80)%			70)%			50%			30%			10%		0%
ρw	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	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	102	94	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32

CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(15000L)

LUMENS: 14951 EFFICACY: 136 BEAM ANGLE: 86

INPUT WATTS: 110.3	l
CANDELA DISTR	IBUTION
500 1000	90°
1500 2000 2500	80°
3000 3500	70°
4000 4500 5000	60°
5500 6000 6500	/
7000 7500 7500 7500 7500 7500 7500 7500	
-	

51		EFFICACY:	136	E	BEAM ANG	GLE: 86		SPACING CRITERIA: 1.26				
CAN	IDELA .	TABLE	LUMINA	ANCE (co	d/sq.m)	LUMENS PER ZONE		ZONAL LUMEN SUMMARY				
	0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE		
0°	7348	7348	0.00°	79097	79097	0° - 10°	698	0° - 20°	2694	18%		
10°	7275	7235	45.00°	56976	49528	10° - 20°	1997	0° - 30°	5704	38%		
20°	6975	6845	55.00°	31489	33768	20° - 30°	3010	0° - 40°	9054	61%		
30°	6348	6106	65.00°	21733	27855	30° - 40°	3350	0° - 60°	13042	87%		
40°	4895	4428	75.00°	30595	23772	40° - 50°	2496	0° - 80°	14676	98%		
50°	2521	2424	85.00°	43667	33865	50° - 60°	1492	0° - 90°	14951	100%		
60°	1140	1379				60° - 70°	963					
70°	776	822				70° - 80°	671					
80°	549	476				80° - 90°	275					
90°	85	6										

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	204.1 fc	11.2 ft	11.3 ft
8.0 ft	114.8 fc	14.9 ft	15.0 ft
10.0 ft	73.5 fc	18.6 ft	18.8 ft
12.0 ft	51.0 fc	22.3 ft	22.5 ft
14.0 ft	37.5 fc	26.0 ft	26.3 ft
16.0 ft	28.7 fc	29.8 ft	30.0 ft
18.0 ft	22.7 fc	33.5 ft	33.8 ft
20.0 ft	18.4 fc	37.2 ft	37.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%									0%
ρς		80)%			70)%			50%			30%			10%		0%
ρw	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	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32

CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(21000L)

TEST NO.: **EL07072207** SPACING CRITERIA: 1.26 INDLIT WATTS: 136 7 **LUMENS: 17661** FFFICACY: 129

INPUT WALLS: 136.7	L
CANDELA DISTR	IBUTION
	90°
1000	
2000	80°
3000	70°
4000	V /0"
5000	60°
6000	50°
7000	
80 <mark>00 30°</mark>	,
9000 10° 20°	

001		LITIOACT.	129	L	DEAIN AIN	GLL. 60		SFAU	ING CH	III LNIA. IIZU				
CAN	IDELA '	DELA TABLE		LA TABLE LUMINANCE (cd/sq.m)				LUMENS	PER ZONE	ZONAL LUMEN SUMMARY				
	0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE				
0°	8703	8703	0.00°	93674	93674	0° - 10°	826	0° - 20°	3191	18%				
10°	8621	8565	45.00°	67368	58330	10° - 20°	2365	0° - 30°	6749	38%				
20°	8268	8106	55.00°	37225	39701	20° - 30°	3558	0° - 40°	10710	61%				
30°	7488	7191	65.00°	25214	32792	30° - 40°	3961	0° - 60°	15419	87%				
40°	5782	5220	75.00°	36117	28032	40° - 50°	2949	0° - 80°	17340	98%				
50°	2981	2850	85.00°	51355	39743	50° - 60°	1759	0° - 90°	17661	100%				
60°	1348	1620				60° - 70°	1132							
70°	901	951				70° - 80°	789							
80°	647	562				80° - 90°	322							
000	aa	Ω												

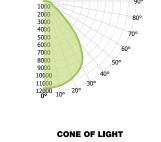
CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENT <mark>ER</mark>	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	241.7 fc	11.2 ft	11.3 ft
8.0 ft	136.0 fc	14.9 ft	15.0 ft
10.0 ft	87.0 fc	18.6 ft	18.8 ft
12.0 ft	60.4 fc	22.3 ft	22.5 ft
14.0 ft	44.4 fc	26.1 ft	26.3 ft
16.0 ft	34.0 fc	29.8 ft	30.0 ft
18.0 ft	26.9 fc	33.5 ft	33.8 ft
20.0 ft	21.8 fc	37.2 ft	37.5 ft
12.0 ft 14.0 ft 16.0 ft 18.0 ft	60.4 fc 44.4 fc 34.0 fc 26.9 fc	22.3 ft 26.1 ft 29.8 ft 33.5 ft	22.5 ft 26.3 ft 30.0 ft 33.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%									0%
ρс		80	1%			70	1%			50%			30%			10%		0%
ρw	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	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	56	79	68	61	55	66	60	55	64	59	54	63	58	54	52
6	75	63	55	50	74	62	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	45	69	57	50	44	56	49	44	55	48	44	53	48	44	42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	34
10	58	46	39	34	57	45	38	34	44	38	34	44	38	33	43	37	33	32

CB2-CPA-LED-24000L-27000L-30000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(24000L) TEST NO.: EL07072206 INPUT WATTS: 169.6 LUMENS: 22913 EFFICACY: 135 BEAM ANGLE: 86 SPACING CRITERIA: 1.25 CANDELA DISTRIBUTION CANDELA TABLE LUMINANCE (cd/sq.m) LUMENS PER ZONE ZONAL LUMENS WIMMARY 1000 90° 0° 11385 11385 0.00° 61274 61274 0° - 10° 1080 0° - 20° 4172 18%



CANDELA TABLE LUMINANCE (co				d/sq.m)		LUMENS	PER ZONE	ZONA	AL LUME	N SUMMARY		
0°	90°		0.00°	90.00°		ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE		
11385	11385	0.00°	61274	61274	,	0° - 10°	1080	0° - 20°	4172	18%		
11235	11254	45.00°	40666	38472		10° - 20°	3092	0° - 30°	8849	39%		
10703	10664	55.00°	22385	26346		20° - 30°	4677	0° - 40°	14079	61%		
9689	9568	65.00°	15117	21268		30° - 40°	5230	0° - 60°	20234	88%		
7164	6814	75.00°	18853	18388		40° - 50°	3887	0° - 80°	22580	99%		
3525	3801	85.00°	16696	24290		50° - 60°	2269	0° - 90°	22913	100%		
1613	2121					60° - 70°	1405					
1069	1243					70° - 80°	940					
630	729					80° - 90°	333					
17	9											
	0° 11385 11235 10703 9689 7164 3525 1613 1069 630	0° 90° 11385 11385 11235 11254 10703 10664 9689 9568 7164 6814 3525 3801 1613 2121 1069 1243 630 729	0° 90° 11385 11385 0.00° 11235 11254 45.00° 10703 10664 55.00° 9689 9568 65.00° 7164 6814 75.00° 3525 3801 85.00° 1613 2121 1069 1243 630 729	0° 90° 0.00° 11385 11385 0.00° 61274 11235 11254 45.00° 40666 10703 10664 55.00° 22385 9689 9568 65.00° 15117 7164 6814 75.00° 18853 3525 3801 85.00° 16696 1613 2121 2121 2143 630 729 729 729	0° 90° 0.00° 90.00° 11385 11385 0.00° 61274 61274 11235 11254 45.00° 40666 38472 10703 10664 55.00° 22385 26346 9689 9568 65.00° 15117 21268 7164 6814 75.00° 18853 18388 3525 3801 85.00° 16696 24290 1613 2121 1069 1243 630 729 729 729 729 72	0° 90° 0.00° 90.00° 11385 11385 0.00° 61274 61274 11235 11254 45.00° 40666 38472 10703 10664 55.00° 22385 26346 9689 9568 65.00° 15117 21268 7164 6814 75.00° 18853 18388 3525 3801 85.00° 16696 24290 1613 2121 1069 1243 630 729	0° 90° 0.00° 90.00° ZONE 11385 11385 0.00° 61274 61274 0° - 10° 11235 11254 45.00° 40666 38472 10° - 20° 10703 10664 55.00° 22385 26346 20° - 30° 9689 9568 65.00° 15117 21268 30° - 40° 7164 6814 75.00° 18853 18388 40° - 50° 3525 3801 85.00° 16696 24290 50° - 60° 1613 2121 60° - 70° 70° - 80° 1069 1243 - - 70° - 80° 630 729 80° - 90° 80° - 90°	0° 90° 0.00° 90.00° ZONE LUMENS 11385 11385 0.00° 61274 61274 0° - 10° 1080 11235 11254 45.00° 40666 38472 10° - 20° 3092 10703 10664 55.00° 22385 26346 20° - 30° 4677 9689 9568 65.00° 15117 21268 30° - 40° 5230 7164 6814 75.00° 18853 18388 40° - 50° 3887 3525 3801 85.00° 16696 24290 50° - 60° 2269 1613 2121 60° - 70° 1405 1069 1243 70° - 80° 940 630 729 80° - 90° 333	0° 90° 0.00° 90.00° ZONE LUMENS ZONE 11385 11385 0.00° 61274 61274 0°-10° 1080 0°-20° 11235 11254 45.00° 40666 38472 10°-20° 3092 0°-30° 10703 10664 55.00° 22385 26346 20°-30° 4677 0°-40° 9689 9568 65.00° 15117 21268 30°-40° 5230 0°-60° 7164 6814 75.00° 18853 18388 40°-50° 3887 0°-80° 3525 3801 85.00° 16696 24290 50°-60° 2269 0°-90° 1613 2121 60°-70° 1405 70°-80° 940 630 729 80°-90° 333 80°-90° 333	0° 90° 0.00° 90.00° ZONE LUMENS ZONE UMENS 11385 11385 0.00° 61274 61274 0° - 10° 1080 0° - 20° 4172 11235 11254 45.00° 40666 38472 10° - 20° 3092 0° - 30° 8849 10703 10664 55.00° 22385 26346 20° - 30° 4677 0° - 40° 14079 9689 9568 65.00° 15117 21268 30° - 40° 5230 0° - 60° 20234 7164 6814 75.00° 18853 18388 40° - 50° 3887 0° - 80° 22580 3525 3801 85.00° 16696 24290 50° - 60° 2269 0° - 90° 22913 1613 2121 60° - 70° 1405 70° - 80° 940 630 729 1243 80° - 90° 80° - 90° 333 180° 180° - 90° 1333		

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	316.3 fc	11.2 ft	11.2 ft
8.0 ft	177.9 fc	14.9 ft	15.0 ft
10.0 ft	113.9 fc	18.7 ft	18.7 ft
12.0 ft	79.1 fc	22.4 ft	22.4 ft
14.0 ft	58.1 fc	26.1 ft	26.2 ft
16.0 ft	44.5 fc	29.9 ft	29.9 ft
18.0 ft	35.1 fc	33.6 ft	33.7 ft
20.0 ft	28.5 fc	37.3 ft	37.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

	INDOOR COEFFICIENTS OF UTILIZATION																	
ρf									20%									0%
ρc		80)%			70)%			50%			30%			10%		0%
ρw	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	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	30	3/1	57	46	30	3/1	45	38	3/1	11	38	3/1	13	38	3/1	32

CB2-CPA-LED-24000L-27000L-30000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(27000L)

TEST NO.: **EL07072206**SPACING CRITERIA: **1.23 x 1.23**

PUT WATTS: 189.6	LUMENS:	3: 24874		
CANDELA DISTRIB	UTION	С		
1000	90°			
2000 3000	80°	0		
4000 5000	70°	10		
6000	Z / *	20		
7000 8000	60°	30		
9000	0°	40		
10000 11000 40°		50		
12000 30°		60		
13000 10° 20°		70		

4	EFI	FICACY:	131	BEAM	ANGLE: 86		SPA	ACING CR	ITERIA:	1.23 x 1.23
CA	NDELA	TABLE	LUMI	NANCE (c	d/sq.m)	LUMENS	PER ZONE	ZONA	AL LUME	N SUMMARY
	0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE
0°	12349	12349	0.00°	66464	66464	0° - 10°	1172	0° - 20°	4527	18%
10°	12139	12151	45.00°	38894	41669	10° - 20°	3355	0° - 30°	9603	39%
20°	11503	11519	55.00°	21635	28631	20° - 30°	5077	0° - 40°	15304	62%
30°	10315	10332	65.00°	15277	22918	30° - 40°	5700	0° - 60°	21960	88%
40°	7390	7374	75.00°	19594	19497	40° - 50°	4209	0° - 80°	24498	98%
50°	3410	4131	85.00°	17322	26036	50° - 60°	2447	0° - 90°	24874	100%
60°	1553	2297				60° - 70°	1514			
70°	1159	1340				70° - 80°	1024			
80°	656	786				80° - 90°	376			
an۰	12	10								

CONE OF LIGHT

38.1 fc

30.9 fc

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	343.0 fc	11.2 ft	11.2 ft
8.0 ft	193.0 fc	15.0 ft	15.0 ft
10.0 ft	123.5 fc	18.7 ft	18.7 ft
12.0 ft	85.8 fc	22.4 ft	22.5 ft
14.0 ft	63.0 fc	26.2 ft	26.2 ft
16.0 ft	48.2 fc	29.9 ft	30.0 ft

33.7 ft

37.4 ft

33.7 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf									20%									0%
ρς		80)%			70	1%			50%			30%			10%		0%
ρw	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	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	5.9	46	30	2/	57	16	30	3.4	45	38	2/	44	38	2/	13	38	3/	33

CB2-CPA-LED-24000L-27000L-30000L-DIM10-MVOLT-MD-30K-35K-40K-50K-85(30000L)

TEST NO.: **EL07072206**

INPUT WATTS: 213.8	LUMENS: 27318
CANDELA DISTRIE	BUTION
1000	90°
2000 3000	80°
4000 5000	70° 10
6000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
7000 8000	60° 30
9000	50° 41
10000	
12000 40°	50
13000 30°	60
14000 10° 20°	70

18.0 ft

20.0 ft

18	EFI	FICACY: 128	3	BEAM	ANGLE: 86		SPA	CING CR	ITERIA:	1.23 x 1.23
CA	NDELA	TABLE	LUMIN	ANCE (co	d/sq.m)	LUMENS	PER ZONE	ZONA	AL LUME	N SUMMARY
	0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	UMENS	% LUMINAIRE
0°	13559	13559	0.00°	72973	72973	0° - 10°	1287	0° - 20°	4970	18%
10°	13322	13359	45.00°	42727	45846	10° - 20°	3683	0° - 30°	10544	39%
20°	12625	12659	55.00°	23739	31500	20° - 30°	5574	0° - 40°	16808	62%
30°	11328	11358	65.00°	16767	25197	30° - 40°	6264	0° - 60°	24121	88%
40°	8130	8136	75.00°	21490	21414	40° - 50°	4624	0° - 80°	26906	98%
50°	3743	4543	85.00°	18906	28683	50° - 60°	2689	0° - 90°	27318	100%
60°	1704	2525				60° - 70°	1662			
70°	1274	1473				70° - 80°	1122			
80°	721	865				80° - 90°	412			
90°	13	11								

CONE OF LIGHT

INDOOR COEFFICIENTS OF UTILIZATION

MOUNTING	FC AT	BEAM	BEAM DIA.	ρf ρc		Q.C)%			70	1%		20%	50%			30%			10%		0% 0%
HEIGHT	BEAM	DIA.	90°-270°	ρυ	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	CENTER	0°-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
6.0 ft	376.6 fc	11.2 ft	11.2 ft	1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
8.0 ft	211.9 fc	15.0 ft	15.0 ft	2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
10.0 ft	135.6 fc	18.7 ft	18.7 ft	3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
12.0 ft	94.2 fc	22.4 ft	22.5 ft	4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
14.0 ft	69.2 fc	26.2 ft	26.2 ft	5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
16.0 ft	53.0 fc	29.9 ft	30.0 ft	6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
18.0 ft	41.8 fc	33.7 ft	33.7 ft	7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
20.0 ft	33.9 fc	37.4 ft	37.5 ft	8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
				9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
				10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32