



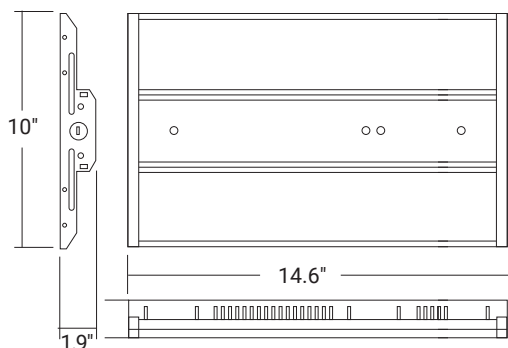
**ADJUSTABILITY**



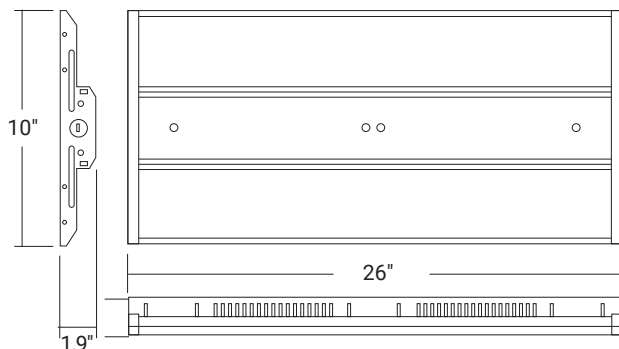
**EASY 4 COLORS  
SELECTOR**  
3000K • 3500K • 4000K • 5000K

**DIMENSION**

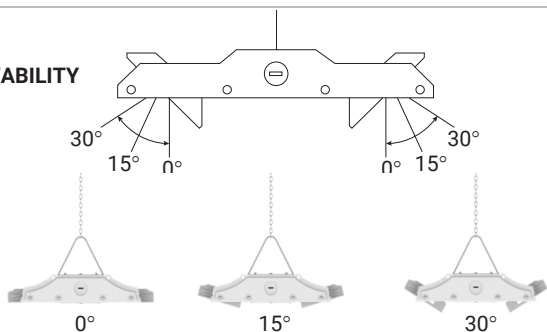
80W | 110W | 150W



165W | 190W | 220W



**ADJUSTABILITY**



**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,

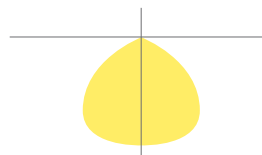
LUMENS	12000, 15000, 21000L 24000L, 27000L, 30000L
CCT	30K/35K/40K/50K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
MOUNTING	Suspended, Ceiling and Stem mount
DISTRIBUTION	Wide Distribution (WD), Medium Distribution (MD)
DIMMING	0-10V Flicker Free 5% Dimming Standard (DIM10)
EMERGENCY	10W - 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)
LIFETIME	L70 at 70,000 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%

**WIDE DISTRIBUTION**

Candlepower Distribution Curve



### 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.

### 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.

### CCT OPTION

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.

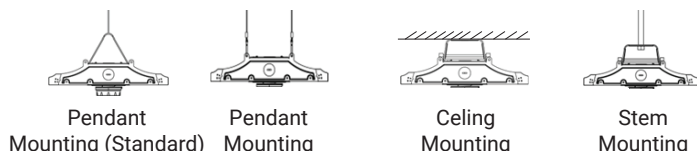
### WARRANTY

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.

### MOUNTING OPTION



### MOUNTING ACCESSORIES



**CB2-CPA-LED-SMB**  
Surface Mount Bracket



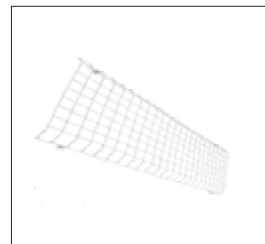
**CB2-CPA-MH**  
Mounting HUB



**VHCH**  
V-hook with chain kit



**GSS**  
Gripple Suspension System



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

Example: **CB2-CPA-LED-1200L/15000L/21000L-DIM10-MVOLT-WD-30K/35K/40K/50K-85**

CB2-CPA	LED										
SERIES	TYPE	LUMENS	DIMMING	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY			
CB2-CPA Oracle LED High Bay Series	LED	12000/15000/21000 24000/27000/30000	DIM10* - DIM10-MVOLT *Consult factory for other dimming options	MVOLT 347-480V* *Consult factory	WD - WIDE MD - Medium	30K/35K/40K/50K	85	0-EMG-LED-10W 0-EMG-LED-20W 0-EMG-LED-G2-10W-SDT 0-EMG-LED-G2-20W-SDT			
OTHER OPTIONS									SENSOR OPTIONS		
VHCH - V-Hook with chain kit MS - Motion Sensor MSPH - High/Low Motion Sensor with Photocell GSS - Gripple Suspension System CB2-LED-21000L-WG-WH - WireGuard for 21000L CB2-LED-30000L-WG-WH - WireGuard for 30000L S05 - 12' Power cord with 5 conductors for 0-10v dimming fixtures S06 - 12' Power cord with 6 conductors for 0-10V dimming and with emergency CB2-LED-SMB - Surface Mount Bracket CB2-MH - Mounting HUB									LUT-WSP24V-360 - Wired Occupancy Sensors OSFHU-LTW - PIR Fixture Mount High Bay Occupancy Sensor HB011-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.		

\*Warranty is contingent on the correct application and installation of fixture. Maximum ambient temperature is 50°C






#### 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

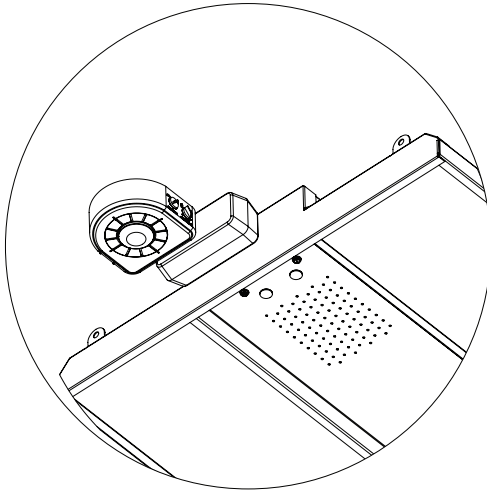
Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

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

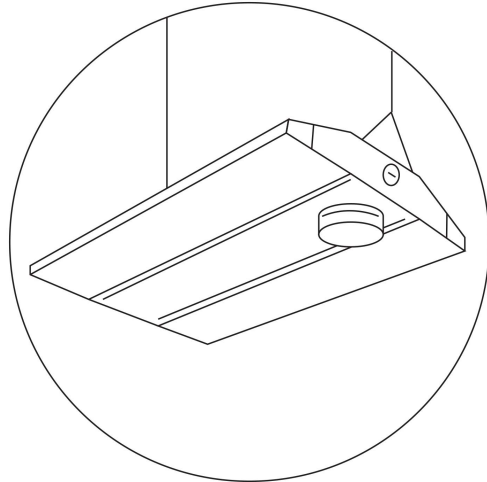
BRAND					
HIGH BAY SENSORS	<input type="checkbox"/> LUT-WSP24V-360-xx1-CPN6112 Wired Occupancy Sensors	<input type="checkbox"/> OSFHU-LTW PIR Fixture Mount High Bay Occupancy Sensor	<input type="checkbox"/> SNH200 SNH200 for High Bay	<input type="checkbox"/> HBP-111 PIR Fixture Mount High Bay Occupancy 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



#### INSIDE 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

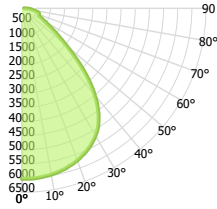
- ☐ SNH200  
SNH200 for High Bay

##### 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.

##### ENLIGHTED

- ☐ SU-5S-HRW-[IoT/CL/IL]  
Ruggedized Sensor
- ☐ **LEGRAND**
- ☐ FSP-321B-L7-BR (120-480V)  
PIR Fixture Mount High Bay Occupancy Sensor

**CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-WD-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****CONE OF LIGHT**

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

**CANDELA TABLE**

	0°	90°
0°	6026	6026
10°	5963	5935
20°	5717	5606
30°	5191	5002
40°	3995	3621
50°	2054	1979
60°	932	1126
70°	636	674
80°	448	390
90°	69	5

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	64865	64865
45.00°	46487	40515
55.00°	25674	27587
65.00°	17794	22946
75.00°	25048	19518
85.00°	35687	27514

**LUMENS PER ZONE**

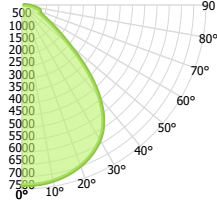
ZONE	LUMENS
0° - 10°	572
10° - 20°	1637
20° - 30°	2467
30° - 40°	2745
40° - 50°	2044
50° - 60°	1222
60° - 70°	792
70° - 80°	551
80° - 90°	227

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	2208	18%
0° - 30°	4675	38%
0° - 40°	7420	61%
0° - 60°	10686	87%
0° - 80°	12029	98%
0° - 90°	12256	100%

**INDOOR COEFFICIENTS OF UTILIZATION**

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

**CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-WD-30K-35K-40K-50K-85(15000L)**TEST NO.: **EL07072207**INPUT WATTS: **110.3**LUMENS: **14951**EFFICACY: **136**BEAM ANGLE: **86**SPACING CRITERIA: **1.26****CANDELA DISTRIBUTION****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

**CANDELA TABLE**

	0°	90°
0°	7348	7348
10°	7275	7235
20°	6975	6845
30°	6348	6106
40°	4895	4428
50°	2521	2424
60°	1140	1379
70°	776	822
80°	549	476
90°	85	6

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	79097	79097
45.00°	56976	49528
55.00°	31489	33768
65.00°	21733	27855
75.00°	30595	23772
85.00°	43667	33865

**LUMENS PER ZONE**

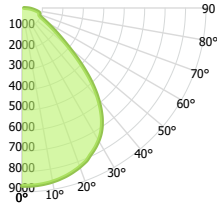
ZONE	LUMENS
0° - 10°	698
10° - 20°	1997
20° - 30°	3010
30° - 40°	3350
40° - 50°	2496
50° - 60°	1492
60° - 70°	963
70° - 80°	671
80° - 90°	275

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	2694	18%
0° - 30°	5704	38%
0° - 40°	9054	61%
0° - 60°	13042	87%
0° - 80°	14676	98%
0° - 90°	14951	100%

**INDOOR COEFFICIENTS OF UTILIZATION**

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

**CB2-CPA-LED-12000L-15000L-21000L-DIM10-MVOLT-WD-30K-35K-40K-50K-85(21000L)**TEST NO.: **EL07072207**INPUT WATTS: **136.7**LUMENS: **17661**EFFICACY: **129**BEAM ANGLE: **86**SPACING CRITERIA: **1.26****CANDELA DISTRIBUTION****CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	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

**CANDELA TABLE**

	0°	90°
0°	8703	8703
10°	8621	8565
20°	8268	8106
30°	7488	7191
40°	5782	5220
50°	2981	2850
60°	1348	1620
70°	901	951
80°	647	562
90°	99	8

**LUMINANCE (cd/sq.m)**

	0.00°	90.00°
0.00°	93674	93674
45.00°	67368	58330
55.00°	37225	39701
65.00°	25214	32792
75.00°	36117	28032
85.00°	51355	39743

**LUMENS PER ZONE**

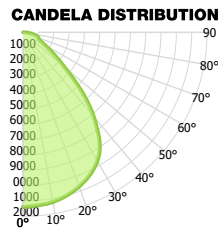
ZONE	LUMENS
0° - 10°	826
10° - 20°	2365
20° - 30°	3558
30° - 40°	3961
40° - 50°	2949
50° - 60°	1759
60° - 70°	1132
70° - 80°	789
80° - 90°	322

**ZONAL LUMEN SUMMARY**

ZONE	UMENS	% LUMINAIRE
0° - 20°	3191	18%
0° - 30°	6749	38%
0° - 40°	10710	61%
0° - 60°	15419	87%
0° - 80°	17340	98%
0° - 90°	17661	100%

**INDOOR COEFFICIENTS OF UTILIZATION**

pf pc pw	20%																		0%		
	80%				70%				50%				30%				10%				0%
	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-WD-30K-35K-40K-50K-85(24000L)**TEST NO.: **EL07072206**INPUT WATTS: **169.6**LUMENS: **22913**EFFICACY: **135**BEAM ANGLE: **86**SPACING CRITERIA: **1.25****CONE OF LIGHT**

CANDELA TABLE		
	0°	90°
0°	11385	11385
10°	11235	11254
20°	10703	10664
30°	9689	9568
40°	7164	6814
50°	3525	3801
60°	1613	2121
70°	1069	1243
80°	630	729
90°	17	9

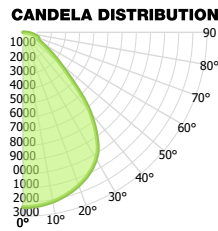
LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	61274	61274
45.00°	40666	38472
55.00°	22385	26346
65.00°	15117	21268
75.00°	18853	18388
85.00°	16696	24290

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	1080
10° - 20°	3092
20° - 30°	4677
30° - 40°	5230
40° - 50°	3887
50° - 60°	2269
60° - 70°	1405
70° - 80°	940
80° - 90°	333

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	4172	18%
0° - 30°	8849	39%
0° - 40°	14079	61%
0° - 60°	20234	88%
0° - 80°	22580	99%
0° - 90°	22913	100%

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																			
20%					30%					40%					50%				
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66	66
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32

**CB2-CPA-LED-24000L-27000L-30000L-DIM10-MVOLT-WD-30K-35K-40K-50K-85(27000L)**TEST NO.: **EL07072206**INPUT WATTS: **189.6**LUMENS: **24874**EFFICACY: **131**BEAM ANGLE: **86**SPACING CRITERIA: **1.23 x 1.23****CONE OF LIGHT**

CANDELA TABLE		
	0°	90°
0°	12349	12349
10°	12139	12151
20°	11503	11519
30°	10315	10332
40°	7390	7374
50°	3410	4131
60°	1553	2297
70°	1159	1340
80°	656	786
90°	12	10

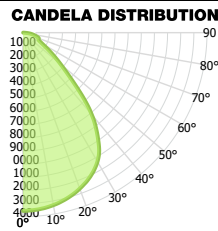
LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	66464	66464
45.00°	38894	41669
55.00°	21635	28631
65.00°	15277	22918
75.00°	19594	19497
85.00°	17322	26036

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	1172
10° - 20°	3355
20° - 30°	5077
30° - 40°	5700
40° - 50°	4209
50° - 60°	2447
60° - 70°	1514
70° - 80°	1024
80° - 90°	376

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	4527	18%
0° - 30°	9603	39%
0° - 40°	15304	62%
0° - 60°	21960	88%
0° - 80°	24498	98%
0° - 90°	24874	100%

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
18.0 ft	38.1 fc	33.7 ft	33.7 ft
20.0 ft	30.9 fc	37.4 ft	37.5 ft

INDOOR COEFFICIENTS OF UTILIZATION																			
20%					30%					40%					50%				
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66	66
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32

**CB2-CPA-LED-24000L-27000L-30000L-DIM10-MVOLT-WD-30K-35K-40K-50K-85(30000L)**TEST NO.: **EL07072206**INPUT WATTS: **213.8**LUMENS: **27318**EFFICACY: **128**BEAM ANGLE: **86**SPACING CRITERIA: **1.23 x 1.23****CONE OF LIGHT**

CANDELA TABLE		
	0°	90°
0°	13559	13559
10°	13322	13359
20°	12625	12659
30°	11328	11358
40°	8130	8136
50°	3743	4543
60°	1704	2525
70°	1274	1473
80°	721	865
90°	13	11

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	72973	72973
45.00°	42727	45846
55.00°	23739	31500
65.00°	16767	25197
75.00°	21490	21414
85.00°	18906	28683

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	1287
10° - 20°	3683
20° - 30°	5574
30° - 40°	6264
40° - 50°	4624
50° - 60°	2689
60° - 70°	1662
70° - 80°	1122
80° - 90°	412

ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	4970	18%
0° - 30°	10544	39%
0° - 40°	16808	62%
0° - 60°	24121	88%
0° - 80°	26906	98%
0° - 90°	27318	100%

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	376.6 fc	11.2 ft	11.2 ft
8.0 ft	211.9 fc	15.0 ft	15.0 ft
10.0 ft	135.6 fc	18.7 ft	18.7 ft
12.0 ft	94.2 fc	22.4 ft	22.5 ft
14.0 ft	69.2 fc	26.2 ft	26.2 ft
16.0 ft	53.0 fc	29.9 ft	30.0 ft
18.0 ft	41.8 fc	33.7 ft	33.7 ft
20.0 ft	33.9 fc	37.4 ft	37.5 ft

INDOOR COEFFICIENTS OF UTILIZATION																					
pf pc pw	20%																		0%		
	80%				70%				50%				30%				10%				0%
	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	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			