

High efficiency LED Sky Bays™. Use anywhere you need exceptional light distribution for mounting heights up to 60 feet.

## Limitless options for the following applications:

- Warehouses
- Commercial Facilities
- Manufacturing Facilities
- Aisles (Open and Stack)

## Great features and benefits:

- Energy-efficient – Up to 56% energy savings compared to traditional fluorescent
- Instant on
- Long life: 50,000 hours
- Replaces traditional metal halide and linear fluorescent high bay systems
- Excellent color rendering
- Heavy duty 20 gauge housing is code grade steel



LED Sky Bay™  
with Prismatic  
Wraparound Lens

LED Sky Bay™ with  
Prismatic Lens and  
Wire Guard



Fixture must be mounted using EZ hangers. Due to fixture construction, TCP advises against pendant mounting.

LED  
we know light.™

Features	Benefits
Up to 56% less energy than HID alternatives	Instant energy savings.
Long life	Minimizes replacement and maintenance costs.
Very low heat generation	Less energy wasted as heat.
Excellent Color Consistency and CRI	Enhances colors of focal point while maintaining uniformity throughout lighting installation.
Mercury free	Great for all environments
UL approved for damp location	Can be used outdoors when protected from elements. Withstands humidity indoors/outdoors.
TCP LED drivers are specifically designed for high efficient LED combination	Optimal performance and efficiency

## Specifications

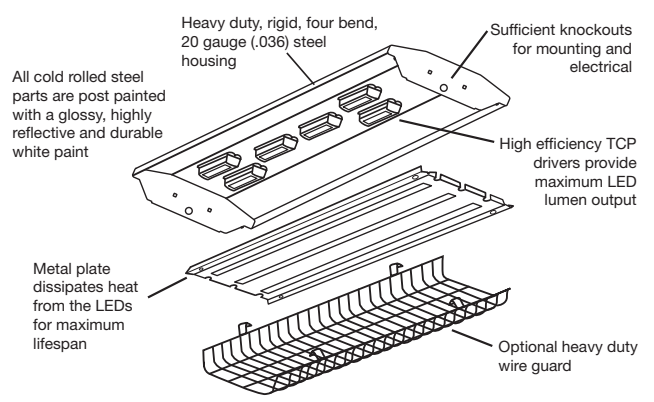
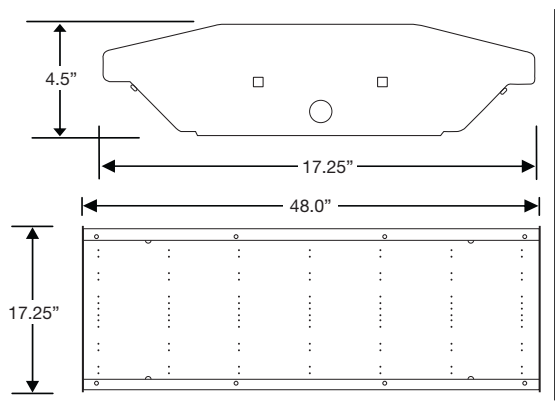
Input Line Voltage:	120 - 277/347/480 VAC
Input Line Frequency	50/60HZ
Fixture Life (Rated)	50,000 hrs
Minimum Starting Temp	-30°C
Maximum Operating Temp	50°C
CRI	83
Power Factor	>90%
THD	<20%

## Replacement Comparison

TYPE	WATTS	ENERGY SAVINGS (%)
TCP LED Sky Bay-20,000L	210W	
8 Lamp T5HO	482W	56%
400W Metal Halide	458W	54%
<hr/>		
TCP LED Sky Bay-24,000L	250W	
8 Lamp T5HO	482W	48%
400W Metal Halide	458W	45%



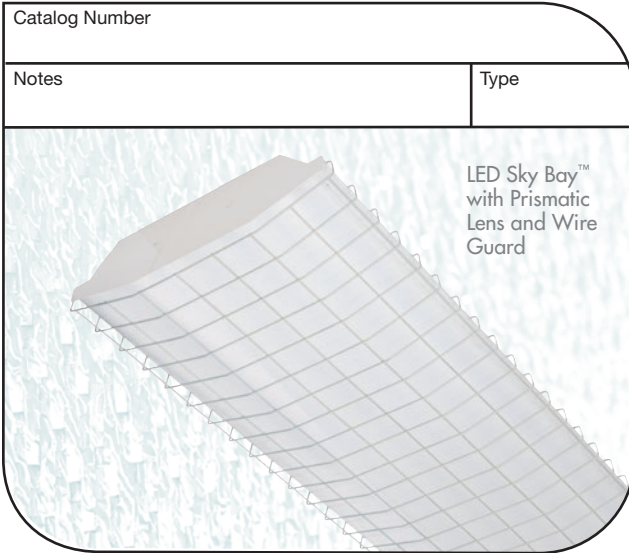
## Dimensions & Construction



**5 YEAR WARRANTY** For the most up-to-date specs and warranty information, please visit [www.tcp.com](http://www.tcp.com)



# LED Sky Bay™



## Application

The LED Sky Bay's superior lumen package is ideal for replacing traditional metal halide and linear fluorescent high bay systems. Benefits include high efficiency, excellent color rendering, long life, instant on, and improved uniformity. Suggested mounting heights from 30'–60' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

## Description

The full body assembly features TCP high efficiency drivers and high output LEDs. The LED Sky Bay's heavy duty 20 gauge housing and 8 gauge wireguard is code gauge steel and all components, excluding the wireguard, are post painted with a glossy, high reflectance white paint.

## Electrical

All drivers are class 2 rated and UL/cUL listed. Our drivers are tightly secured by mounting bolts.

## Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### LED Sky Bay™

**Installation**  
Suspension by chain, cable, or hook with appropriate accessories.

**Warranty**  
Five year warranty against defects in manufacturing.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

## Catalog Ordering Matrix

Brand	Family	Voltage and Controls	Lumen Package	Color Temperature	Options
TCP	SB4 - 4' LED Sky Bay	UNI - 120V-277V 347 - 347V 480 - 480V	20 - 20,000 Lumens 24 - 24,000 Lumens	41K - 4100K 50K - 5000K	(See Below)

### OPTIONS (Add to catalog number in order shown)

#### 1 Power Cords

- 6C - 6' PCord 300V 16/3 SJT00W NO PLUG
- 6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG
- 6W - 6' WHIP PCord 600V 16/3 NO PLUG
- 2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P
- 3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P
- 8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P
- 9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P
- 4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P
- 10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P
- 10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P
- 10C - 10' PCord 277V SJT00W NO PLUG
- 10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG
- 20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG
- 20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

#### 2 Occupancy Sensors

- TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
- TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.
- TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V.
- TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V.

#### 3 Wire Guard / Lens

- WG - Wire Guard
- PWL - Acrylic Lens

#### 4 Special Packaging

- SP - Single Packed

#### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit

#### AVAILABLE ACCESSORIES (ordered separately)

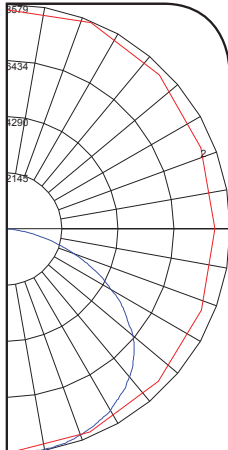
- FWGL - Wire Guard kit complete with Wire Guard and hardware (for use with lens)
- ELITELENS - Acrylic Lens



Photometric Report

**Luminous Intensity Distribution Diagram**

TCP SB 4 UNI 24 41K



Maximum Candela = 8579.16 Located At Horizontal Angle = 270, Vertical Angle = 20.5  
 # 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (20.5) (Through Max. Cd.)

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0-30	6876.7	N.A.	25.60
0-40	11525.64	N.A.	42.90
0-60	21186.89	N.A.	78.80
0-90	26829.11	N.A.	99.80
90-120	26.65	N.A.	0.10
90-130	34.96	N.A.	0.10
90-150	48.14	N.A.	0.20
90-180	55.71	N.A.	0.20
0-180	26884.83	N.A.	100.00

Total Luminaire Efficiency = N.A.%

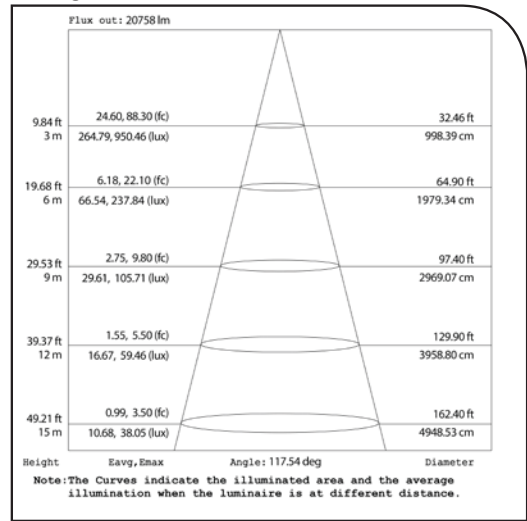
**Average Luminance**  
(Candelas / Square Meter)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15325	16495	17547
55	15095	16491	17373
65	14376	15743	15982
75	10229	13227	12701
85	191	1530	5260

**Coefficient of Utilization Table**

Effective Floor Cavity Reflectance = 20%

**AAI Figure**



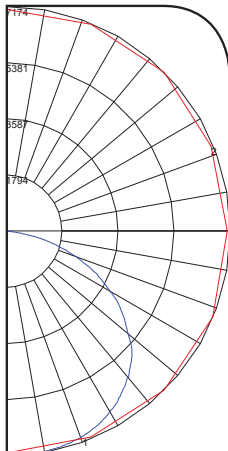
TCP 24,000L Sky Bay		
System	Input Watts	Energy Savings*
24,000L LED Sky Bay	250	-
8 Lamp T5HO	482	48%
400W Metal Halide	458	45%
12 Lamp T8 HBF	436	43%
10 Lamp T8 HBF	366	32%

\* Approximate lumen output. Actual wattage may differ by +/- 5%; when operating between 120-277V +/-10%

RC RW	70	80	50	30	10	70	70	50	30	10	50	30	10	50	30	10	50	10	30	10	0	0
0		119	119	119	119	116	116	116	116		111	111	111	106	106	106	102	102	102	100		
1		109	104	100	96	106	102	98	95		98	94	92	94	91	89	90	88	86	84		
2		99	91	84	78	96	89	82	77		85	80	75	82	77	73	79	75	72	70		
3		90	79	71	64	87	78	70	64		75	68	63	72	66	61	69	64	60	58		
4		82	70	61	54	80	69	60	54		66	59	53	64	57	52	61	56	51	49		
5		75	62	53	46	73	61	52	46		59	51	46	57	50	45	55	49	44	42		
6		69	56	47	40	67	55	46	40		53	45	40	51	44	39	50	44	39	37		
7		64	50	42	35	62	50	41	35		48	40	35	47	40	35	45	39	34	32		
8		60	46	37	31	58	45	37	31		44	36	31	43	36	31	41	35	31	29		
9		56	42	34	28	54	41	33	28		40	33	28	39	32	28	38	32	27	26		
10		52	39	31	25	51	38	30	25		37	30	25	36	30	25	35	29	25	23		

**Luminous Intensity Distribution Diagram**

TCP SB 4 UNI 20 41K



Maximum Candela = 7174.12 Located At Horizontal Angle = 315, Vertical Angle = 4  
 # 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (4) (Through Max. Cd.)

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0-30	5753.95	N.A.	25.50
0-40	9650.1	N.A.	42.80
0-60	17766.98	N.A.	78.90
0-90	22479.78	N.A.	99.80
90-120	21.07	N.A.	0.10
90-130	27.42	N.A.	0.10
90-150	38.52	N.A.	0.20
90-180	44.99	N.A.	0.20
0-180	22524.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

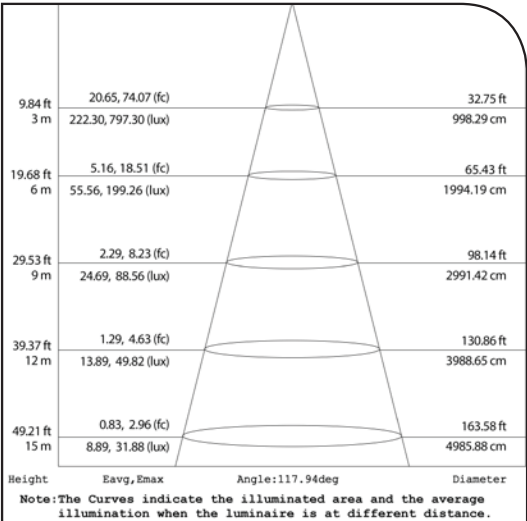
**Average Luminance**  
(Candelas / Square Meter)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9678	10055	11409
55	9553	10028	11206
65	9149	9714	10335
75	6210	6490	8182
85	129	375	3359

**Coefficient of Utilization Table**

Effective Floor Cavity Reflectance = 20%

**AAI Figure**



TCP 20,000L Sky Bay		
System	Input Watts	Energy Savings*
20,000L LED Sky Bay	210	-
8 Lamp T5HO	482	56%
400W Metal Halide	458	54%
12 Lamp T8 HBF	436	52%
10 Lamp T8 HBF	366	43%

\* Approximate lumen output. Actual wattage may differ by +/- 5%; when operating between 120-277V +/-10%

RC RW	70	80	50	30	10	70	70	50	30	10	50	30	10	50	30	10	50	10	30	10	0	0
0		119	119	119	119	116	116	116	116		111	111	111	106	106	106	102	102	102	100		
1		109	104	100	96	106	102	98	95		98	94	92	94	91	89	90	88	86	84		
2		99	91	84	78	96	89	82	77		85	80	75	82	77	73	79	75	72	70		
3		90	79	71	64	87	78	70	64		75	68	63	72	66	61	69	64	60	58		
4		82	70	61	54	80	69	60	54		66	59	53	64	57	52	61	56	51	49		
5		75	62	53	46	73	61	52	46		59	51	46	57	50	45	55	49	44	42		
6		69	56	47	40	67	55	46	40		53	45	40	51	44	39	50	44	39	37		
7		64	50	42	35	62	50	41	35		48	40	35	47	40	35	45	39	34	32		
8		60	46	37	31	58	45	37	31		44	36	31	43	36	31	41	35	31	29		
9		56	42	34	28	54	41	33	28		40	33	28	39	32	28	38	32	27	26		
10		52	39	31	25	51	38	30	25		37	30	25	36	30	25	35	29	25	23		