



## Cobra LED Street Light

Catalog Number **TPCOBRAI60H**

Notes

Type



### Cobra LED Street Light

**Installation**

Pole mounted.  
Before installation, please consult your local ordinances and building codes for compliance.

**Warranty**

Five years against defects in manufacturing.

**Listing**

Pending, driver is UL listed

### Application

TCP's Cobra LED Street Light is designed for applications that require a pole mounted fixture with a long life and a low maintenance requirement. This includes city streets, parking lots, and other similar applications.

### Description

This LED luminaire was designed for optimum performance and is a more efficient alternative to incandescent, metal halide and linear lamp luminaires. The Cobra LED Street Light is easy to install and has a long life, making it perfect for hard to reach areas.

### Construction

TCP's Cobra LED Street Light uses 60 High-Power LumiLED Rebel LEDs. It is constructed from die cast aluminum, which is powder coated in a durable white finish. It is 27.5" long, 11.8" wide, 9" tall, and weighs 19 pounds. It has an IP65 weather rating.

### Electrical

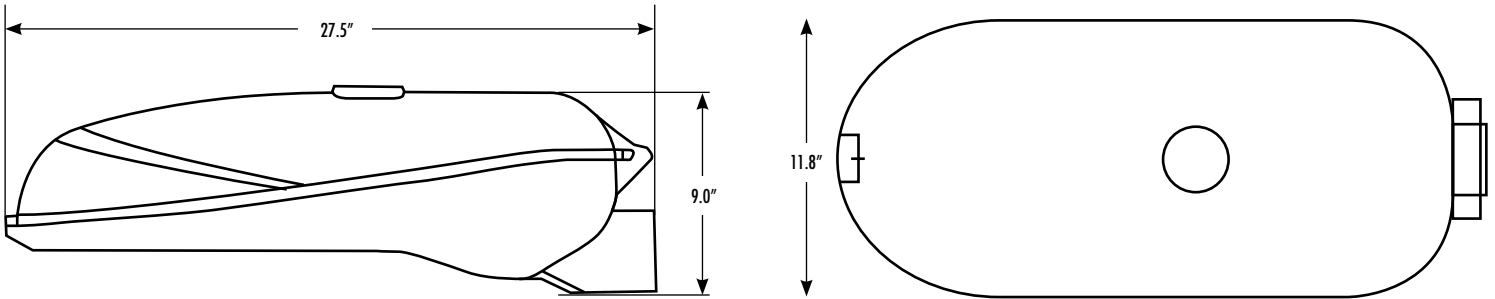
The driver is UL listed, has a power factor of 0.99, and an input voltage of 120-277 VAC (50/60 Hz). The Luminaire is rated at 100 watts, with a THD of less than 10%. Electrical protections include OVP, OCP, SCP, and OTP.

### Performance

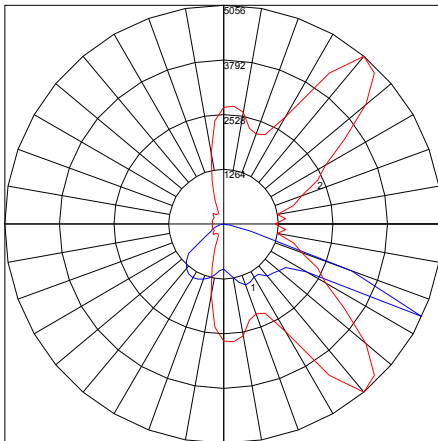
- LED Life: 50,000 hrs
- CCT: White 5500°K (Other color temperatures available upon request)
- CRI: 71
- Total Lumen Output: 6681 (LM-63-02 Test Procedure)
- Lumens Per Watt: 66.9
- Coverage: Type III
- Operating Temperature: -20°F ~ 140°F



## Dimensions & Construction



## Photometric Report



Maximum Candela = 5056.42 Located At Horizontal Angle = 50, Vertical Angle = 65  
 # 1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

### Candela Distribution

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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	82	80
2	95	86	78	71	92	84	76	70	80	74	68	76	71	67	73	69	65	63
3	85	73	63	56	82	71	62	55	68	60	54	65	59	53	62	57	52	50
4	77	63	53	45	74	61	52	45	59	50	44	56	49	43	54	48	43	40
5	70	55	45	37	67	54	44	37	51	43	36	49	42	36	47	41	35	33
6	64	49	39	31	62	48	38	31	46	37	31	44	36	30	42	35	30	28
7	59	43	34	27	57	43	33	27	41	33	26	39	32	26	38	31	26	24
8	54	39	30	23	52	38	30	23	37	29	23	36	28	23	34	28	23	21
9	50	36	27	21	49	35	26	21	34	26	20	33	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

### Zonal Lumen Summary

Zone	Lumens	% Fixt.
0-30	1099.55	16.50
0-40	1967.93	29.50
0-60	4302.27	64.40
0-90	6652.14	99.60
90-120	10.93	0.20
90-130	15.94	0.20
90-150	23.96	0.40
90-180	28.79	0.40
0-180	6680.92	100.00

Total Luminaire Efficiency = N.A.%

### Luminance Data in Candela/ Square Meter

Angle	0.0	45.0	90.0
45°	145372	145763	154418
55°	261529	190392	203766
65°	184183	758707	414831
75°	22158	136140	746268
85°	6318	21345	40470

### Photometric Report

Total Input Watts (120V)	99.8
Luminaire Efficacy Rating (LER)	67%
Spacing Criterion (0-180)	2.30
Spacing Criterion (90-270)	2.20

Photometric Data by  
Independent Testing Lab.  
ITL Boulder.