

FT-CRW-100W

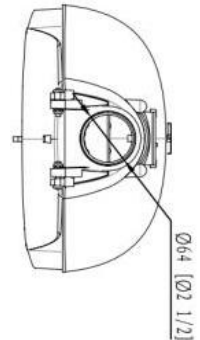
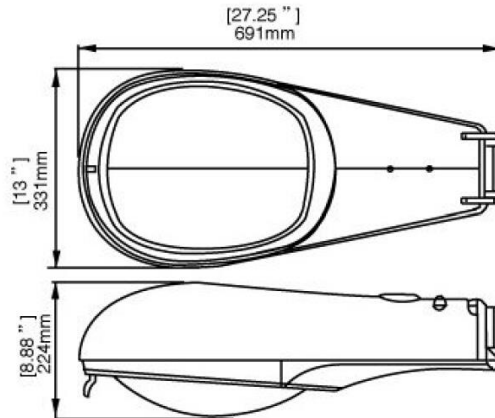
LED ROADWAY LIGHT - COBRA HEAD

IP54

Environment Temperature
-30°F ~ +130°F

Environment Humidity
≤95%

Lifespan
50,000hrs



100W LED Roadway Lighting - Cobra Head Products Specification

FEATURES

- Replace up to 250Watt High pressure sodium
- Universal 120-277V / 347V
- Mercury Free: no UV
- Heavy-duty cast aluminum housing; rust and corrosion proof; polyester powder coating
- High light transmittance tempered glass
- Standard pole mount
- Photo Receptacle including inside
- 4KV surge protector inside of power supply
- LM79/LM80 data available
- 5 Year Limited Warranty

CONSTRUCTION

- Heavy-duty cast aluminum housing; rust and corrosion proof; polyester powder coating
- Diffuser: High light transmittance tempered glass
- LEDs: Top grade LED, high-output, long-life; CREE, SEOUL, SAMSUNG and so on
- Heat Sink: Aluminium sink attached to the housing directly to reduce LED heats and add to life
- LED Driver: IP65/ Constant current meets UL1310 UL 48 Class 1
- Finish: Grey finish. Environmentally friendly polyester powder coatings.
- Mounting: Standard hole for the 2-3/8" pole mount

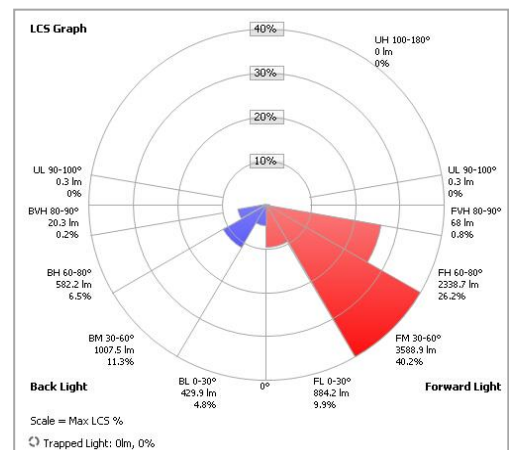
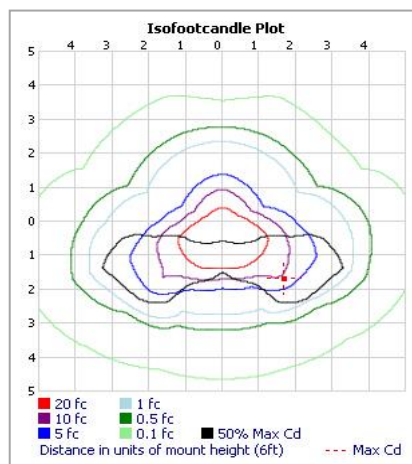
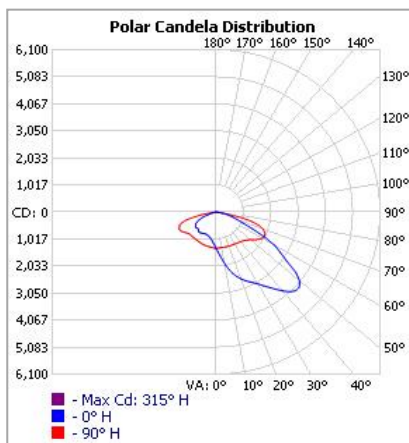
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LED ROADWAY LIGHT - COBRA HEAD

SPECIFICATION

Item No.	Specification	Data
General Performance	Input Wattage	100
	Initial Lumens	9682
	Efficiency	103.7
	Input Voltage	120-277V/50-60HZ
	CRI	69
	CCT	5000K
	Power Factor	≥0.87
	THD	≤25%
	Driver Type	Constant Current / Class 1
	Surge Protector	4KV inside of Driver
	Luminaire Life	50000HRS
Physical	Dimension	27.25"x13"x8.88"
	Weight	16lbs(7.3kgs)
Operation Condition	Operating Temperature	-30°F ~+130°F
	Humidity	≤95%
Certificate	Certification	LM80
	Enviroment	Suitable for Wet Location
	Material	Rohs compliant
Remark:The above data is for reference only, the actually proformance is subject to measured result.We reserve the right to explain the relative data and testing methohd.		

PHOTOMETRY



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1,314.3	14.7%	14.7%
0-40	2,435.2	27.3%	27.3%
0-60	5,910.9	66.3%	66.3%
60-90	3,009.1	33.7%	33.7%
70-100	1,034.2	11.6%	11.6%
90-120	0.3	0%	0%
0-90	8,920.0	100%	100%
90-180	0.3	0%	0%
0-180	8,920.3	100%	100%

ROADWAY SUMMARY			
CUTOFF CLASSIFICATION:		CUTOFF	
DISTRIBUTION:		TYPE III, SHORT	
MAX CD, 90 DEG VERT:		7.0	
MAX CD, 80 TO <90 DEG:		705.0	
		LUMENS	% LAMP
DOWNWARD STREET SIDE:		6,879.8	77.1%
DOWNWARD HOUSE SIDE:		2,039.9	22.9%
DOWNWARD TOTAL:		8,919.8	100%
UPWARD STREET SIDE:		0.3	0%
UPWARD HOUSE SIDE:		0	0%
UPWARD TOTAL:		0.3	0%
TOTAL LUMENS:		8,920.0	100%

LUMENS PER ZONE					
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	133.5	1.5%	90-100	0.3	0%
10-20	427.2	4.8%	100-110	0	0%
20-30	753.5	8.4%	110-120	0	0%
30-40	1,120.9	12.6%	120-130	0	0%
40-50	1,564.8	17.5%	130-140	0	0%
50-60	1,910.9	21.4%	140-150	0	0%
60-70	1,975.2	22.1%	150-160	0	0%
70-80	945.1	10.6%	160-170	0	0%
80-90	88.8	1.0%	170-180	0	0%

LCS TABLE			
BUG RATING		B2 - U1 - G2	
FORWARD LIGHT		LUMENS	LUMENS %
LOW(0-30):		884.2	9.9%
MEDIUM(30-60):		3,588.9	40.2%
HIGH(60-80):		2,338.7	26.2%
VERY HIGH(80-90):		68.0	0.8%
BACK LIGHT			
LOW(0-30):		429.9	4.8%
MEDIUM(30-60):		1,007.5	11.3%
HIGH(60-80):		582.2	6.5%
VERY HIGH(80-90):		20.3	0.2%
UPLIGHT			
LOW(90-100):		0.3	0%
HIGH(100-180):		0	0%
TRAPPED LIGHT:		0	0%

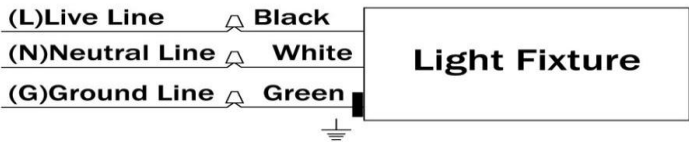
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LED ROADWAY LIGHT - COBRA HEAD

WIRING

Universal voltage driver permits operation at 100V to 277VAC, 50 or 60Hz except fixtures factory ordered with a 120V photocell (/PC).

1. Connect the black fixture lead to the (L) LINE supply lead.
2. Connect the white fixture lead to the (N) COMMON supply lead.
3. Connect the bare copper Ground wire from fixture to supply lead.



Wiring diagram