

Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

CREATION DATE : 22-FEB-16
BID NUMBER: 7550324
TITLE: LED HIGHWAY LIGHTING COMPONENTS - DOT

BID CLOSING DATE AND TIME:17-MAR-2016 10:30:00

BUYER: Hill, Lisa
PHONE #: 401-574-8118

**B
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DOT ACCOUNTS PAYABLE
TWO CAPITOL HILL, RM 230
SMITH ST
PROVIDENCE, RI 02903
US

**S
H
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P
T
O**
DOT MAINTENANCE BUSINESS OFFICE
360 LINCOLN AVE
WARWICK, RI 02888
US

Requisition Number: 1449342

Note to Bidders: QUESTIONS CONCERNING THIS SOLICITATION MUST BE ADDRESSED TO LISA HILL AT lisa.hill@purchasing.ri.gov NO LATER THAN MARCH 10, 2017 AT 4:00 P.M.

NO TELEPHONE QUESTIONS WILL BE ACCEPTED.

Line	Description	Quantity	Unit	Unit Price	Total
1	LEOTEK GREEN COBRA (GC1-60F-MV-NW-2-GY-700-PCR7-WL) - 30FT POLE REPLACEMENT	114.00	Each		
2	LEOTEK GREEN KING COBRA (GC2-120F-MV-NW-3-GY-700-PCR7-WL) - 40FT POLE REPLACEMENT	93.00	Each		
3	CIMCON WIRELESS LIGHTING CONTROLLER - WITH TILT SENSOR - INCLUDING 10 YEAR WARRANTY, SERVICE, CONFIGURATION, & COMMUNICATION COSTS (INCLUDING NAAS, SOFTWARE MAINTENANCE, LICENSE FEE, GPS)	356.00	Each		
4	CIMCON WIRELESS LIGHTING CONTROLLER - WITHOUT TILT SENSOR - INCLUDING 10 YEAR WARRANTY, SERVICE, CONFIGURATION, & COMMUNICATION COSTS (INCLUDING NAAS, SOFTWARE MAINTENANCE, LICENSE FEE, GPS)	73.00	Each		
5	HALOPHANE: MGLED 5 4K AS M L V G P7; MOONGOOSE LED (MGLED): MGLED, 5 MODULES, 4000K CCT, AUTO SENSING (120-227V), MEDIUM ROADWAY, LOW, 1 TO 18 DEGREES, VERTICAL ARM, VITRACOAT SUPER DURABLE GRAY, 7 PIN NEMA PHOTCONTROL RECEPTABLE	11.00	Each		

Delivery: _____

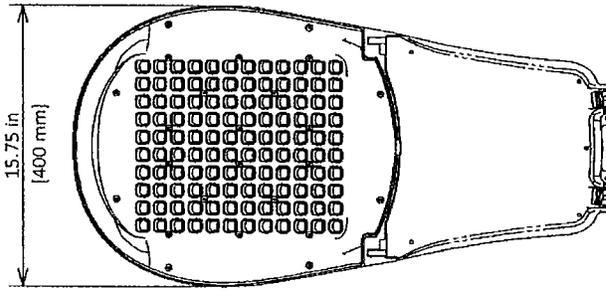
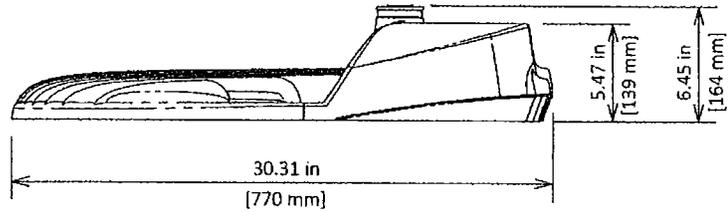
Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

GreenKingCobra™ LED Street Light GC2

Luminaire Data

Weight 25 lbs [11.3 kg]
EPA 1.0 ft²



Ordering Information

Sample Catalog No. GC2 80F MV NW 2 GY BSK RPB FDC350

Product	No. & Type of LEDs	Voltage ⁷	Color Temperature ¹	Distribution	Finish ²	Drive Current ³	Options
GC2	80F	MV 120-277V	NW 4000K	2 Type 2	GY Gray	350 350mA	BSK Bird Spider Kit
	90F	HV 347-480V		3 Type 3	DB Dark	530 530mA	SPB Square Pole Bracket
	100F				Bronze	700 700mA	RPB Round Pole Bracket
	120F				BK Black	1A ⁴ 1A	PTB Pole-Top Bracket
							HSS ⁵ House Side Shield
							FDC ⁶ Fixed Drive Current
							LPCR Less Photocell Receptacle
							PCR5 ANSI 5-wire Photocontrol Receptacle
							PCR7 ANSI 7-wire Photocontrol Receptacle
							SC PCR Shorting Cap
							WL Utility Wattage Label

Notes:

- 1 Nominal 4000K standard, consult factory for other color temperatures.
- 2 Gray, Black and Dark Bronze standard, consult factory for other finishes.
- 3 Factory set drive current, field adjustable standard. Refer to performance data on page 2.
- 4 1A drive currently only available with 80F.
- 5 Flush mounted house side shield factory installed. Shield cuts light off at 1/2 mounting height behind luminaire.
- 6 Non-field adjustable, fixed drive current.
- 7 MV is DLC qualified. HV is DLC qualified on request, consult factory.



GreenKingCobra™ LED Street Light GC2

Luminaire Specifications

Housing

Die cast aluminum housing with universal four-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. Meets 3G vibration per ANSI C136. Leveling adjustment from +10° to -5° and integral bubble level standard. Electrical components are accessed without tools and are mounted on removable power door. Power door features quick electrical disconnects to terminal block and LED board.

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 95% of initial intensity at 100,000 hours of life. LEDs are tested in accordance with IES LM-80 testing procedures. Mean correlated color temperature of 4000K (standard) and 70 minimum CRI. LEDs are 100% mercury and lead free.

Optical Systems

Micro-lens systems produce IES Type 2 or Type 3 distributions. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0).

Electrical

Power supply drive current is field adjustable (350mA, 530mA or 700mA for the 700mA power supply or 530mA, 700mA or 1A for the 1A power supply). Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Integral surge protector is tested per ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C High. Photocontrol receptacle is standard, ANSI C136.41 5-wire (PCR5) or 7-wire (PCR7) dimming receptacle optional. Standard and optional photocontrol receptacles have tool-less rotatable base. Photocontrol or control module is provided by others. Power Supply is 0-10V dimmable standard with PCR5 or PCR7 option.

Finish

Housing receives a fade and abrasion resistant, epoxy polyester powder coat.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. Optical systems maintain an IP66 rating. DesignLights Consortium™ qualified product. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C. Assembled in the U.S.A.

Photometry

Luminaires are photometrically tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year Limited Warranty is standard on luminaire and components.

Performance Data

All data nominal, consult factory for IES files or LM-79 reports.

No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Type 2	Type 3
					BUG Rating	BUG Rating
80F	700	180	17700	98	B3 U0 G3	B3 U0 G3
	1000	277	24500	88	B4 U0 G4	B4 U0 G4
90F	350	95	10800	114	B2 U0 G2	B3 U0 G3
	530	150	16050	107	B3 U0 G3	B3 U0 G3
	700	195	19800	102	B3 U0 G3	B3 U0 G3
100F	350	105	11700	111	B3 U0 G3	B3 U0 G3
	530	167	17400	104	B3 U0 G3	B3 U0 G3
	700	220	22000	100	B3 U0 G3	B3 U0 G3
120F	350	130	14600	112	B3 U0 G3	B3 U0 G3
	530	200	20800	104	B3 U0 G3	B3 U0 G3
	700	260	26400	102	B4 U0 G4	B4 U0 G4

Notes:

1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.

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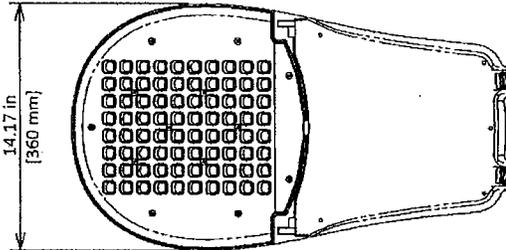
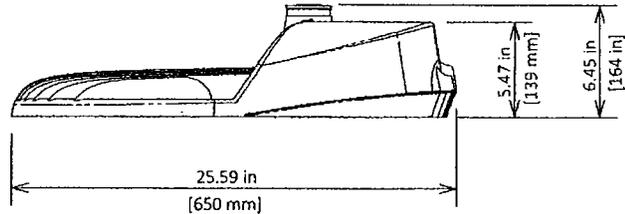
www.leotek.com

GC2_v062315 Specifications subject to change without notice

GreenCobra™ LED Street Light GC1

Luminaire Data

Weight 21 lbs [9.5 kg]
EPA 0.9 ft²



Ordering Information

Sample Catalog No. GC1 60F MV NW 2 GY 350 BSK RPB FDC

Product	No. & Type of LEDs	Voltage ⁷	Color Temperature ¹	Distribution	Finish ²	Drive Current ³	Options
GC1	20F	MV 120-277V	NW 4000K	2 Type 2	GY Gray	350 350mA	BSK Bird Spider Kit SPB Square Pole Bracket RPB Round Pole Bracket PTB Pole-Top Bracket HSS⁵ House Side Shield FDC⁶ Fixed Drive Current LPCR Less Photocontrol Receptacle PCR5 ANSI 5-wire Photocontrol Receptacle PCR7 ANSI 7-wire Photocontrol Receptacle SC PCR Shorting Cap WL Utility Wattage Label
	30F	HV 347-480V		3 Type 3	DB Dark Bronze	530 530mA	
	40F				BK Black	700 700mA	
	60F					1A ⁴ 1A	
	80F						

Notes:

- Nominal 4000K standard, consult factory for other color temperatures.
- Gray, Black and Dark Bronze standard, consult factory for other finishes.
- Factory set drive current, field adjustable standard. Refer to performance data on page 2.
- 1A drive current only available with 40F.
- Flush mounted house side shield factory installed. Shield cuts light off at 1/2 mounting height behind luminaire.
- Non-field adjustable, fixed drive current.
- MV is DLC qualified. HV is DLC qualified on request, consult factory.





GreenCobra™ LED Street Light GC1

Luminaire Specifications

Housing

Die cast aluminum housing with universal four-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. Meets 3G vibration per ANSI C136. Leveling adjustment from +10° to -5° and integral bubble level standard. Electrical components are accessed without tools and are mounted on removable power door. Power door features quick electrical disconnects to terminal block and LED board.

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 95% of initial intensity at 100,000 hours of life. LEDs are tested in accordance with IES LM-80 testing procedures. Mean correlated color temperature of 4000K (standard) and 70 minimum CRI. LEDs are 100% mercury and lead free.

Optical Systems

Micro-lens systems produce IESNA Type 2 or Type 3 distributions. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0).

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Electrical

Power supply drive current is field adjustable (350mA, 530mA or 700mA for the 700mA power supply or 530mA, 700mA or 1A for the 1A power supply). Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Integral surge protector is tested per ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C High. Photocontrol receptacle is standard, ANSI C136.41 5-wire (PCR5) or 7-wire (PCR7) dimming receptacle optional. Standard and optional photocontrol receptacles have tool-less rotatable base. Photocontrol or control module is provided by others. Power Supply is 0-10V dimmable standard with PCR5 or PCR7 option.

Finish

Housing receives a fade and abrasion resistant, epoxy polyester powder coat.

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Photometry

Luminaires are photometrically tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year Limited Warranty is standard on luminaire and components.

No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)	Type 2	Type 3
					BUG Rating	BUG Rating
20F	350	25	2700	108	B1 U0 G1	B1 U0 G1
	530	35	3650	104	B1 U0 G1	B1 U0 G1
	700	47	4800	102	B1 U0 G1	B1 U0 G1
30F	350	35	3800	109	B1 U0 G1	B1 U0 G1
	530	53	5400	102	B1 U0 G1	B2 U0 G1
	700	70	7000	100	B2 U0 G2	B2 U0 G2
40F	350	45	5050	112	B1 U0 G1	B2 U0 G1
	530	70	7200	103	B2 U0 G2	B2 U0 G2
	700	92	9300	101	B2 U0 G2	B2 U0 G2
	1000	132	12300	93	B3 U0 G3	B3 U0 G3
60F	350	70	7600	109	B2 U0 G2	B2 U0 G2
	530	101	10400	103	B2 U0 G2	B2 U0 G2
	700	133	13400	101	B3 U0 G3	B3 U0 G3
80F	350	85	9500	112	B2 U0 G2	B2 U0 G2
	530	133	14200	107	B3 U0 G3	B3 U0 G3
	700	180	17700	98	B3 U0 G3	B3 U0 G3

Notes:

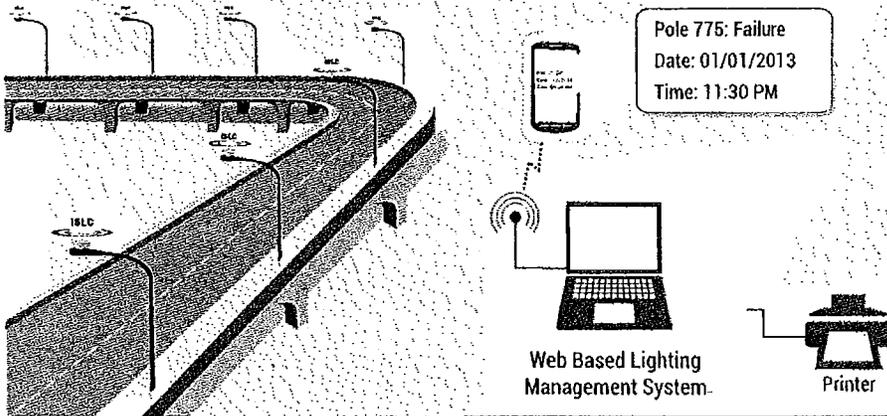
1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.

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GC1_v051915 Specifications subject to change without notice

Plug & Play Wireless Lighting Controller with Dimming Capabilities



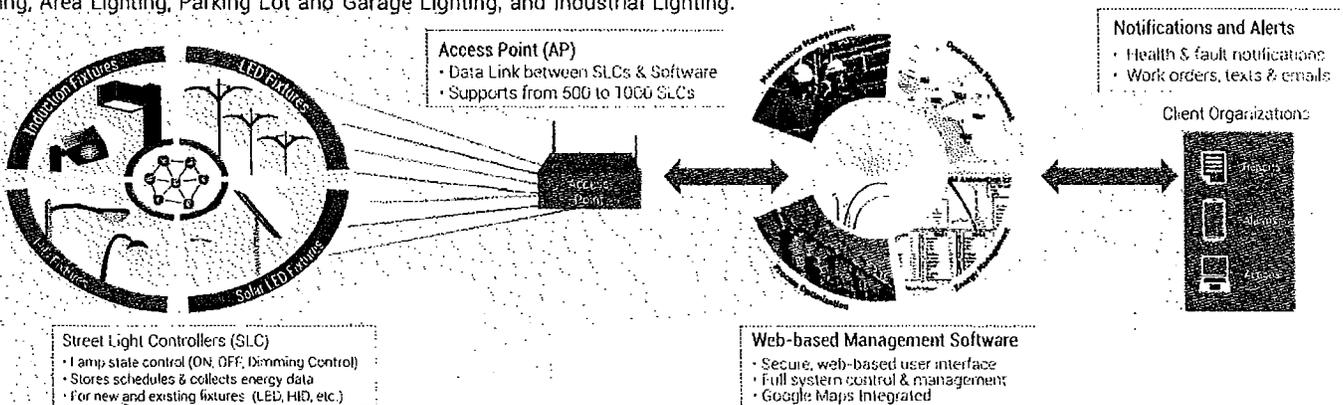
The iSLC-3100-7P-S is an intelligent wireless controller that uses a highly robust and reliable self-forming and self-healing RF mesh network, and is economical for use on individual light fixtures for remote control and operations. Each iSLC-3100-7P-S provides intelligent on/off switching, dimming control, accurate power metering and health monitoring of the light fixture. Support is also included for inputs from motion or light sensors for control of groups or individual light fixtures.

Key Features of the SLC-3100-7P-S

- **Robust and Reliable:** Reliably operates over large distances.
- **Wireless Technology:** The controller utilizes the latest developments in wireless RF technology that is self-forming and self-healing.
- **Light-Agnostic Support:** Works with any lamp type or manufacturer.
- **Simple and Easy Remote Monitoring:** The controller monitors various assets of the lighting fixture and updates the Central Management Software.
- **Remote Control and Scheduling:** The controller supports five lamp control modes. Control can be based on user configurable ON/OFF/DIM schedules programmed on a daily / monthly special events basis or can be controlled locally using a built-in astro-clock that calculates sunset and sunrise times using location and time zone data throughout the year.
- **Dimming Control:** The controller supports dimming of any lamp with a 0-10V or PWM or DALI input ballast with dimming schedules.
- **Power Metering:** The controller can monitor electrical parameters such as Current, Voltage, Frequency, Power Factor, KW and Kwh.
- **Fault Monitoring:** Extensive fault monitoring is provided that reports lamp burn outs, lamp cycling, ballast failure, over/under voltage, abnormal power consumption, low power factor, communication failure and more. All faults are sent to the Web-based Management Software that generates alarms for visualization and fault rectification.
- **Alarm Call Service:** Alarms can be sent directly to relevant users via Emails or Text Messages (SMS) when they occur. Messages are time stamped and contain key parameters associated with the fault/alarm.
- **Burn Hours:** The controller keeps track of lamp burn hours for predictive maintenance, allowing pro-active lamp replacement.
- **Plug and Play Installation:** iSLC 3100-7P-S uses the latest 7pin NEMA interface for a true plug and play installation that includes dimming and motion based controls.

Intelligent Wireless Outdoor Lighting Control System

CIMCON and Silver Spring Networks's integrated lighting control system is made up of Outdoor Lighting Controllers (SLC units), Access Points (APs) and Web-based Management Software. This control system is available for LED Fixtures, Traditional HID Fixtures, Induction Fixtures and Solar-based Light Fixtures, and can be utilized in a wide variety of outdoor applications, including but not limited to: Street Lights, Roadway Lighting, Area Lighting, Parking Lot and Garage Lighting, and Industrial Lighting.



iSLC-3100-7P-S

Plug & Play Wireless Lighting Controller

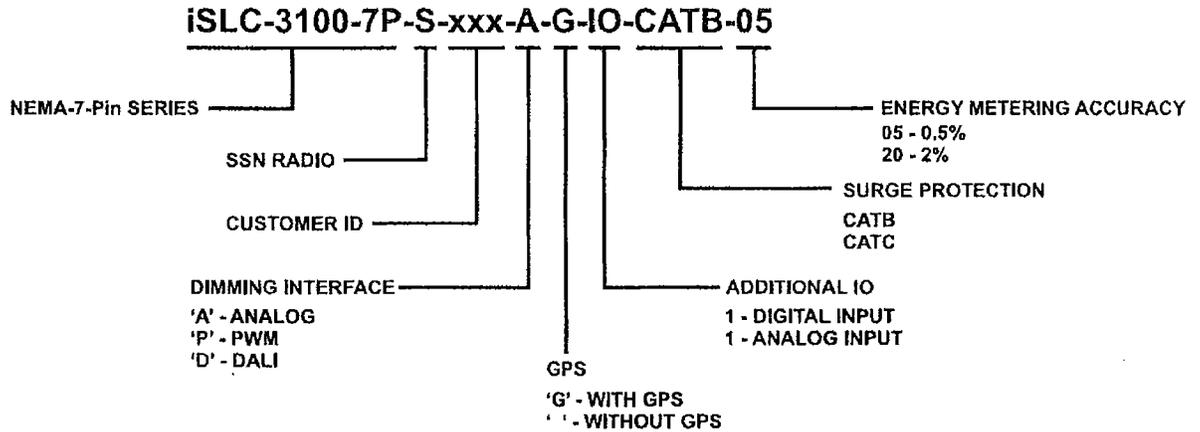
Technical Specifications

Controller	Powerful 16 bit Microcontroller
Real Time Clock	Battery Backed RTC
Power Metering	Parameters Measured: Voltage, Current, Power Factor, Frequency, KW and Kwh
Switching Capacity	15 Amp Max
Power Supply	Universal AC input 90V-305V, 50/60Hz
Radio Communication (Silver Spring Networks)	Processor: ARM 7, RAM: 8 MB, Flash: 16 MB NAN Network: Date Rate: 50 to 300 kbps Frequency Range: 902-928 MHz Spread Spectrum: Frequency Hopping Transmitter Output: 27-30 dBm (1W) Receiver Sensitivity: -98 dBm for 10% PER Protocol: IEEE 802.15.4g Security: Addressing: IPv6 Encryption: Advanced Encryption Standard (AES-128 or AES-256) Security: Secure Hash Algorithm 256-bit (SHA-256) and RSA-1024 or ECC-256 Key storage: Secure NVRAM with tamper detection and key erasure
GPS Module Specification (Optional)	Receiver Type: 22 Tracking/66 Acquisition Channel GPS Receiver GPS L1, C/A Code Max. Update rate: 10Hz Sensitivity: Tracking: -165 dBm Reacquisition: -160 dBm Cold starts: -147 dBm Time-To-First-Fix: Cold starts: 31s (typical) Warm starts: 30s Hot starts: <1s EPO Assist: 13s(CTTFF) Accuracy: Automatic Positioning: 2.5m CEP Speed: 0.1m/s Operating Temperature: -40° C to +85° C
Dimming Interface	Control Voltage: 0-10V Maximum Current: 10mA With Short Circuit protection or PWM Dimming: 10V p-p, 400Hz Maximum Current: 10mA (Sink) or DALI
Optional Features	Provision of One Digital input and one Analog input that can be used for motion based lighting controls, adaptive lighting or advanced lighting controls
Standard Surge Protections	320 Joule CAT B or (700 Joule CAT C Optional)
Operating Conditions	-20° C to +70° C / -4° F to +158° F (-40° C optional), 20% to 90% Rh non-condensing
MTBF	210 Khrs MIL-HDBK-217F (25° C)
RoHS	Yes
Central Management Software	Web-based software allows remote configuration, monitoring, control, and reporting

iSLC-3100-7P-S

Plug & Play Wireless Lighting Controller

Ordering Information

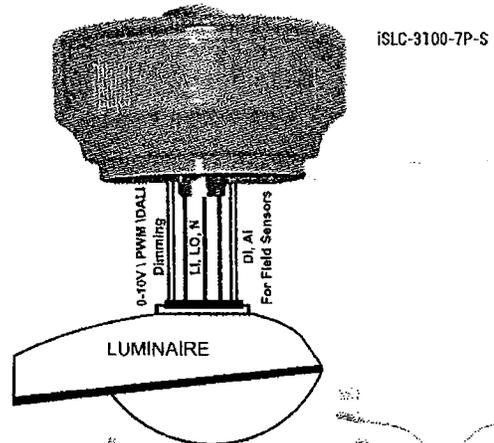
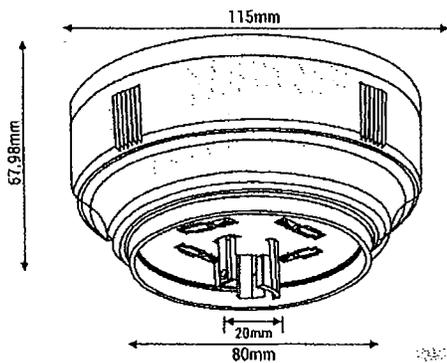


Ordering Code

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iSLC3100-7P-S-xxx [*] -A-IO-CATB-xx [*]	iSLC3100-7P-S-xxx [*] -P-IO-CATB-xx [*]	iSLC3100-7P-S-xxx [*] -D-IO-CATB-xx [*]
iSLC3100-7P-S-xxx [*] -A-G-CATB-xx [*]	iSLC3100-7P-S-xxx [*] -P-G-CATB-xx [*]	iSLC3100-7P-S-xxx [*] -D-G-CATB-xx [*]
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iSLC3100-7P-S-xxx [*] -A-G-IO-CATC-xx [*]	iSLC3100-7P-S-xxx [*] -P-G-IO-CATC-xx [*]	iSLC3100-7P-S-xxx [*] -D-G-IO-CATC-xx [*]

Note: * xx indicates Energy Metering accuracy
 # indicates Customer ID

Mechanical Dimensions



Worldwide Headquarters

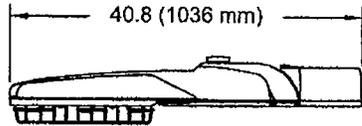
CIMCON Lighting, Inc.
 234 Linden Road, Westford
 MA 01886, USA
 Tel: (978) 692-9856
 Fax: (978) 392-9859
 E-mail: sales@cimconlighting.com

European Office

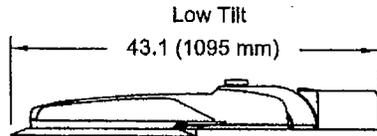
CIMCON Lighting Limited
 10 Bank Street, 30th Floor
 Canary Wharf, London E14 5NR, UK
 Tel: (+44) 20 3102 7955
 E-mail: sales.eu@cimconlighting.com

Asia Pacific Office

CIMCON Software (I) Pvt. Ltd.
 607, SAKAR IV, Elmhurst
 Ahmedabad-380 016, India
 Tel: +91-79-2657-8639
 Fax: +91-79-2657-8659
 E-mail: sales.apac@cimconlighting.com



40.8 (1036 mm)

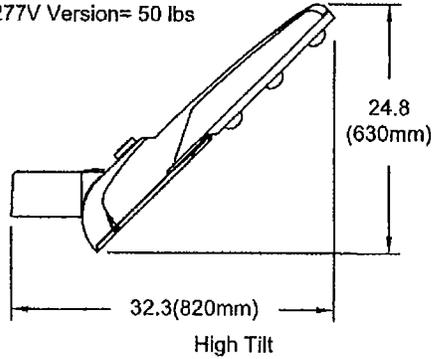


Low Tilt

43.1 (1095 mm)

Uplight Skirt

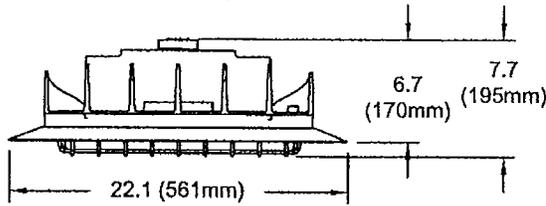
Weight of 347V-480V Version= 60 lbs
120V-277V Version= 50 lbs
EPA = 2.05



24.8
(630mm)

32.3(820mm)

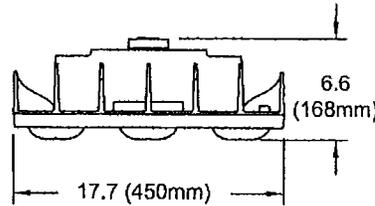
High Tilt



6.7
(170mm)

7.7
(195mm)

22.1 (561mm)



6.6
(168mm)

17.7 (450mm)

MGLED

Series Code	Number of LED'S 4= 4 COB 5= 5 COB 6= 6 COB 7= 7 COB 8= 8 COB 9= 9 COB	Color Temperature 4K= 4000 Kelvin 5K= 5000 Kelvin	Voltage AS= 120V-277V AH= 347V-480V
Optics N = Narrow Roadway M = Medium Roadway W = Wide Roadway F = Forward Throw (Type 4) A = Area (Type 5)	Tilt Range H = High (27° - 45°) L = Low (0° - 18°)	Mounting V = Vertical Tenon H = Horizontal Arm A = Architectural	Color G = Gray H = Graphite K = Black N = Green W = White Z = Bronze

ORDERING INFORMATION:

- Standard Options**
- NL = NEMA Label
 - P3 = 3 PIN NEMA Photocontrol Receptacle
 - P5 = 5 PIN NEMA Photocontrol Receptacle
 - P7 = 7 PIN NEMA Photocontrol Receptacle
 - DM = 0V - 10V dimmable driver
 - DE = ROAM Concierge/Enterprise
 - VE = ROAMview
 - PCSS = DSS 120-277V Photocontrol
 - PCL1 = DLL 120V Photocontrol
 - PCL3 = DLL 347V Photocontrol
 - PCL4 = DLL 480V Photocontrol
 - PSC = Shorting Cap
 - SP= Individual unit/Sample pack
 - US = Uplight Skirt (DLC Approved)

- Special Options ***
- ML=Multi-Level Dimming
 - CLO = Constant Lumen Output
- *Additional information is required from the customer. Please contact Infrastructure TSG for assistance.

- Accessories**
- MGLEDWG = WIRE GUARD KIT

MONGOOSE LED™
LED Roadway Lighting

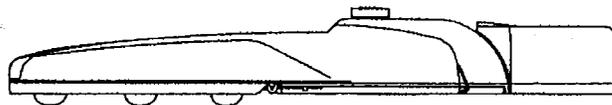
**Infrastructure
Outdoor**



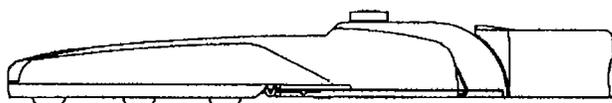
THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE SUPPLIED. ALL DIMENSIONS SHALL BE SUPPLIED BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	BGW
DATE:	11/19/14
DWG #:	MONGOOSE LED

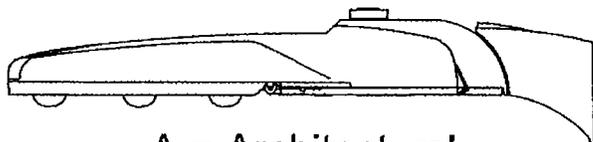
Mounting



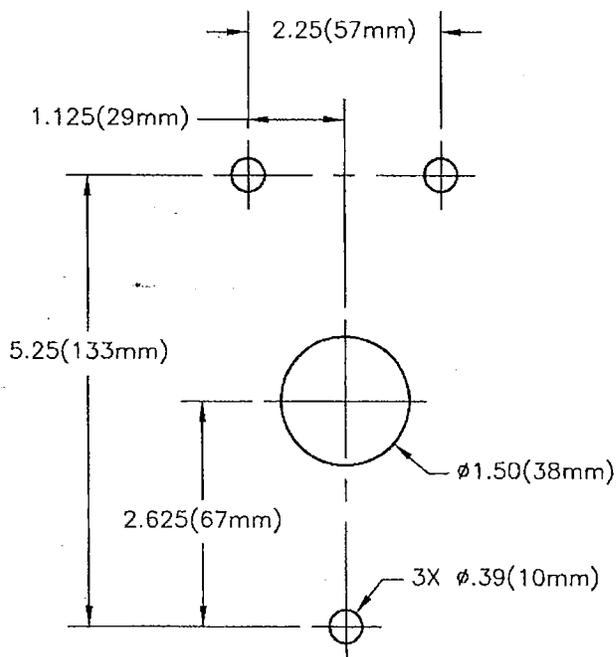
V = Vertical Tenon
Attaches to 2" Vertical Tenon



H = Horizontal Arm
Attaches to 2" Horizontal Arm



A = Architectural
Attaches to Square Pole or Tenon
Adaptor (See Pole Pattern Below)



MONGOOSE LED™
LED Roadway Lighting

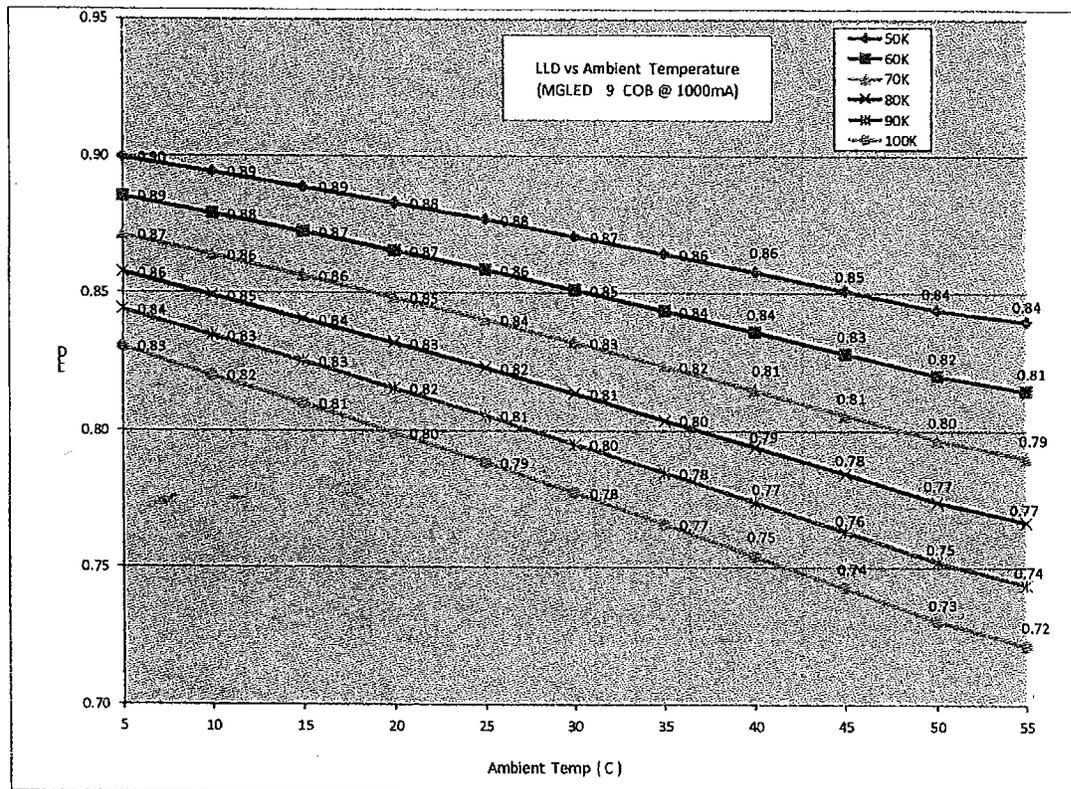
Infrastructure
Outdoor



THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE AND EXHAUSTIVE SET OF REQUIREMENTS FOR THE SUPPLY OF THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDER AN APPROVED POLE TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS WRITING. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF HOLOPHANE. ANY WAY DETERMINED TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	BGW
DATE:	10/23/13
DWG #:	MONGOOSE LED

LED Count Distribution		Lumens	LPW	Input Watts
9 Chip	Narrow	36,507	99	367
	Medium	36,095	98	
	Wide	35,869	98	
	Forward Throw	34,420	94	
	Area	38,181	104	
8 Chip	Narrow	32,577	99	328
	Medium	32,188	98	
	Wide	32,093	98	
	Forward Throw	30,741	94	
	Area	34,068	104	
7 Chip	Narrow	28,756	99	290
	Medium	28,423	98	
	Wide	28,278	98	
	Forward Throw	27,102	93	
	Area	30,046	104	
6 Chip	Narrow	24,540	100	245
	Medium	24,299	99	
	Wide	24,140	99	
	Forward Throw	23,130	94	
	Area	25,609	105	
5 Chip	Narrow	20,631	100	206
	Medium	20,381	99	
	Wide	20,316	99	
	Forward Throw	19,413	94	
	Area	21,514	104	
4 Chip	Narrow	16,638	99	168
	Medium	16,446	98	
	Wide	16,378	97	
	Forward Throw	15,620	93	
	Area	17,357	103	



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ORDER #: _____
 TYPE: _____
 DRAWN: BGW
 DATE: 10/23/13
 DWG #: MONGOOSE LED

Specifications

Optical

Performance is comparable to 150 - 400 watt HID
 IP66 rated borosilicate glass optics ensure longevity and minimize dirt depreciation
 4,000K CCT, 70 CRI Min. or optional 5,000K CCT, 70 CRI Min.
 Available with Narrow roadway, Medium Roadway, Wide Roadway, Forward Throw, and Area Type lighting distributions

Electrical

Electronic driver has an expected life of 100,000 hours at 25°C
 LED light engines are rated > 100,000 at 25°C, L70
 Robust ANSI/IEEE C62.4 Category C (10kV/5kA) fixture protection is provided by a specially designed Acuity surge protection device

Mechanical

Rugged low copper diecast aluminum coupled with a rigorous 5-stage pretreatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray.
 Removable "power door" facilitates product installation and maintenance
 Corrosion resistant stainless steel latches ensure secure closure over the long fixture life
 Multiple mounting configurations allow for attachment to horizontal mast arms, pole top tenons, and direct mounting to square poles. All Mountings are 3G vibration rated per ANSI C136
 Adjustable fixture tilt from 0 - 45 degrees provides flexibility to optimize lighting performance

Controls

Premium solid state locking-style photocontrol - PCSS (10 year rated life)
 Extreme long life solid state locking-style photocontrol - PCLL (20 year rated life)
 Multi-level dimming
 DE and VE options allow the fixture to be dimmed using the ROAM control system

Warranty & Standards

5 Year limited warranty. Full warranty terms located at
http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
 Rated for -40C to 40C ambient
 CSA Certified to US and Canadian standards

MONGOOSE LED™
LED Roadway Lighting

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THE DRAWING, WHEN APPLICABLE, SHALL REFLECT THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ALL DIMENSIONS SHALL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS WRITTEN NOTICE. NO PART OF THIS PRINT IS TO BE REPRODUCED IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	BGW
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DWG #:	MONGOOSE LED

Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

**MAILING ADDRESS FOR BID PROPOSALS ISSUED BY THE STATE OF RHODE ISLAND,
DIVISION OF PURCHASES**

All Bid Proposals must be submitted by mail or hand delivered to:

- State of Rhode Island
- Department of Administration
- Division of Purchases, Second floor
- One Capitol Hill
- Providence, RI 02908-5855

DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:

No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.