GUAM POWER AUTHORITY



ATURIDÅT ILEKTRESEDÅT GUÅHAN P.O.BOX 2977 • HAGÅTÑA, GUAM U.S.A. 96932-2977

May 04, 2022

AMENDMENT NO.: II

TO

INVITATION FOR BID NO.: GPA-028-22

FOR

MISCELLANEOUS STREETLIGHT HEADS

Prospective Bidders are hereby notified of the following response and inclusion to an inquiry received from Bidder No.: 2 dated May 03, 2022:

CHANGE:

REMOVE Page 3a of 23 and **REPLACE** with 3b of 23 (see attached).

Bid Opening Date is changed *FROM* 10:00 A.M., Thursday, May 05, 2022 (CHamoru Standard Time) *TO NOW READ* 9:00 A.M., Thursday, May 12, 2022 (CHamoru Standard Time).

INCLUSION:

1. Specification Sheet for Copper Lighting, Approved Equal to or Better. (see attached).

Bidder No.: 2 dated 05/02/2022:

QUESTION:

1. Our manufacturers are requesting a spec sheet, so they can quote. In line with this, we would like to request 1-week extension on the bid date.

ANSWER:

Kindly refer to **CHANGE** and **INCLUSION** above.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.

for JOHN M. BENAVENTE, P.E. General Manager

Page 3b of 23 Amendment No.: II

INVITATION FOR BID

ISSUING OFFICE:

Guam Power Authority 1st. Floor, Room 101 Procurement Management Materials Supply Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, Guam 96913

JOHN M. BENAVENTE General Manager	5/5/2022 5, P.E. DATE		
DATE ISSUED:	04/21/2022 04/28/2022	BID INVITATION NO.:	GPA-028-22
BID FOR:	Miscellaneous Streetligh	- -	
SPECIFICATION:	See Attached		
DESTINATION:	GPA Dededo Warehous	se	
*REQUIRED DELIVERY	DATE: <u>18 Weeks After</u>	Receipt of Order (ARO)	
INSTRUCTIONS TO BI INDICATE WHETHER:		PARTNERSHIP	CORPORATION
INCORPORATED IN:		_	
Date: *05/12/2022 shall be rejected. See attack The undersigned offers and	and shall be publined General Terms and Condi	ssuing office above no later than (Time) cly opened. Bid submitted after the time tions and Sealed Bid Solicitation for detaine specified, the articles and services at the specified of the services at the services at the services are services.	and date specified ab ils. he price stated oppos
expense of the Government undersigned agrees that this	in opening, tabulating, and ev bid remain firm and irrevocab of the items which prices are o	SIGNATURE AND TITLE OF PERS	nsiderations, the dar days from the dat
		AUTHORIZED TO SIGN THIS BID:	
AWARD: CONTRACT N	O.: AMOU	JNT: DATE: _	
ITEM NO(S). AWARDED:			
		CONTRACTING OFFICE	ER:
		JOHN M. BENAVENTE, General Manager	P.E. DATE
NAME AND ADDRESS	OF CONTRACTOR:	SIGNATURE AND TITLE	OF PERSON

SPECIFICATION SHEET

DESCRIPTION

The RL LED area luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Patented modular LightBAR™ technology delivers uniform and energy-conscious illumination to walkways, perking lots, and roadways. UL/cUL listed for wet locations.

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Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

Heavy-duty cast aluminum housing and removable door 3G vibration rated to ensure strength of construction and longevity in application.

Die-cast aluminum door frame features integral hinges for toolless maintenance access.

Optics

Choice of thirteen (13) patented, high efficiency AccuLED Optics manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and nominal 70 CRI.

Electrical

LED drivers hard mount to diecast aluminum back casting for optimal heat sinking and operation efficiency, 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Shipped standard with the Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. Thermal management incorporates both conduction and natural convection to transfer heat rapidly away from the LED source and retain optimal efficiency and light output. RL LED luminaire is suitable for temperature operation from -30°C to 40°C (-22°F to 104°F). Standard three-position tunnel type compression terminal block, 50,000 hours of life with > 70% lumen maintenance. LightBARs feature IP66 enclosure rating.

Mounting

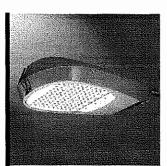
Two-bolt/one-bracket slipfitter with cast-in pipe stop and leveling steps. Fixed-in-place birdguard seals around 1-1/4" or 2" mounting arms.

Finish

Components finished in a standard grey, 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Consult your Cooper Lighting representative for a complete selection of standard colors including black and bronze. RAL and custom color matches available.

Warranty

RL LED features a five-year limited warranty.



RL LED ROADWAY LARGE COBRAHEAD

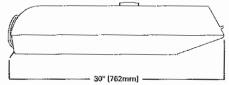
1 - 6 LightBARs LED

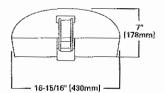
ROADWAY LUMINAIRE

DESIGNIGHTS

TYPES2 2 EACH # LDRL T3S BOG E BZ WITH
SMESS CRETE 20' ROWD TAPERED CONCLETE
POLE WITH ARMS

DIMENSIONS





CERTIFICATION DATA

UL/cUL Listed LM79 / LM80 Compliant ISO 9001 IP66 LightBARs 3G Vibration Rated ARRA Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

40°C Ambient Temperature Rating 50°C [Optional] Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.) .87

SHIPPING DATA Approximate Net Weight: 35 lbs.



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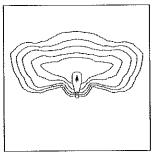


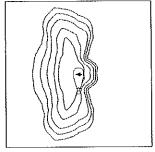
						D	ISTRIBUTI	ON							
Number of LightBARs	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	Т2	Т3	T3S	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RWQ	SLR/SLL
	1					71	ED LIGHT	BAR							
C01	27	0.23	0.13	1,819	1,798	1,757	1,811	1,805	1,746	1,734	1,923	1,930	1,868	1,834	1,660
C02	54	0.46	0.21	3,509	3,469	3,391	3,495	3,484	3,368	3,347	3,711	3,724	3,605	3,540	3,203
C03	77	0.65	0.29	5,291	5,230	5,112	5,269	5,252	5,078	5,046	5,594	5,614	5,436	5,337	4,829
C04	101	0.86	0.37	6,983	6,902	6,747	6,954	6,932	6,703	6,660	7,383	7,410	7,174	7,043	6,373
C05	131	1.11	0.50	8,362	8,265	8,079	8,327	8,300	8,026	7,975	8,841	8,872	8,590	8,434	7,631
C06	154	1.3	0.58	10,119	10,002	9,777	10,077	10,045	9,712	9,651	10,699	10,737	10,396	10,206	9,235
		I_mav-				21	LED LIGHT	BAR							
B01	27	0.23	0.13	2,237	2,211	2,161	2,228	2,220	2,147	2,133	2,365	2,374	2,298	2,256	2,041
B02	51	0.43	0.20	4,317	4,267	4,171	4,299	4,285	4,143	4,117	4,564	4,580	4,435	4,354	3,940
803	73	0.62	0.28	6,508	6,433	6,288	6,481	6,460	6,246	6,207	6,881	6,906	6,686	6,564	5,939
B04	95	0.81	0.35	8,589	8,490	8,299	8,554	8,526	8,244	8,192	9,081	9,114	8,824	8,663	7,839
B05	124	1.05	0.48	10,285	10,166	9,938	10,242	10,209	9,871	9,809	10,874	10,913	10,566	10,373	9,386
B06	146	1.24	0.56	12,446	12,302	12,026	12,395	12,355	11,946	11,871	13,159	13,207	12,786	12,554	11,359

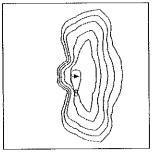
LUMEN MULTIPLIER

Amblent Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1,00
40°C	0.96
50°C	0.92

OPTIC ORIENTATION



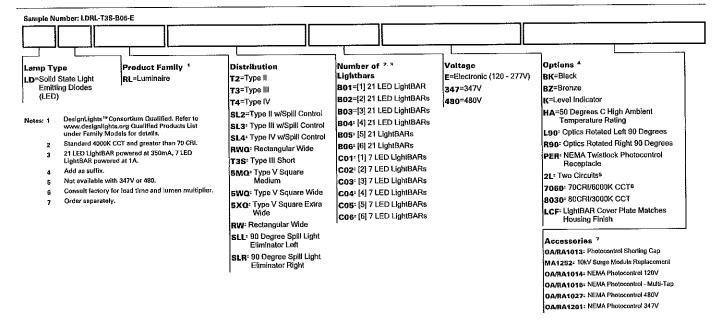




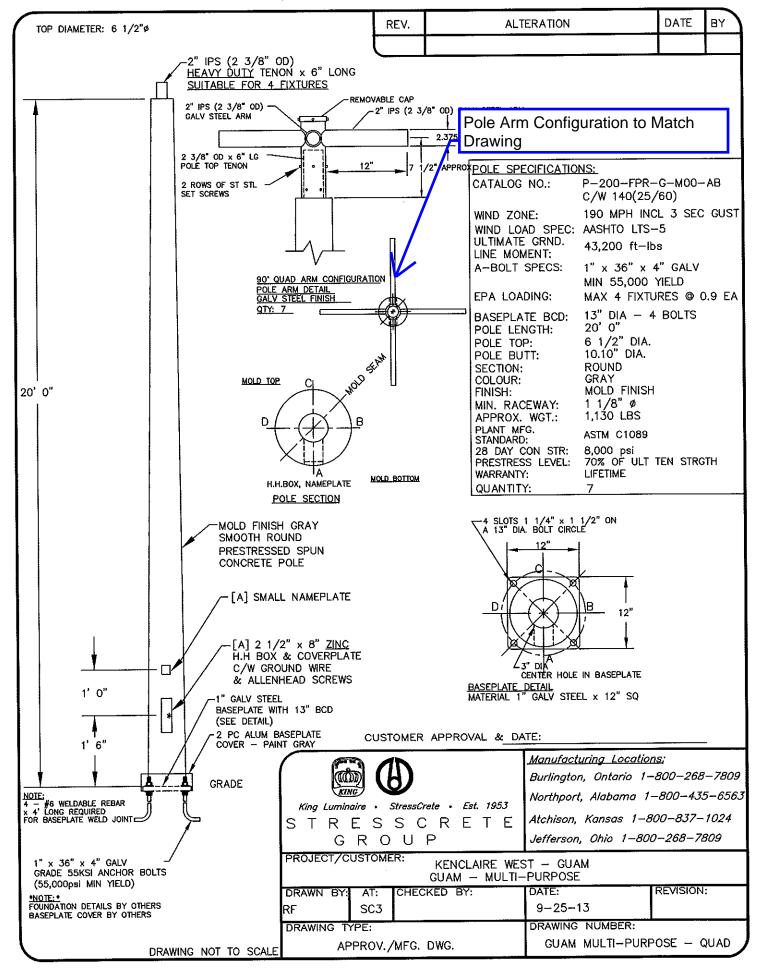
Standard Optics Rotated Left @ 90° [L90]

Optics Rotated Right @ 90° [R90]

ORDERING INFORMATION







DESCRIPTION

The RL LED area luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Patented modular LightBAR™ technology delivers uniform and energy-conscious illumination to walkways, parking lots, and roadways. UL/cUL listed for wet locations.

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Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

Heavy-duty cast aluminum housing and removable door 3G vibration rated to ensure strength of construction and longevity in application.

Die-cast aluminum door frame features integral hinges for toolless maintenance access.

Optics

Choice of thirteen (13) patented, high efficiency AccuLED Optics™ manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and nominal 70 CRI

Electrical

LED drivers hard mount to diecast aluminum back casting for optimal heat sinking and operation efficiency. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Shipped standard with the Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. Thermal management incorporates both conduction and natural convection to transfer heat rapidly away from the LED source and retain optimal efficiency and light output. RL LED luminaire is suitable for temperature operation from -30°C to 40°C (-22°F to 104°F). Standard three-position tunnel type compression terminal block. 50,000 hours of life with > 70% lumen maintenance. LightBARs feature IP66 enclosure rating.

Mounting

Two-bolt/one-bracket slipfitter with cast-in pipe stop and leveling steps. Fixed-in-place birdguard seals around 1-1/4" or 2" mounting arms.

Finish

Components finished in a standard grey, 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Consult your Cooper Lighting representative for a complete selection of standard colors including black and bronze. RAL and custom color matches available.

Warranty

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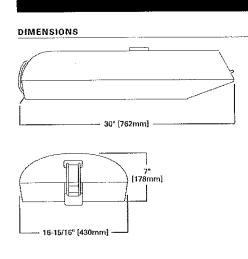
RL LED ROADWAY LARGE COBRAHEAD

1 - 6 LightBARs LED

ROADWAY LUMINAIRE



TYPE S3 YEACH # LDRL T3S BOG E - BZ WITH STRESSCRETE ROUND TROOPED CONCRETE POLE WITH ARMS



CERTIFICATION DATA

UL/cUL Listed LM79 / LM80 Compliant ISO 9001 IP66 LightBARs 3G Vibration Rated ARRA Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-30°C Minimum Temperature
60°C (Optional) Ambient Temperature
50°C (Optional) Ambient Temperature

EPA Effective Projected Area: (Sq. Ft.)

SHIPPING DATA Approximate Net Weight: 35 lbs.



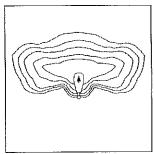
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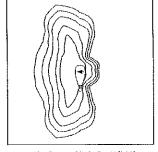
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J4111						21	LED LIGHT	BAR							
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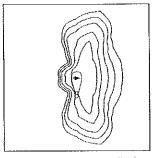
LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96
50°C	0.92

OPTIC ORIENTATION







Standard

Optics Rotated Left @ 90° [L90]

Optics Rotated Right @ 90° [R90]

ORDERING INFORMATION

