

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-354
Item to be Scouted	Interior LED Lighting (Track Cylinder Pendant and Track Lighting) and LED Exit Signs
Days to be scouted	30
Response Due By	12/13/2024
Description	United States manufacturers of BABAA compliant Interior LED Lighting (Track Cylinder Pendant and Track Lighting) and LED Exit Signs for use in an addition and remodel of an existing single story Critical Access Hospital located in Iowa
Notify Requester Immediately	No
State item to be used in	Iowa

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Domestic components in each of the BABAA compliant manufactured products must exceed 55% of the total component cost and be assembled in the United States.
Provide dimensions / size / tolerances / performance specifications for the item	See attached construction project technical specification and project lighting schedule.
List required materials needed to make the product, including materials of product components	See attached construction project technical specification and project lighting schedule.
Are there applicable certification requirements?	Yes
Details	Build America, Buy America Act (BABAA) compliant. Must be able to submit BABAA manufactured product self-certification manufactured product letter for each product that details a compliant product.
Are there applicable regulations?	Yes
Details	See attached construction project technical specification.
Are there any other standards, requirements, etc.?	No
NAICS 1	
NAICS 2	
Additional Technical Comments	See attached construction project technical specification and attached project lighting schedule. Manufacturers shall specialize and have experience in the manufacturing of the designated components.

Section 4: Business Information

Estimated potential business volume	Qty. 1 - Type EC Exit Light Qty. 8 - Type TA Track Pedant Qty. 6 - Type TT-8' Track with Parts & Pieces
-------------------------------------	---

Estimated target price / unit cost information (if unavailable explain)	Best available, as this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	2025
Describe packaging requirements	tbd. Delivered undamaged.
Where will this item be shipped?	Iowa

Additional Comments

Is there other information you would like to include?	<p>Nationwide Search</p> <p>Provide written documentation in response to the Supplier Scouting request of being a current Build America Buy America Act compliant electrical equipment manufacturer with experience manufacturing the system components meeting the product performance requirements.</p> <p>Information on BABAA compliance requirements can be found at Made in America Office link https://www.madeinamerica.gov/.</p> <p>Agency – USDA Submitted by Chickasaw Business Solutions POC – Phil Plyler PPlyler@ArkansasEDC.com</p>
---	--

SECTION 265100

INTERIOR LIGHTING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. LED Drivers
- B. Light Emitting Diodes (LEDs)

1.02 REFERENCES

- A. ANSI C78.379 - American National Standard for Electric Lamps -- Reflector Lamps -- Classification of Beam Patterns; 2006
- B. NECA/IESNA 500 - Recommended Practice for Installing Indoor Commercial Lighting Systems; National Electrical Contractors Association
- C. NECA/IESNA 502 - Recommended Practice for Installing Industrial Lighting Systems; National Electrical Contractors Association
- D. NEMA WD 6 - Wiring Devices - Dimensional Requirements; National Electrical Manufacturers Association
- E. NFPA 70 - National Electrical Code; National Fire Protection Association
- F. NFPA 101 - Life Safety Code
- G. IESNA LM-79-08 - Approved Method for the Electrical and Photometric Measurement of Solid-State Lighting Products
- H. IESNA LM-80-08 - Approved Method for Measuring Lumen Maintenance of LED Light Sources.
- I. IESNA TM-21-11 - Projecting Long Term Lumen Maintenance of LED Light Sources
- J. EU Directive 2002/95/EC - Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS), as amended by directive 2005/618/EC

1.03 SUBMITTALS

- A. Provide cut sheet indicating dimensions and components for each luminaire.
- B. Submit manufacturer's installation instructions. Indicate application conditions and limitations of use stipulated by product testing agency specified under Regulatory

Requirements. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

C. Submit manufacturer's operation and maintenance instructions for each product.

D. All lighting submittals must be on Local Authorized Manufacturer Representative's letterhead and contain Project Name and Location.

E. Closeout: Provide list of Extra Materials for owner to verify and sign for acknowledgement of receiving.

1.04 QUALITY ASSURANCE

A. Conform to requirements of NFPA 70 and NFPA 101.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

C. Products: Listed and classified by Underwriters Laboratories, Inc. as suitable for the purpose specified and indicated.

1.05 REGULATORY REQUIREMENTS

A. Conform to requirements of NFPA 70 and 101

B. Products: Listed and classified by Underwriters Laboratories, Inc. as suitable for the purpose specified and indicated.

C. Products with Light Emitting Diodes:

1. Fixtures shall comply with LM-79-08: Electrical and Photometric Measurements of Solid-State Lighting Products.

2. Interior fixture diode arrays shall maintain +/-100 degrees Kelvin (K); exterior fixture diode arrays shall maintain +/- 500 K color temperature range through the life of the fixture.

3. Diode arrays shall be wired so that if one diode fails, at least 90% of the remaining diodes will operate.

PART 2 PRODUCTS

2.01 LED DRIVERS:

A. Manufacturers must be in business a minimum of (5) years.

- B. Drivers shall be provided with light emitting diodes as a modular replaceable system. The system shall be fully designed and tested for operation throughout warranted period.
- C. Driver shall be Underwriters Laboratories (UL) listed, Class 2 Outdoor recognized.
- D. Driver shall be suitable for damp locations.
- E. Driver shall operate from -20 to 60 deg C.
- F. Refer to fixture schedule on drawings for additional requirements.
- G. Driver shall operate from 50 to 60 Hz input source of 120 V, 208 V, 240V, 277 V and/or 480 V, as required in plans, with sustained variations of +/-10% (voltage and frequency) with no damage to the driver.
- H. Driver output shall be regulated to +/- 5% across published load range.
- I. Driver shall have an "A" sound rating.
- J. Driver shall have a power factor greater than 0.9.
- K. Driver input current shall have Total Harmonic Distortion (THD) of less than +/-20% at all operating voltages.
- L. Driver shall tolerate sustained open circuit and short circuit output conditions without damage and without need for external fuses or trip devices.
- M. Driver shall carry a five-year warranty from the date of manufacture against defects in material or workmanship, including replacement for operation at a maximum case temperature of 90 deg C.
- N. Driver shall have an efficiency greater than or equal to 85%.
- O. Driver shall comply with Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 15, Non-consumer (Class A) for EMI/RFI (conductive and radiated).
- P. Driver shall not contain any Polychlorinated Biphenyl (PCB).

2.02 LIGHT EMITTING DIODES (LEDS):

- A. Manufacturers must be in business for a minimum of (5) years.
- B. Light Emitting Diodes shall be provided with a driver as a modular replaceable system. The system shall be fully designed and tested for operation throughout warranted period.

- C. Diode arrays shall maintain +/-100K color temperature through the life of the fixture.
- D. Diodes shall have a minimum color rendering index of 80.
- E. Diodes and associate circuitry shall be RoHS compliant.
- F. Diodes shall be photometrically tested for compliance with IESNA LM-80-08, with projections calculated in accordance with IESNA TM-21-11.
- G. Diode arrays shall maintain a minimum 70% lumen output through an average operating life of 50,000 hours.
- H. Diodes and associated printed circuit boards shall be RoHS compliant.
- I. Refer to Lighting Fixture Schedule for color temperature requirements.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Furnish products as specified in schedule on the drawings.
- C. Install suspended luminaires and exit signs using pendants supported from swivel hangers. Provide pendant length required suspending luminaire at indicated height.
- D. Locate recessed ceiling luminaires as indicated on reflected ceiling drawing and electrical lighting drawings.
- E. Install surface mounted luminaires and exit signs plumb and adjust to align with building lines and with each other. Secure to prevent movement.
- F. Install recessed luminaires to permit removal from below.
- G. Install recessed luminaires using accessories and fire stopping materials to meet regulatory requirements for fire rating.
- H. Install clips to secure recessed grid-supported luminaires in place.
- I. Install recessed can luminaires to fit in ceiling. Provide all necessary trim ring extenders or other accessories for proper installation of luminaire in ceiling.
- J. Install wall mounted luminaires, emergency lighting units and exit signs at height as scheduled.
- K. Install accessories furnished with each luminaire.

L. Fixture whips utilizing THHN/THWN-2 wire in flexible metal conduit shall be used to connect all luminaires, emergency lights, and exit signs. Minimum wire size for all fixture whips shall be 14 AWG. Fixture whips shall be wired directly from the luminaire to an accessible junction box. Fixture to fixture whips are not allowed. Maximum length for any fixture whip shall be 6'.

M. Make wiring connections to branch circuit using building wire with insulation suitable for temperature conditions within luminaire.

N. Bond products and metal accessories to the branch circuit equipment grounding conductor.

O. Exposed Grid Ceilings: Support surface mounted luminaires on grid ceiling directly from building structure. Provide auxiliary members spanning ceiling grid members to support surface mounted luminaires.

P. Support luminaires larger than 2' x 4' size independent of ceiling framing.

3.02 FIELD QUALITY CONTROL

A. Operate each luminaire after installation and connection. Inspect for proper connection and operation.

3.03 ADJUSTING

A. Aim and adjust luminaires as directed.

B. Position exit sign directional arrows as indicated.

3.04 WARRANTIES

A. All warranties shall remain as an agreement between the installing contractor and the manufacturer. No third parties shall be involved with warranty repairs or replacements of installed products without the written consent of the installing contractor and the owner or their representative.

B. Labor for warranty repairs shall be billed by the contractor directly to the manufacturer or distributor during the duration of the labor warranty on the originally installed products. Labor work required on warranted parts, but outside of the 1-year labor warranty shall be the responsibility of the owner.

3.05 CLEANING

A. Clean all electrical parts to remove all of the conductive and deleterious materials.

B. Remove dirt and debris from enclosures.

C. Clean photometric control surfaces as recommended by manufacturer.

D. Clean finishes and touch up damage.

3.06 SCHEDULES

A. See the drawings.

END OF SECTION 265100

TYPE - EC

BOD MANUFACTURER- DUAL-LITE

MODEL NUMBER - LES-C-D-X-N-SW3

DESCRIPTION - DUAL FACE EDGE LIT SPECIAL WORDING SIGN. SHALL READ "IN USE". RED LETTERING ON MIRRORED

BACKGROUND

LAMP/CCT/CRI - LED/RED

CONTROL - NON-DIM

DELIVERED LUMENS - N/A

WATTS - 3

VOLTS - UNV

EQUALS- LITHONIA, SURE-LITE, MULE.

QUANTITY- 1 FIXTURE

TYPE - TA

BOD MANUFACTURER - BRUCK

MODEL NUMBER - LX-35-SW-15LM-35K-90-45D--48-DIM10Z-SMTPX-XX

DESCRIPTION - CYLINDER PENDANT LIGHT. TRACK MOUNTED. MEDIUM, 45 DEG DISTRIBUTION. PROVIDE MOUNTING

LENGTH PER PLANS. COORDINATE HEIGHT WITH ARCHITECTURAL CEILING. ARCHITECT TO SELECT ALL

FINISHES

LAMP/CCT/CRI - LED/4000K/90

CONTROL- 0-10V

DELIVERED LUMENS - 1,250

WATTS -10

VOLTS - UNV

EQUALS- ENGINEER APPROVED EQUAL

QUANTITY- 8 FIXTURES

TYPE - TT

BOD MANUFACTURER- BRUCK

MODEL NUMBER - SMT-S(21'-0 7/8")-X

DESCRIPTION - PENDANT MOUNTED TRACK SYSTEM. PROVIDE TRACK SYSTEM COMPATIBLE WITH TRACK MOUNTED

CYLINDER PENDANT LIGHTS. ARCHITECT TO SELECT ALL FINISHES. COORDINATE MOUNTING HEIGHT

WITH DECORATIVE CEILING.

LAMP/CCT/CRI - N/A

CONTROL - N/A

DELIVERED LUMENS -N/A

WATTS -N/A

VOLTS -N/A

EQUALS - ENGINEER APPROVED EQUAL

NOTE: TT TRACK LIGHTING SHALL INCLUDE ALL ASSOCIATED ITEMS TO MAKE SYSTEM FUNCTIONAL AND COMPLETE SUCH AS END CAPS, END CAP FEEDS, JOINERS, AIRCRAFT CABLE AND POWER, POWER SUPPLIES, AND ASSOCIATED CUTTING TOOL AS REQUIRED.

QUANTITY- 6 FIXTURES

Catalog Number:
LESCDRXNA-SW3

Notes:

Type:

EC

LES Series

SURFACE-MOUNT EDGE-LIT LED EXIT SIGN

DATE: LOCATION:

TYPE: PROJECT:

_____ CATALOG #:

FEATURES

- Easy to install
- AC and Emergency operation
- Long-life LED lamps
- Ceiling, wall or end mounted models for surface installations
- Extruded aluminum construction
- Available in six color finishes: white, black, satin aluminum, satin brass, chrome, and dark bronze
- Molded acrylic plaque
- Clear acrylic plaque standard
- Optional: White plaque background
- Optional: Mirror plaque background
- Optional: Special Wording

Ceiling Mount

Ceiling Mount Emergency

- Temperature Range: 20°C - 30°C (68°F - 86°F)
- UL 924 Listed
- NFPA 101 (Life Safety Code)
- NFPA 70 (National Electrical Code)

Wall Mount

Wall Mount Emergency

SPECIFICATIONS

APPLICATION

- The LES Series provides bright, even letter illumination in an energy-saving LED edge-lit exit sign configuration
- AC or Emergency operation with optional Spectron® Self-test/self-diagnostic circuitry
- Special Wording ("SW") option allows customizing the stencil field to convey important information

CONSTRUCTION

- Water-clear injection-molded acrylic EXIT plaque is available with clear, white or mirror backgrounds
- High strength extruded aluminum trim available in six finishes
- Exit face design in single or double face with red or green letters
- Custom printed directional chevron arrows
- Standard EXIT stencil with 6" letters and 3/4" stroke

INSTALLATION

- Mounts to standard electrical boxes up to 4" square via universal adapter plate and mounting canopy assembly
- All mounting hardware is fully concealed

ILLUMINATION

- Exit face illumination is provided by energy saving, long life red or green LEDs
- Exceeds UL 924 requirements for brightness and uniformity

COMPLIANCES

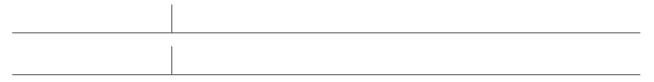
- UL 924 Listed
- NFPA 70
- NFPA 101
- CEC T20 Compliant

WARRANTY

- 5 year warranty
- Battery: 2 years full, 8 years pro-rata

KEY DATA	
Wattage Range	2.2–5.0W
Reported Life (Hours)	60,000
Input Current Range	120/277VAC, 60 Hz

DUAL LITE[®]



QS10

Catalog Number:
LESCDRXNA-SW3

Notes:

Type:
EC

LES Series

SURFACE-MOUNT EDGE-LIT LED EXIT SIGN

ORDERING GUIDE

CATALOG #

DATE: LOCATION:
TYPE: PROJECT:

_____ CATALOG #:

Example: LESWDRDNA-W

Gray Shading =

Model	Mounting	Faces	Letter Color	Directional Arrows	Finish	Operation	Self-Diagnostic	Options
LES Edge-lit Exit	C Ceiling Mount W Wall Mount E End Mount	S Single D Double* <small>*Not for use with wall mounted models</small>	R Red G Green	X No Arrows EXIT R Right Arrow* <EXIT> L Left Arrow* <EXIT> D Double Arrows <EXIT> C L/R Arrows** <Exit/Exit> <small>* Not for use with double face models. Use "C" L/R arrow designator ** Double face models only. Provides reversible right or left arrow indicator</small>	N Satin Aluminum W White C Chrome ¹ B Black S Satin Brass Z Dark Bronze <small>For White (W) and Satin Aluminum (N) finishes, the canopy color is White. For all other finishes, the canopy is Black</small>	A AC Only E Emergency	Blank None I Spectron® self-testing/ self-diagnostic electronics ²	SW See available special wording choices on page 4 ^{3,4} W White plaque background M Mirror-plaque background ⁵

Notes:

- 1 Chrome available only with AC Only Operation (A).
- 2 For use with emergency models only
- 3 Specify special wording code from page 3 when ordering. Example: SW41
- 4 Some special wording signs not available with directional arrows.
- 5 Double face models standard with mirror background without selecting "M". For optional white background, select "W".

ELECTRONICS

Available with AC, emergency and Spectron® self-test/self-diagnostic electronics option. Emergency and self-diagnostic models equipped with isolation transformer and fully automatic constant current solid state charger with sealed maintenance-free nickel-cadmium battery. All emergency models with 90-minute run-time. All components mounted inside housing. Includes test switch and AC-on indicator. Transient/surge protection, low voltage disconnect and AC lock-out features included. Battery recharge within UL time standards. Includes pre-stripped AC input pigtail leads.

Power Factor, Average: .8 (lagging)

Battery Type: Maintenance-free sealed nickel cadmium battery

AC Input: 120/277VAC, 60 Hz.

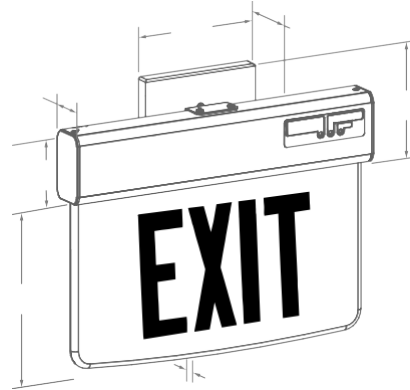
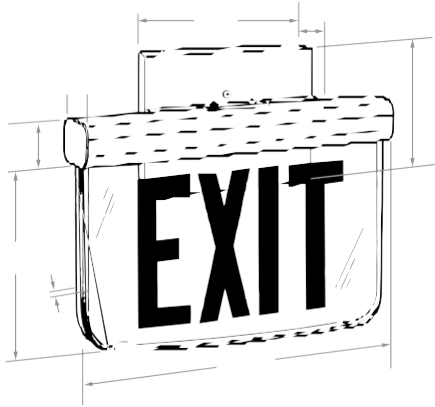
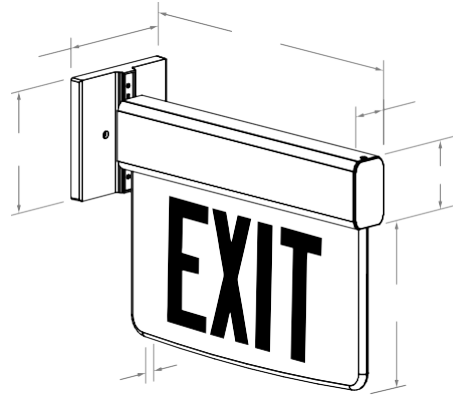
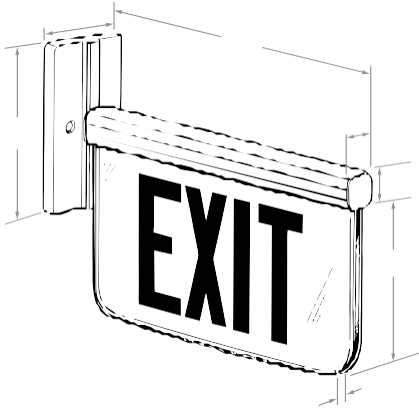
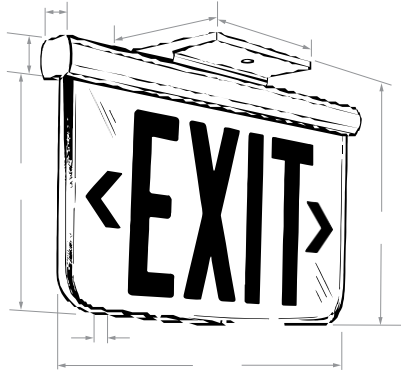
Operating Temperature Range: 20°C to 30°C (68°F to 86°F)

Weight: 3.6 lbs (1.6 kg) (AC Only model)

POWER CONSUMPTION (120/277VAC)

Model	Single Face	Double Face
Red AC Only	2.2 watts	3.4 watts
Green AC Only	2.5 watts	4.0 watts
Red Emergency	3.3 watts	4.5 watts
Green Emergency	3.6 watts	5.0 watts

* Wattage figures include LED lamps, transformer and electronics power requirements.



Catalog Number:
LESCDRXNA-SW3

Notes:

Type:

EC

LSI24-67083

LES Series

SURFACE-MOUNT EDGE-LIT LED EXIT SIGN

SPECIAL WORDING

LES Series architectural surface-mounted LED edge-lit exit signs feature an option for standard or custom special-wording. The images below represent standard special-worded signs available for the LES Series. The artwork and silk-screening for the standard signs shown below were previously developed therefore pricing for these special-worded signs do not incur a setup charge.

STANDARD SPECIAL WORDING SIGNS WITH DIRECTIONAL ARROWS

If your special-worded requirements do not appear on this page, please contact the factory to request your custom special-wording sign. Custom special wording signs incur a one time set-up charge for each development.

SW118

SW41 (Arabic/Exit)

SW13

SW10

SW69

SW11

STANDARD SPECIAL WORDING SIGNS WITHOUT DIRECTIONAL ARROWS

SW4

STANDARD SPECIAL WORDING SIGNS

SW31

SW2

SW3

Special Wording Option example

NOTE: Special worded signs do not meet letter size requirements of UL 924.

Category	Special Wording Number	Description
EXIT	SW 2	NOT AN EXIT
	SW 142	EXIT (TEXT IS INVERTED)
	SW 144	EXIT (W/ WHEELCHAIR SYMBOL)
DO NOT ENTER	SW 3	IN USE
EVACUATION	SW 10	AREA OF REFUGE
	SW 11	AREA OF REFUGE WITH WHEELCHAIR SYMBOL
	SW 13	AREA OF RESCUE ASSISTANCE WITH WHEELCHAIR SYMBOL
	SW 48	STAIRS
	SW 117	TO AREA/OF REFUGE
LABORATORY	SW 149	AREA OF RESCUE
	SW 4	X-RAY IN USE
	SW 21	BEAM ON
	SW 28	MRI IN USE
	SW 31	LASER IN USE

	SW	62	RADIATION IN USE
	SW	57	CT IN USE
	SW	166	TESTING IN PROGRESS
RESTROOM/ FACILITIES	SW	30	ROOM IN USE
	SW	118	HANDICAPPED (SYMBOL ONLY)
	SW	167	RESTROOM OCCUPIED
	SW	168	ELEVATOR
	SW	169	MEN (NO ARROWS/CHEVRONS)
	SW	170	WOMEN (NO ARROWS/CHEVRONS)
INTERNATIONAL EXITS	SW	41	ARABIC/ EXIT
	SW	69	SALIDA
	SW	165	SALIDA (INVERTED TEXT)
AREA/ALERTS	SW	9	ON AIR
	SW	178	EMERGENCY CALL STATION

DUAL LITE®

