



State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387

ADDENDUM #1

RFQ #7497372

**TITLE: INTERIOR/EGRESS LIGHTING UPGRADE-
WOONSOCKET DEPOT**

SUBMISSION DEADLINE: 9/16/13 – 10:30 A.M.

Prospective bidders and all concerned are hereby advised of the attached changes/modifications for the above referenced RFQ and are hereby requested to change their copies accordingly.

- FILE ATTACHMENT REPLACES THE ORIGINAL POSTED, FOR THE PURPOSE OF ENLARGING PRINT.
- Storage is available to the awarded vendor and is located in the basement of the building.
- Coordination of work should be through Woonsocket Depot Office Manager to be identified at the time of award.
- Provide, on the attached sheet, a UNIT PRICE for each type of luminaire for replacement as may be necessary. The attached sheet must be returned with the bid proposal and signed addendum.

A handwritten signature in cursive script, appearing to read "Lisa Hill".

LISA HILL
CHIEF BUYER

Bidders must include a signed copy of this addendum with their proposal submission as acknowledgment.

Company Name (Print)

Signature of Authorized Representative

**State of Rhode Island
Division of Purchases
RFQ 7497372
Addendum 1**

Woonsocket Depot
Interior and Egress Lighting Upgrade

Fixture Type	Item Description	Unit Price
1 Type "A" Luminaires	Type A - 4' -2 Lamp Wrap W/2 T8 Lamps & Electronic Ballast (120v) - Lithonia Sb Series	\$ _____
2 Type "C" Luminaires	Type C - 2' - 2 Lamp Wrap W/2 - T8 Lamps & Electronic Ballast (120v) - Lithonia Sb Series	\$ _____
3 Type "D" Luminaires	Type D - 8' - 4 Lamp Tandem Wrap W/4 - T8 Lamps & Electronic Ballast (120v) - Lithonia Sb Series	\$ _____
4 Type "G" Luminaires	Type G - Exit Sign Led W/Emergency Battery Pack & 2 Emergency Lighting Heads, Emergi Lite Exl400 Sq Series	\$ _____
5 Type "H" Luminaires	Type H - Emergency Battery Pack W/2 Lighting Heads (120v) Emergi Lite El - 2s Q Series	\$ _____

All fluorescent lamps to be manufactured by Phillips

JOB SPECIFIC

Code T.07.9901

Woonsocket Depot
Interior and Egress Lighting Upgrade

DESCRIPTION: The work under this item consists of furnishing and installing new interior and egress lighting to replace or supplement existing lighting at the Woonsocket Depot facility in Woonsocket, R.I. All lighting to be installed according to the latest revision of the N.E. Code, RIDOT Standards and Specifications and as shown on the Upgrade Lighting Plans.

MATERIALS: All materials for this item such as , conductors, conduits, junction boxes, luminaires etc. are to furnished and installed according to existing RIDOT codes and specifications; However, the luminaires are to be supplied as shown in the Lighting Legend and as listed below. See attached manufacturer specifications for further information.

Below is a summary of the individual lighting items and their associated quantities:

<u>Item Description</u>	<u>Quantity</u>
Type "A" Luminaires	70
Type "C" Luminaires	9
Type "D" Luminaires	2
Type "F" Luminaires	1
Type "G" Luminaires	16
Type "H" Luminaires	1

All fluorescent lamps to be manufactured by Phillips

CONSTRUCTION METHODS: The new fluorescent luminaires are, for the most part, to be installed in the same locations as the exiting ones. Egress lighting is to be installed as shown in the drawings. In new locations, the Contractor shall obtain power from the nearest available source.

All luminaries that have been removed are to be disposed by the contractor according to RIDOT Hazard Waste Specifications.

METHOD OF MEASUREMENT: “Woonsocket Depot – Interior and Egress Lighting Upgrade” shall be measured and paid for as a “Lump Sum” for the total installation and removals as described in this item and with all required electrical components.

BASIS OF PAYMENT: “Woonsocket Depot – Interior and Egress Lighting Upgrade” shall be paid for at the contract bid price “Lump Sum”. Lump Sum bid price shall include all conduits (EMT), cables, splices, luminaires, lamps, tools, accessories, and any other miscellaneous electrical materials and or equipment necessary to satisfactorily complete this work.

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FEATURES & SPECIFICATIONS

INTENDED USE — For applications that require the clean appearance of a flat-bottom diffuser. Provides high light levels for storage rooms, offices or retail applications. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Linear side prisms control brightness, pyramidal bottom prisms minimize lamp image. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance. Full depth, white enamel end plates.

Die-formed from code gauge cold-rolled steel. Channel cover snaps into place without the use of tools. Full end cap factory installed to reduce job site labor. Diffuser is extruded clear acrylic.

Finish: Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Finished with high-gloss, baked white enamel.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, UL listed, CSA Certified ballast is standard. Energy saving and electronic ballasts are sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

INSTALLATION — For surface or stem mounting, individual or row installation.

LISTINGS — UL listed to U.S. and Canadian Safety Standards. Optional: Canada CSA or Mexico NOM

WARRANTY — 1-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Square-Basket Wraparound

SB



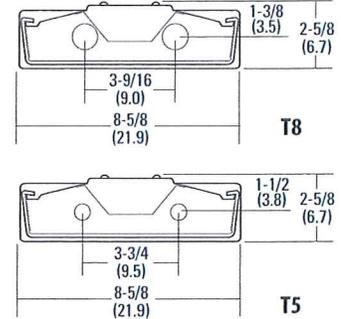
T8/T5
NARROW BODY
2', 4' or 8' lengths
2 lamps



Specifications

T8 Length:	24 (61.0) 48 (122.0) 96 (243.9)
T5 Length:	22-1/2 (57.2) 46-1/2 (118.1) 92-1/2 (235.0)
Width:	8-3/8 (21.2)
Depth:	2-5/8 (6.7)

All dimensions are inches (centimeters) unless specified otherwise.



ORDERING INFORMATION

For shortest lead times, configure products using standard options (shown in bold.)

Example: SB 2 32 MVOLT GEB10IS

Series	Lamp type	Voltage	Options
SB 2			
SB 2 2 lamps, 8-3/8" wide	17 17W T8 (24")	120	<u>Shipped installed in fixture</u>
For tandem double-length unit, add prefix T. Example: TSB	32 32W T8 (48")	277	GEB10IS Electronic ballast, ≤10% THD, instant start
	14T5 14W T5 (22-1/2")	347 ¹	GEB10RS Electronic ballast, ≤10% THD, program rapid start
	28T5 28W T5 (46-1/2")	MVOLT²	GEB10PS Electronic ballast, ≤10% THD, program start
	54T5HO 54W T5 HO (46-1/2")		GEB95 .95 ballast factor T5 ³
			GEB95S .95 ballast factor T5 step dimming ³
			EL Emergency battery pack (nominal 300 lumens, see Life Safety Section) ⁴
			EL14 Emergency battery pack (nominal 1400 lumens, see Life Safety Section) ⁴
			GLR Internal fast-blow fuse ⁵
			GMF Internal slow-blow fuse ⁵
			RE 120V residential electronic ballast ⁶
			CSA Listed and labeled to comply with Canadian Standards
			NOM NOM certified
			SSR Specular silver interior finish (95% reflective)

Accessories: Order as separate catalog number.	
SQ_	Swivel-stem hanger (specify length in 2" increments)
1B	Ceiling spacer (1-1/2" to 2-1/2" from ceiling)

Notes

- Not available in GEB10PS.
- Electronic ballast 120 through 277V only.
- Only available with 14T5 or 28T5.
- Not available with T5 2' configuration.
- Must specify voltage.
- Must specify voltage, 120V. Energy Star[®] qualified.

SB Square Basket Wraparound, Narrow Body

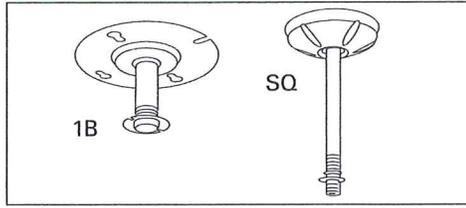
TYPE "A", "C", & "D"

MOUNTING DATA

For unit or row installation. Surface or stem mounting. Stem mounting is not available with TSB.

UNIT INSTALLATION — Minimum of two hangers required.

ROW INSTALLATION — One hanger per fixture plus one per row required.



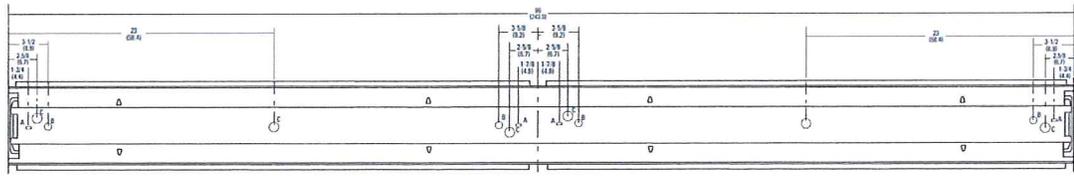
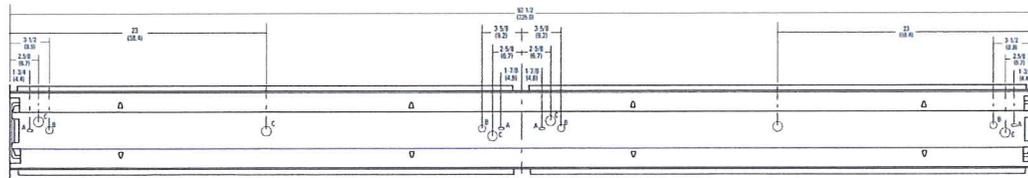
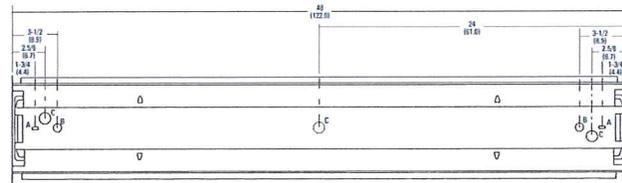
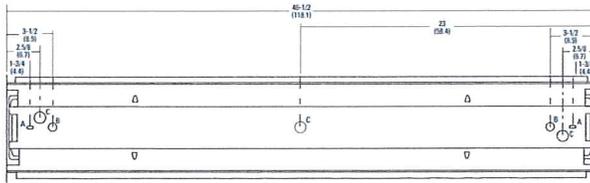
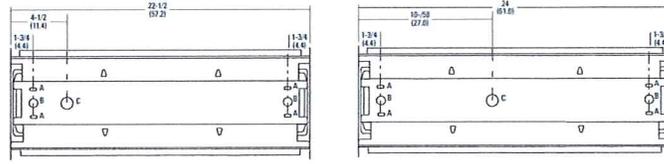
DIMENSIONS

All dimensions are inches (centimeters). Specifications subject to change without notice.

A = 1/4 x 1/2 (64 x 13) Oval Hole

B = 11/16 (17) Dia. K.O.

C = 7/8 (22) Dia. K.O.



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.

Test # BAL16519 - SB 2 32 MVOLT GEB1015

Test # LTL 19931 - SB 2 28 T5 GEB95

Coefficient of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

pc	Coefficients of Utilization												
	20%												
	80%			50%			30%			10%			0%
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	107	107	107	97	97	97	90	90	90	84	84	84	82
1	93	90	86	85	82	79	79	77	75	74	73	71	68
2	82	76	71	75	70	66	70	66	63	66	63	60	58
3	73	65	60	66	61	56	62	58	54	59	55	52	49
4	65	57	51	59	53	48	56	51	47	53	48	45	43
5	58	50	44	53	47	42	50	45	41	48	43	39	37
6	52	44	39	48	42	37	46	40	36	43	39	35	33
7	47	40	34	44	38	33	42	36	32	40	35	31	29
8	43	36	31	40	34	29	38	33	29	37	32	28	26
9	40	32	28	37	31	27	35	30	26	34	29	25	24
10	37	30	25	34	28	24	33	27	24	31	26	23	21

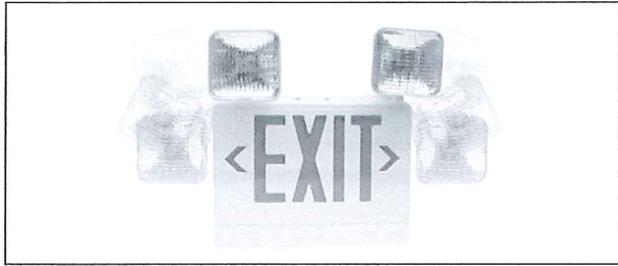
RCC%	Effective Floor Cavity Reflectance: 20%																
	70%																
	80%			50%			30%			10%			0%				
RW%	50%	30%	0	50%	30%	0	50%	30%	20	50%	30%	20	50%	30%	20	0	
0	1.03	1.03	1.03	1.03	1.00	1.00	1.00	.79	.93	.93	.93	.87	.87	.87	.82	.82	.79
1	.94	.90	.86	.83	.91	.87	.84	.67	.82	.79	.77	.77	.75	.73	.72	.71	.69
2	.86	.79	.74	.69	.83	.77	.72	.57	.72	.68	.64	.68	.65	.61	.64	.61	.59
3	.79	.70	.63	.58	.76	.68	.62	.50	.64	.59	.55	.61	.56	.53	.57	.54	.51
4	.73	.63	.55	.50	.70	.61	.54	.43	.58	.52	.47	.54	.50	.46	.52	.47	.44
5	.67	.56	.49	.43	.65	.55	.48	.38	.52	.46	.41	.49	.44	.40	.47	.42	.39
6	.62	.51	.43	.38	.60	.50	.42	.34	.47	.41	.36	.45	.39	.35	.48	.38	.34
7	.58	.46	.39	.34	.56	.45	.38	.30	.43	.37	.32	.41	.36	.31	.39	.34	.31
8	.54	.42	.35	.30	.52	.41	.34	.27	.39	.33	.29	.38	.32	.28	.36	.31	.28
9	.50	.39	.32	.27	.49	.38	.31	.25	.36	.30	.26	.35	.29	.26	.33	.28	.25
10	.47	.36	.29	.25	.46	.35	.29	.23	.34	.28	.24	.32	.27	.23	.31	.26	.23

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0° - 30°	1444.3	24.5
0° - 40°	2374.5	40.2
0° - 60°	3953.3	67.0
0° - 90°	4821.6	81.7
90° - 180°	610.2	10.3
0° - 180°	5431.9	92.1

Zonal Lumens Summary			
Zone	Lumens	%Lamp	%Fixture
0-30	1,274.4	24.5	27.7
0-40	2,085.0	40.1	45.3
0-60	3,401.4	65.4	73.9
60-90	726.3	14.0	15.3
90-120	483.1	9.3	10.5
0-90	4,127.8	79.4	89.6
90-180	476.6	9.2	10.4
0-180	5,604.4	88.5	100



An Acuity Brands Company



ELX400 SQ Series

Thermoplastic LED Exit & Combination Units



Standard Features

- Comes with two fully adjustable glare-free SQ light heads for egress lighting, with two (2) 6V-5.4 watts DC T5 wedge base lamps.
- Low power consumption – LED lamps are operated in normal (AC input) and emergency (DC input) modes.
- Injection-molded UV stabilized thermoplastic housing, faceplates, and canopy. UL 94, 5VA flame rating. Two faces, back plate, and canopy.
- Available with a sealed, maintenance-free Lead-Calcium battery. Additional battery available for 12 watts remote load or extended unit run time (see How To Order).
- 120/277 VAC dual voltage operation. LED indicator light and push button test switch. Remote capacity exit with two heads may power additional remote heads up to 6 Volt, 12 watts. Remote capacity exit with no heads may power additional remote heads up to 6 Volt, 22 Watts. Low voltage battery disconnect.
- Innovative, snap-together design allows for fast installation. Wall or ceiling mounting. Canopy snaps to housing with a twist-lock feature tightly securing the canopy to the housing. Replaceable directional chevron inserts are easily removed and reinserted.
- UL Listed. Complies with NEC, Life Safety Code and OSHA. Damp location listing is standard on all models.
- 3-year full warranty, excluding lamps, pilot lights and fuses.

Electrical Features

Electrical

- 120/277VAC dual voltage operation
- Low power consumption - LED's
- LED indicator light and push button test switch
- Remote capacity - may power additional remote heads (up to 6V 12W) with additional battery
- Low voltage battery disconnect
- All models are damp location listed

Lamps

- LED's mounted on print circuit board (for exit sign)
- LED lamps are operated in normal (AC input) and emergency (DC input) modes.
- 2 x 6V 5.4 watts DC T5 wedge base lamps for emergency mode

Battery

- Sealed maintenance-free lead-calcium battery
- Additional battery available for 12 watts remote load or extended unit run time (see How To Order).

Suggested Specifications

LED Exit Combination

The contractor will install the EMERGI-LITE® _____ Combination Series. The Exit Combo shall be suitable for wall or ceiling mount. The face shall be constructed of a durable high impact thermoplastic. No screws are necessary to hold the face plate or canopy to the housing. Snap-together design allows for quick installation. The face plate shall be constructed of a one-piece thermoplastic mold. This combination unit shall be 120/277Vac compatible and be UL 924 listed. Emergency lights can be adjusted for side- mounting or top mounting. The unit will stay illuminated during emergency mode for a period of 90 minutes.

Unit Warranty*

Entire unit (excluding lamps and fuses) carries a 3-year Full Warranty.

Battery Warranty*

Lead Calcium (Combination and Emergency Light Unit):

3-years, 3-years pro-rata

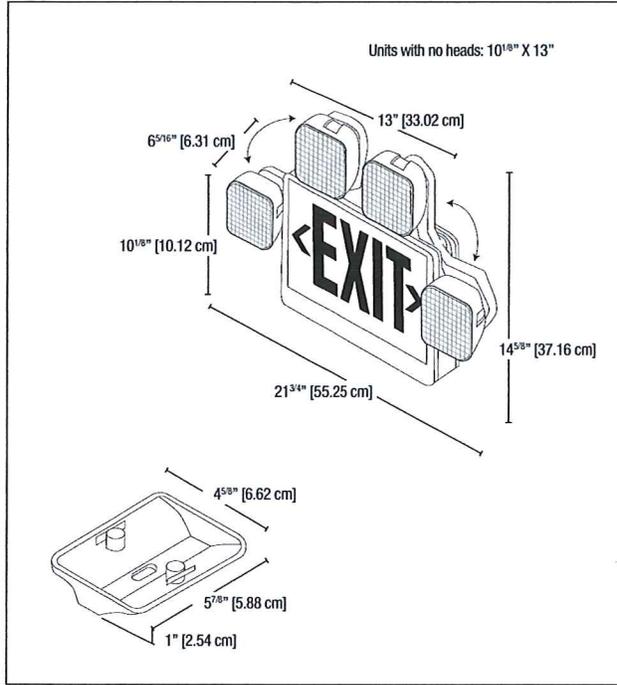
Nickel-Cadmium (Exit Sign): 5-years, 5-years pro-rata.

*Subject to proper installation

TYPE "F" & "G"

Outline and Dimensions

Dimensions are approximate and subject to change.



Note: Heads move from side to top in field

Accessories (order as a separate item)

Description	Add Suffix
Wire Guard (heads in any position)	WG4-E
Replacement battery	860.0004-E
Replacement lamp	570.0012-E

*Do not exceed rated unit capacity.

How to Order

Series	Stencil Face (letters)	Light Heads	Capacity Indicator	Options
ELXN400	R= Red G= Green	-0= Combo no heads* -2SQ= Lamp standard 6V 5.4W *Only available with remote capacity AD and red stencil	Blank= No remote capacity R= 12W remote capacity* *Do not exceed rated unit capacity	Blank= No options -AD= Advance diagnostics* *Only available with remote capacity and red stencil

EXAMPLE: ELXN400R-0R-AD

Thomas&Betts

All information and specifications contained in this specsheet are subject to change due to engineer design, errors and omissions. Illustrations and diagrams within this specsheet may vary from actual products.
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TYPE "H"



THE ESCORT II



EL-2SQ Series

Thermoplastic Unit with Adjustable Lighting Heads

For wall or ceiling mounting, the **EL-2SQ Series** comes standard with an 11 watt capacity and is damp location listed. The unit can be installed in minutes, giving you a versatile emergency lighting solution for the job site.

Standard Features

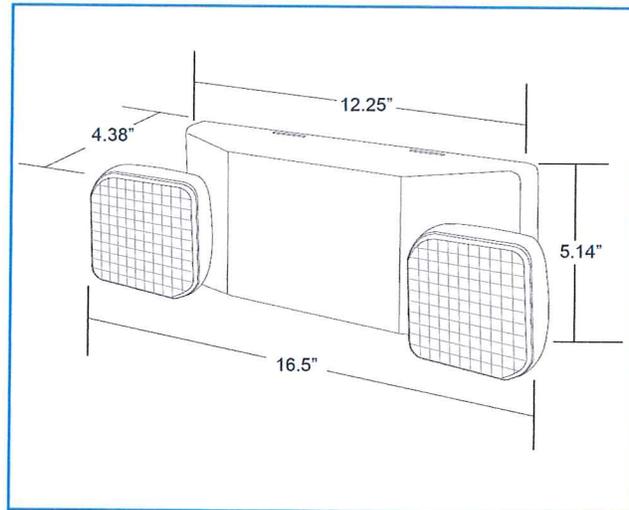
- Two (2) fully adjustable glare-free 6V 5.4 watt DC T5 wedge base lamps for emergency mode egress light.
- Injection-molded UV stabilized thermoplastic housing and back plate. UL 94, 5VA flame rated.
- Sealed, maintenance-free Lead-Calcium batteries. Designed to power 11 watts remote load or extended unit run time.
- 120/277 VAC dual voltage operation. LED indicator light and push button test switch. Remote capacity may power additional remote heads (up to 6V-11W). Low voltage battery disconnect.
- Innovative, snap-together design allows for fast installation. Wall or ceiling mounting. Universal knock-out pattern on the back plate allows for junction box mounting.
- UL Listed. Complies with NEC, Life Safety Code and OSHA. Damp location listing is standard in all models.
- 3-year full warranty, excluding lamps and fuses.

Accessories (order as a separate item)

Description	Add Suffix
Replacement battery	860.0018-E
Replacement lamp (standard)	570.0012-E
Vandal shield	VRS.BB
Vandal shield (NEMA 4X)	VRSBB.4X
Wire Guard (heads in any position)	WG10-E

Outline and Dimensions

Dimensions are approximate and subject to change.



How to Order

Series	Light Heads	Capacity Indicator
EL= Self-powered	-2SQ= Standard lamp 6V-5.4W Incandescent	Blank= No remote capacity R= 11 watts remote capacity*
*Do not exceed rated unit capacity.		

