



## DEPARTMENT OF PURCHASING & CONTRACT COMPLIANCE

Winner 2000 - 2009 Achievement of Excellence in Procurement Award  
National Purchasing Institute

Cecil S. Moore, Director



<b>REQUEST FOR QUOTE NUMBER:</b>		<b>10DW73798C</b>
<b>WILL BE RECEIVED UNTIL</b>		<b>2:00 PM</b>
		<b>June 14, 2010</b>
<b>DESCRIPTION: LIGHT FIXTURES &amp; RELATED SUPPLIES (NO INSTALLATION)</b>		
<b>DEPARTMENT: GENERAL SERVICES DEPARTMENT</b>		
<p>Effective September 1, 2008, the Department of Purchasing &amp; Contract Compliance will only accept responses to quotes electronically using our on-line Vendor Self Service system at <a href="http://www.fultonvendoreselfservice.co.fulton.ga.us">www.fultonvendoreselfservice.co.fulton.ga.us</a>. You must be a registered vendor in order to respond to quotes.</p>		
<p>ANY QUESTIONS REGARDING PURCHASING PROCEDURES OR THE SPECIFICATIONS SHOULD BE ADDRESSED <u>ONLY</u> TO THE PURCHASING CONTACT PERSON LISTED BELOW. BIDDERS MAY NOT HAVE CONTACT WITH COUNTY OFFICERS, ELECTED OFFICIALS OR COUNTY EMPLOYEES REGARDING THIS BID PRIOR TO AWARD OF PURCHASE ORDER. VIOLATION OF THIS INSTRUCTION WILL RESULT IN YOUR BID BEING FOUND NON-RESPONSIVE.</p>		
<b>CONTACT NAME:</b> DIANN WASHINGTON	<b>E-Mail Address :</b> diann.washington@fultoncountyga.gov	<b>Telephone Number:</b> 404-612-1100
<p>All information requested on this sheet must be completed. Unless specifications indicate "NO SUBSTITUTE", items determined by Fulton County to be "EQUAL OR BETTER" will be given full consideration. All prices QUOTED must be "FOB DELIVERED" unless otherwise requested, and must be submitted in the format requested. The County reserves the right to cancel the solicitation and to reject any or all quotes in whole or in part and is not bound to accept any quote if rejection of that quote is determined to be contrary to the best interest of the County.</p>		
<b>Company Name:</b>		
<b>Company Address:</b>		
<b>City</b>	<b>State</b>	<b>Zip Code</b>
<b>Telephone Number:</b>	<b>Fax Number:</b>	<b>E-Mail Address:</b>
<p><b>RESPONSES MUST BE SUBMITTED ON-LINE AT <a href="http://www.fultonvendoreselfservice.co.fulton.ga.us">www.fultonvendoreselfservice.co.fulton.ga.us</a> BY THE TIME AND DATE INDICATED.</b></p>		
<b>Person submitting QUOTE: (Please Print)</b>		<b>Date</b>
<b>Title</b>		
<b>*Signature of the person submitting QUOTE:</b>		
<p>*Person submitting this e-quote has binding authority to submit contracts on behalf of the responding company. By submitting a response, vendor agrees that their quote is an offer to sell. All bidders shall comply with all Fulton County purchasing laws, policies, and procedures, as well as relevant state and federal laws— including compliance with EEOC hiring guidelines and requirements under the Americans with Disabilities Act.</p>		

**REQUEST FOR QUOTE  
GENERAL TERMS AND CONDITIONS**

The following provisions are hereby made a part of this Request for Quote. Any contract or purchase order awarded as the result of this request shall be governed by these General Terms and Conditions. By submission of your responses to this quote, vendor agrees to furnish the product(s) and/or service(s) pursuant to these conditions.

1. **GENERAL.** These provisions are standard for all County contracts. The County may delete or modify any of these standard provisions for a particular contract or purchase order by indicating a change in the special instructions or provisions. **Any vendor accepting a purchase order award as the result of this request agrees that the provisions included within this Request for Quote shall prevail over any conflicting provision within any standard form contract of the vendor.**
2. **SUBMISSION OF RESPONSES.** Responses must be submitted for quotes on-line via the Vendor Self Service system at <https://fultonvendorselfservice.co.fulton.ga.us/webapp/VSSPROD/Advantage>. Response to quotes must be received no later than 2:00 p.m. on the date indicated.
3. **AMENDMENTS TO THE REQUEST FOR QUOTE.** Any amendment to pricing is valid only if in writing and issued by the County.
4. **NON-COLLUSION.** Bidder certifies that this bid is made without prior understanding, agreement or connection with any other corporation, firm or person submitting a bid for the same work, labor or service to be done or the supplies, materials or equipment to be furnished and is in all respects fair and without collusion or fraud. Bidder further understands collusive bidding is a violation of state and federal law and can result in fines, prison sentences and civil damage awards. Bidder agrees to abide by all conditions of this bid and certifies that person signing is authorized to sign this bid or proposal for the bidder.
5. **CONFLICT OF INTEREST.** Vendor states that no County officer or employee, nor any business entity in which they have an interest: a) Has an interest in the contract awarded; b) Has been employed or retained to solicit or aid in the procuring of the resulting contract; c) Will be employed in the performance of such contract without immediate disclosure of such fact to the County.
6. **BASIS OF AWARD.** The County shall award to the overall lowest responsible and responsive vendor complying with the provisions of the Request for Quote. The following criteria may be considered by the County in selecting the most advantageous quote: a) Ability to perform the service required within the specified time; b) Conformance to specification; c) The quality of performance in previous contracts; d) Financial ability to perform the contract; e) Item pricing; f) vendor references. The County reserves the right to cancel the solicitation and to reject any or all quotes in whole or in part and is not bound to accept any quote if rejection of that quote is determined to be contrary to the best interest of the County.
7. **SAMPLES.** Samples of items when required, must be furnished free of expense to the County and upon request, be returned to the Vendor at the Vendor's expense. Samples of selected items may be retained for comparison purposes.
8. **NEW.** All items bid must be new. Used, rebuilt and refurbished items will not be considered unless specifically authorized by Fulton County in the written specifications.
9. **BRAND NAME SPECIFICATIONS AND APPROVED EQUIVALENTS.** Unless otherwise specified, manufacturer's names, trade names, brand names, information and/or catalog numbers listed in the specifications are intended only to identify the quality and characteristics desired. They are not intended to limit competition. The Vendor may offer any equivalent product which meets or exceeds the specifications. If quotations are based on equivalent products, the quote must: a) Indicate the alternate manufacturer's name and catalog number; b) Include complete descriptive literature and/or specifications; c) Include proof that the proposed equivalent will meet the specifications. The County reserves the right to be the sole judge of what is equal and acceptable to meet its needs in all respects. If Bidder fails to name a substitute, goods identical to the published standard must be furnished.
10. **INDEMNIFICATION.** Contractor/Vendor hereby agrees to release, indemnify, defend and hold harmless the County, it's Commissioners, officers, employees, subcontractors, successors, assigns and agents from and against any and all losses (including death), claims, damages, liabilities, costs and expenses (including but not limited to all actions, proceedings, or investigations in respect thereof and any outcome of any such action, proceeding, or investigation), caused by, relating to, based upon or arising out of any act or omission by contractor, it's directors, officers, employees, subcontractors, successors, assigns or

agents, or otherwise in connection with its acceptance, of the performance, or nonperformance, of its obligations under this agreements.

11. **TAXES.** Fulton County is exempt from the State of Georgia sales tax and exemption certificate will be furnished upon request.
12. **DELIVERY.** All prices must be FOB Destination, unloaded inside and assembled unless otherwise indicated.
13. **RIGHTS AND REMEDIES OF COUNTY FOR DEFAULT.** If any item furnished by the Vendor fails to conform to specifications, or to the sample submitted by the Vendor, the County may reject it. Upon rejection, the Vendor must promptly reclaim and remove such item without expense to the County, and shall immediately replace all such rejected items with others conforming to such specification and samples. If the Vendor fails to do so, the County has the right to purchase in the open market a corresponding quantity of any such items and to deduct from any monies due the Vendor the difference between the prices named in the purchase order and the actual cost to the County. If the Vendor fails to make prompt delivery of any item, the County has the right to purchase such item in the open market and to deduct from any monies due the Vendor the difference between the prices named in the purchase order and the actual replacement cost to the County. The rights and remedies of the County identified above are in addition to any other rights and remedies provided by law or under the purchase order.
14. **INVOICES AND PAYMENT TERMS.** Invoices are to be mailed to the County department specified on the resulting purchase order or master agreement. All invoices must include the purchase order number or master agreement number. Failure to comply may result in delayed payments. The County payment terms are Net 30 days unless a cash discount is allowed for payment within not less than twenty (20) days. The payment term shall begin on the date the merchandise is inspected, delivered and accepted by the County and the correct invoice is received in the office specified on the purchase order.
15. **LEGAL REQUIREMENTS.** Federal, State, County and local ordinances, rules and regulations, and policies shall govern development, submittal and evaluation of quote and disputes about quotes. Lack of knowledge by any Vendor about applicable law is not a defense.
16. **ASSIGNMENT.** Any purchase order awarded shall not be assignable by the Vendor without the express written approval of the County, and shall not become an asset in any bankruptcy, receivership or guardianship proceedings.
17. **REJECTION OF BID.** Bids may be considered irregular and may be rejected if they show omissions, alternations of form, additions not called for, conditions, limitations, unauthorized alternate bids or other irregularities of any kind. The County reserves the right to waive minor technicalities or irregularities of bid.
18. **TERMINATION.** In the event any of the provisions of the purchase order are violated, the County may serve written notice of its intention to terminate the purchase order. Such notice will state the reason(s) for such intention, and unless within ten (10) days after serving notice upon the contractor, such violation has ceased and satisfactory arrangements for correction made, the purchase order shall, upon expiration of ten (10) days, be terminated. Further, the County reserves the right to terminate for its convenience any purchase order in whole or in part upon giving thirty (30) days prior written notice to the other party.
19. **DEBARMENT.** If a Bidder is presently debarred, suspended, proposed for debarment, declared ineligible, or otherwise excluded from doing business with any government agency which prohibits your firm from participating in any procurement, the Bidder must provide the County with that information as part of its response to this solicitation. Failure to fully and truthfully provide the information required, may result in the disqualification of your bid from consideration or termination of the purchase order, once awarded.
20. **RIGHT TO PROTEST.** Any actual or prospective Bidder who is aggrieved in connection with a solicitation or award of a contract/purchase order must submit its protest in writing to the Director of Purchasing & Contract Compliance, 130 Peachtree St. S.W., Suite 1168, Atlanta, GA 30303. A protest must be submitted to the Director of Purchasing & Contract Compliance in writing within 14 days after such aggrieved entity knows or should have known of the solicitation, the award of contract/purchase order to another or other acts giving rise to a protest. An oral protest or a protest to an official, employee, user department, or other person apart from the Director of Purchasing does not comply with Fulton County Code Section 2-324 and does not toll the protest time period.

**SIGNATURE BELOW IS THAT OF A PERSON AUTHORIZED TO SIGN CONTRACTS FOR THE QUOTING COMPANY WHO HAS READ, UNDERSTANDS, AND AGREES TO COMPLY WITH THE ABOVE GENERAL TERMS AND CONDITIONS.**

**COMPANY:** \_\_\_\_\_ **SIGNATURE:** \_\_\_\_\_

**NAME:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**THIS SIGNED FORM MUST BE SUBMITTED WITH YOUR BID. FAILURE TO DO SO MAY RESULT IN YOUR BID BEING FOUND NON-RESPONSIVE.**

**REQUEST FOR QUOTE SPECIFICATIONS****Quote Number: 10DW73798C****Opening Date: June 14, 2010****Light Fixtures & Related Supplies (no installation)  
General Services Department****1. DESCRIPTION**

The Fulton County Department of Purchasing & Contract Compliance is soliciting quotes from qualified vendors to provide light fixture supplies and related items for the North Service Center Light Fixture Materials for the General Services Department.

**2. CONTACT PERSON**

Please Diann Wathington, Procurement Officer at (404) 612-1100 or by e-mail [diann.wathington@fultoncountyga.gov](mailto:diann.wathington@fultoncountyga.gov), with any procedural or technical questions. All questions should be submitted in writing to the Purchasing contact person. Any responses made by the County will be provided in writing to all Bidders by addendum. No verbal responses shall be authoritative.

You must be registered in the County's AMS System in order for the Department of Purchasing & Contract Compliance to issue your company a Purchase Order or to receive payments. If you are not a registered vendor you may access and complete the vendor application via the County's Vendor Registration website ([www.fultonvendorelfselfservice.co.fulton.ga.us](http://www.fultonvendorelfselfservice.co.fulton.ga.us)). You must provide a copy of your current Business License in order to complete the vendor registration process.

If your company is a registered vendor, you can respond to all quotes online and in real time on this website.

**3. PRODUCT/SERVICE SPECIFICATIONS**

Bidder must address all items. Do not leave blanks. Bidder should state 'No Charge' or 'No Bid' where applicable. Blank spaces are considered no offer.

The items listed on the Pricing Sheet are only a representative sample of the products that the department may purchase from the vendor, and will be used for price comparison between vendors. Fulton County does not undertake to procure a specific quantity of any item on the list. The vendor, however, shall be prepared to supply any and/or all items from the Pricing Sheet and any standard item not included in the list. Fulton County reserves the right to delete any item (s) from the award.

All materials and supplies requested by Fulton County must be of the highest quality and must conform to the appropriate UL Standard.

#### 4. PRICING SHEETS

Indicate manufacturer/brand of each item bid upon below.

<u>Item</u>	<u>Description</u>	<u>QTY</u>	<u>Unit Price</u>
1.	Air Handling Troffer -Type A3R – 2SP G D 3 32 A12125 MVOLT 1/3 GEB10IS PWS1836 LP741 APB LITHONIA - As offered by Lithonia Associate.	72	\$ _____ /ea.
2.	Air Handling Troffer -2 x Type B3 – 2SP G D 3 CF40 A 12125 MVOLT GEB10IS PWS1836 LP841 APB LITHONIA - As Offered by Lithonia Associate.	2	\$ _____ /ea.
3.	Edge-Lit Exits - 5 x Type X1 – LRP 1 RC 120/277 EL N LITHONIA - As offered by Lithonia Associate.	5	\$ _____ /ea.

**See specifications and drawings attached from Lithonia Associates.**

#### 5. SPECIAL CONDITIONS/INSTRUCTIONS

The successful bidder(s) is required to supply three (3) complete sets of manufacturer's product catalogs and price lists, including any discounts applicable to Fulton County after award.

The successful bidder(s) must furnish additional copies of above price lists and supplements of all superseding manufacturer's published price lists during the contract to Fulton County Department of General Services Department upon request and at no charge to the County.

Bidder(s) agrees to submit, upon request, relevant product data sheets to prove compliance with specifications to include key performance, materials, engineering and safety features. Literature will be properly marked with vendor's name and item number(s) as specified.

##### **Award**

Award(s) will be made to the lowest, most responsive and responsible bidder(s). Fulton County reserves the right to award contract to more than one vendor.

##### **Delivery**

Price quotes will include FOB destination (all transportation charges) to the General Services Department, Material Management, 3929 Aviation Circle, Building C, Atlanta, Georgia 30336. The bidder is required to respond to a request in accordance with the following criteria:

Is full inventory of electrical supplies available within a two hour round trip drive of the Fulton County Government Center, 141 Pryor Street, Atlanta, Georgia 30303?

Yes  No

Location of warehouse:

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Fulton County General Services Department reserves the right to reject any bidder who does not maintain an inventory within a two (2) hour round trip drive of the Fulton County Government Center located at 141 Pryor St., Atlanta, Georgia. The bidder understands that having the material/supplies named above in stock for prompt delivery will be used in selecting the successful quoter.

### **Invoicing**

Invoices shall be forwarded to the following address:

General Services Department  
Material Management  
3929 Aviation Circle, Building C  
Atlanta, GA 30336

### **6. INSURANCE & RISK MANAGEMENT PROVISIONS - N/A**



## FEATURES & SPECIFICATIONS

### INTENDED USE

Specification premium air-handling luminaires offer general illumination for recessed applications.

### CONSTRUCTION

Black reveal provides floating door appearance, conceals optional air-supply slots. Optional air flow controls available.

Standard steel doorframe has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows lens replacement without frame disassembly (for lenses up to .156" thick). Superior mechanical light seal requires no foam gasketing. Latches spring loaded, concealed in reveal.

Overlapping flange and modular ceiling trims factory-installed with standard swing-gate hangers.

Integral T-bar safety clips hold T-bar securely; no fasteners required.

Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

### FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

### ELECTRICAL SYSTEM

Thermally-protected, resetting, Class P, HPF, non-PCB, ULListed, 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.

### LISTING

UL Listed (standard). Optional: Canada CSA or C-UL. Mexico NOM.

### WARRANTY

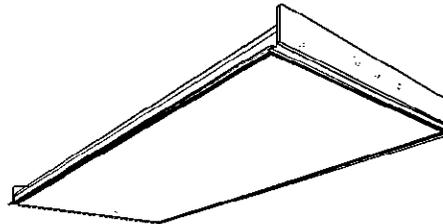
Guaranteed for one year against mechanical defects in manufacture.

NOTE: Specifications subject to change without notice.

Catalog Number	
<b>2SP G D 3 32 A12125 MVOLT 1/3 GEB10IS PWS1836</b>	
Notes	Type
LP741 APB	<b>A3R</b>

### Specification Premium Air-Handling Troffer

# SP AIR 2'X4'



2, 3, 4 or 6 Lamps

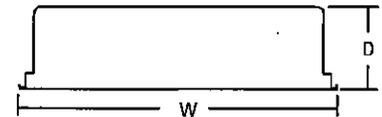
### Specifications

Length: 48 (1219)

Width: 24 (610)

Depth: 4-1/2 (114)

All dimensions are inches (millimeters).



## ORDERING INFORMATION

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

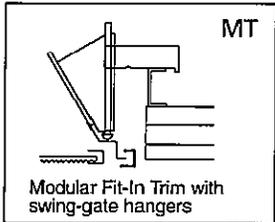
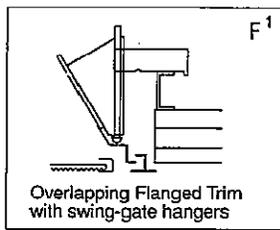
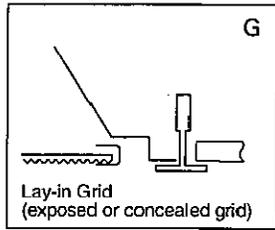
Example: 2SP G B 3 32 FW A12125 MVOLT 1/3 GEB10IS

2SP	G	D	3	32	A12125	MVOLT	1/3 GEB10IS PWS1836 LP741 APB				
<b>Series</b>		<b>Number of lamps</b>		<b>Lamp type</b>		<b>Door frame</b>		<b>Voltage</b>		<b>Options</b>	
2SP 2' wide		2 3 4 6 Not included.		32 32WT8 (48")		(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white		120 277 347 <b>MVOLT</b> Others available.		1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, <10% THD, Instant Start GEB10RS Electronic ballast, <10% THD, Rapid Start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse GMF Internal slow-blow fuse PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit LP735 Lamped; 700-series, 3500K LP741 Lamped; 700-series, 4100K LP Lamped, specify lamp type and color HRD Heat-removal dampers (H and D models only) APB Air-pattern control blades (A and D models only) ACS Air closure strips (A and D models only) PAF Painted after fabrication (white enamel) SSR Specular silver interior finish (95% reflective) CSA CSA Certified NOM NOM Certified JP Palletized and stretch-wrapped (G trim only)	
<b>Trim type</b>		<b>Air function</b>		<b>Diffuser type</b>							
G Grid F Overlapping flanged MT Modular fit-in		A Air supply/return (slots in side trim) H Heat removal (through lamp cavity, dampers available) <b>D Combination A and H</b> B Static (no air function, matching appearance)		A12 #12 pattern acrylic A12125 #12 pattern acrylic, 0.125" thick A19 #19 pattern acrylic, 0.156" thick A15 #15 pattern acrylic, 0.2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver							

# SP AIR 2'x4' Air-Handling, Straight Lamps

## MOUNTING DATA

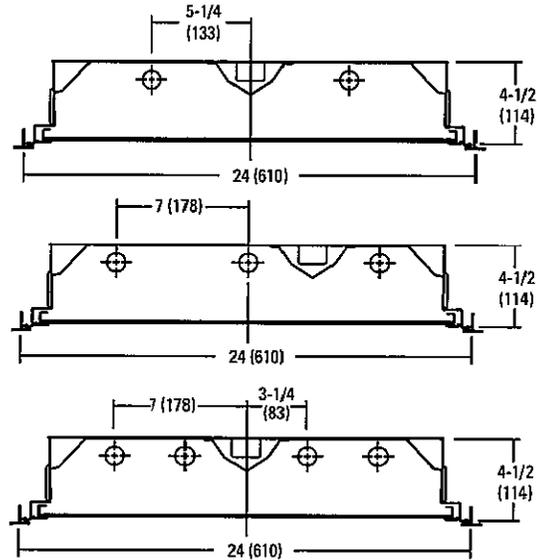
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



**NOTES:**  
1 Recommended rough-in dimensions for F trim fixtures 24"x48" (Tolerance is +1/4", -0"). Swing-gate range 1-1/4" to 3-7/16", span 23-7/16" to 26-15/16".

## DIMENSIONS

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



## PHOTOMETRICS

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

### 2SP G B 2 32 A12 GEB

Report: LTL12404  
LUMENS PER LAMP 2850  
Luminaire Efficiency: 75.4%

### 2SP G B 3 32 A12 1/3 GEB

Report: LTL12405  
LUMENS PER LAMP 2850  
Luminaire Efficiency: 71.6%

### 2SP G B 4 32 A12 GEB

Report: LTL12406  
LUMENS PER LAMP 2850  
Luminaire Efficiency: 70.9%

		Coefficients of Utilization								
		80%			50%			30%		
pl	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	90	90	90	84	84	84	80	80	80	
1	83	79	76	74	72	70	72	70	68	
2	76	70	65	66	62	59	64	61	58	
3	70	62	57	59	54	51	57	53	50	
4	64	56	50	53	48	44	51	47	43	
5	59	50	44	48	43	38	46	42	38	
6	55	45	39	43	38	34	42	37	34	
7	51	41	35	40	34	30	39	34	30	
8	48	38	32	36	31	27	35	31	27	
9	45	35	29	34	28	25	33	28	25	
10	42	32	26	31	26	23	30	26	22	

		Coefficients of Utilization								
		80%			50%			30%		
pl	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	85	85	85	80	80	80	76	76	76	
1	79	75	73	71	69	67	68	66	65	
2	72	67	62	63	59	56	61	58	55	
3	66	59	54	56	52	48	54	50	47	
4	61	53	47	50	46	42	49	45	41	
5	56	48	42	45	40	37	44	40	36	
6	52	43	37	41	36	32	40	36	32	
7	49	39	33	38	33	29	37	32	29	
8	45	36	30	35	30	26	34	29	26	
9	42	33	28	32	27	24	31	27	23	
10	40	31	25	30	25	22	29	25	21	

		Coefficients of Utilization								
		80%			50%			30%		
pl	pc	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	84	84	84	79	79	79	75	75	75	
1	78	75	72	70	68	66	67	66	64	
2	71	66	62	62	59	56	60	57	55	
3	66	59	53	56	51	48	54	50	47	
4	61	53	47	50	45	42	48	44	41	
5	56	47	41	45	40	36	44	39	36	
6	52	43	37	41	36	32	40	35	32	
7	48	39	33	37	32	29	36	32	29	
8	45	36	30	34	29	26	34	29	26	
9	42	33	27	32	27	23	31	27	23	
10	40	31	25	29	25	21	29	24	21	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1390	24.4	32.4
0° - 40°	2263	39.7	52.7
0° - 60°	3671	64.4	85.5
0° - 90°	4296	75.4	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4296	75.4	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	2005	23.5	32.8
0° - 40°	3230	37.8	52.8
0° - 60°	5226	61.1	85.4
0° - 90°	6120	71.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	6120	71.6	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	2659	23.3	32.9
0° - 40°	4293	37.7	53.1
0° - 60°	6920	60.7	85.6
0° - 90°	8088	70.9	100.0
90° - 180°	0	0.0	0.0
0° - 180°	8088	70.9	100.0

Energy (Calculated in accordance with NEMA standard LE-5)

LER	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	DALLAST FACTOR	WATTS
66	\$3.66	(2) 32W T8	2850	.86	56
68	\$3.55	(3) 32W T8	2850	.89	81
66	\$3.64	(4) 32W T8	2850	.88	108

\* Comparative yearly lighting energy cost per 1000 lumens



An Acuity Brands Company

Sheet #: SP-Air-2x4

©1995 Acuity Brands Lighting, Inc., Rev. 10/31/07

Lithonia Lighting

Fluorescent  
One Lithonia Way, Conyers, GA 30012  
Phone: 800-858-7763  
www.lithonia.com



## FEATURES & SPECIFICATIONS

### INTENDED USE

Specification premium air-handling luminaires offer general illumination for recessed applications.

### CONSTRUCTION

Black reveal provides floating door appearance, conceals optional air-supply slots. Optional air flow controls available.

Standard steel doorframe has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows lens replacement without frame disassembly (for lenses up to .156" thick). Superior mechanical light seal requires no foam gasketing. Latches spring loaded, concealed in reveal.

Overlapping flange and modular ceiling trims factory-installed with standard swing-gate hangers.

Integral T-bar safety clips hold T-bar securely; no fasteners required.

Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

### FINISH

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

### ELECTRICAL SYSTEM

Thermally-protected, resetting, Class P, HPF, non-PCB, 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.

### LISTING

UL Listed (standard). Optional: Canada CSA or C-UL. Mexico NOM.

### WARRANTY

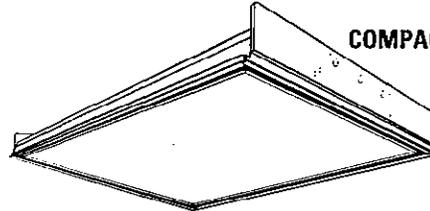
Guaranteed for one year against mechanical defects in manufacture.

NOTE: Specifications subject to change without notice.

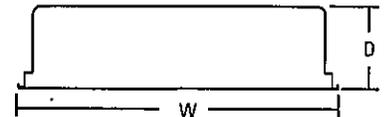
Catalog Number 2SP G D 3 CF40 A12125 MVOLT GEB10IS PWS1836 LP741 APB	
Notes	Type B3

Specification Premium Air-Handling Troffer

# SP AIR 2'X2'



**COMPACT FLUORESCENT AND NARROW U-LAMPS**  
2, 3 or 4 Lamps



### Specifications

Length: 24 (610)

Width: 24 (610)

Depth: 4-1/2 (114)

All dimensions are inches (millimeters).

## ORDERING INFORMATION

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

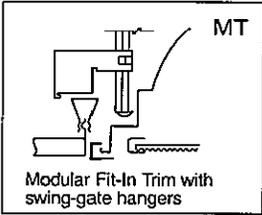
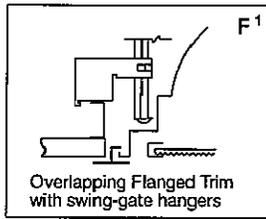
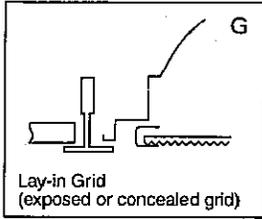
Example: 2SP G B 3 U31 A12125 MVOLT 1/3 GEB10IS

<b>2SP</b>	<b>G</b>	<b>D</b>	<b>3</b>	<b>CF40</b>	<b>A12125</b>	<b>MVOLT</b>	<b>GEB10IS PWS1836 LP841 APB</b>
Series			Number of lamps	Lamp type	Door frame	Voltage	Options
<b>2SP 2' wide</b>			2 <b>3</b> 4 Not included.	<b>U31 31W T8-U (24")</b> <b>CF40 40W TT (24")</b>	(blank) <b>Flush steel, white</b> FN Flush aluminum, natural FM Flush aluminum, matte black <b>FW Flush aluminum, white</b> RN Regressed aluminum, natural RM Regressed aluminum, matte black <b>RW Regressed aluminum, white</b>	120 277 347 <b>MVOLT</b> Others available.	<b>1/3 One 3-lamp ballast</b> <b>GEB10IS Electronic ballast, ≤10% THD, Instant Start</b> <b>GEB10RS Electronic ballast, ≤10% THD, Rapid Start</b> <b>EL Emergency battery pack (nominal 300 lumens)</b> GLR Internal fast-blow fuse GMF Internal slow-blow fuse <b>PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit</b> <b>LP835 Lamped; 800-series, 3500K</b> <b>LP841 Lamped; 800-series, 4100K</b> HRD Heat-removal dampers (H and D models only) <b>APB Air-pattern control blades (A and D models only)</b> ACS Air closure strips (A and D models only) PAF Painted after fabrication (white enamel) SSR Specular silver interior finish (95% reflective) CSA CSA Certified NOM NOM Certified JP Palletized and stretch-wrapped, (G trim only)
Trim type							
<b>G Grid</b> F Overlapping flanged MT Modular fit-in							
Air function							
<b>A Air supply/return (slots in side trim)</b> H Heat removal (through lamp cavity, dampers available)							
<b>D Combination A and H</b> B Static (no air function, matching appearance)							
					Diffuser type		
					<b>A12 #12 pattern acrylic</b> <b>A12125 #12 pattern acrylic, 0.125" thick</b> <b>A19 #19 pattern acrylic, 0.156" thick</b> A15 #15 pattern acrylic, 0.2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver w/flange PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/flange PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver w/flange		

# SP Air 2'x2' Air-Handling, Compact Fluorescent and Narrow U-Lamps

## MOUNTING DATA

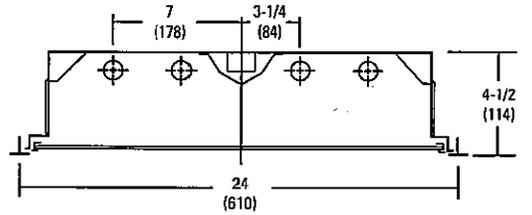
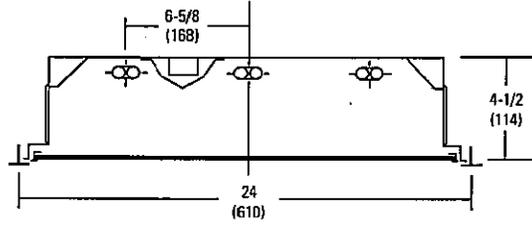
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTES:  
1 Recommended rough-in dimensions for F trim fixtures 24"x24" (Tolerance is +1/4", -0"). Swing-gate range 1-1/4" to 3-7/16", span 23-7/16" to 26-15/16".

## DIMENSIONS

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



## PHOTOMETRICS

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

**2SP G B 3 U31 A12 1/3 GEB**  
Report: LTL12407  
LUMENS PER LAMP:2725  
Luminaire Efficiency:61.6%

**2SP G B 2 CF40 A12 GEB**  
Report: LTL12409  
LUMENS PER LAMP:3150  
Luminaire Efficiency:73.1%

		Coefficients of Utilization										
		20%										
pc	80%	50%		30%		50%		30%		10%		
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	73	73	68	68	66	66	66	66	66	66	66	66
1	68	65	63	61	59	58	59	57	56	56	56	56
2	62	58	54	54	51	49	52	50	48	48	48	48
3	57	51	47	48	45	42	47	44	41	41	41	41
4	53	46	41	44	40	36	42	39	36	36	36	36
5	49	41	36	39	35	32	38	35	32	32	32	32
6	45	38	32	36	32	28	35	31	28	28	28	28
7	42	34	29	33	29	25	32	28	25	25	25	25
8	39	31	26	30	26	23	29	26	23	23	23	23
9	37	29	24	28	24	21	27	23	21	21	21	21
10	35	27	22	26	22	19	25	22	19	19	19	19

		Coefficients of Utilization										
		20%										
pc	80%	50%		30%		50%		30%		10%		
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	87	87	87	81	81	81	81	81	81	81	81	81
1	80	77	74	72	70	68	70	68	66	66	66	66
2	74	68	64	64	61	58	62	59	57	57	57	57
3	68	61	55	58	53	50	56	52	49	49	49	49
4	63	55	49	52	47	43	50	46	43	43	43	43
5	58	49	43	47	42	38	45	41	38	38	38	38
6	54	45	38	43	37	34	41	37	33	33	33	33
7	50	41	35	39	34	30	38	33	30	30	30	30
8	47	37	31	36	31	27	35	30	27	27	27	27
9	44	34	29	33	28	25	32	28	24	24	24	24
10	41	32	26	31	26	22	30	25	22	22	22	22

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1703	20.8	33.8
0° - 40°	2726	33.3	54.2
0° - 60°	4325	52.9	85.9
0° - 90°	5034	61.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	5034	61.6	100.0

**Zonal Lumen Summary**

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1543	24.5	33.5
0° - 40°	2504	39.7	54.4
0° - 60°	3975	63.1	86.3
0° - 90°	4604	73.1	100.0
90° - 180°	0	0.0	0.0
0° - 180°	4604	73.1	100.0

**Energy** (Calculated in accordance with NEMA standard LE-5)

LER,FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
60	\$3.97	(3) 31WU T8	2725	.89	75
64	\$3.76	(2) 40W TT	3150	.93	67

\* Comparative yearly lighting energy cost per 1000 lumens



An Acuity Brands Company

**Lithonia Lighting**  
Fluorescent  
One Lithonia Way, Conyers, GA 30012  
Phone: 800-858-7763  
www.lithonia.com



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Suitable for architectural applications where aesthetics and superior performance are required.

**CONSTRUCTION** — High-polish, injection-molded virgin acrylic panel, ultrasonically welded to eliminate visible hardware. Graduated depth of molded letters provides uniform light distribution on graphics.

Standard housing finish is brushed aluminum.

Precision-molded, textured letters — 6" high with 3/4" stroke. Chevron indicator direction must be specified.

Recessed rough-in section constructed of 20-gauge, die-formed galvanized steel. Extruded aluminum housing trim mounts flush onto wall or ceiling.

**LAMPS** — LEDs mounted on printed circuit board. Expected lamp life more than 25 years.

Low energy consumption — only 2.3W for 120V single-face red sign; 1.7W for 120V single-face green sign.

**BATTERY** — Sealed, maintenance-free nickel cadmium battery delivers 90 minutes capacity to lamp. Constant-current series charger, 24-hour recharge after 90-minute discharge.

Polarized battery connector simplifies installation and maintenance; prevents charger damage due to improper connection.

**INSTALLATION** — Recessed mount — universal rough-in section for back, ceiling or end mounting. Fits into minimum wall or ceiling opening 13-5/8" L x 4-1/2" W x 3-1/8" D.

Adjustable T-bar hangers adapt mounting tray for mounting in suspended ceilings or variable-size framed openings. Trim ring has 3/4" variable depth adjustment to ensure flush fit against surface of wall or ceiling.

Plug-in wire connections and self-captive mounting screws for mounting panel/trim to rough-in section.

**LISTING** — UL listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards, and State of Minnesota requirements for less than 20W energy consumption. Meets Energy Star standards (must have a white or mirrored background).

**WARRANTY** — Five-year on exit, including lamps.

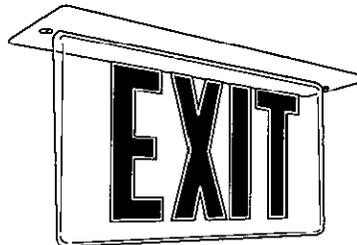
Catalog Number		LRP 1 RC 120/277 EL N	
Notes		Type	X1

**PRECISE**  
COLLECTION

Edge-Lit Exits

# LRP EL N

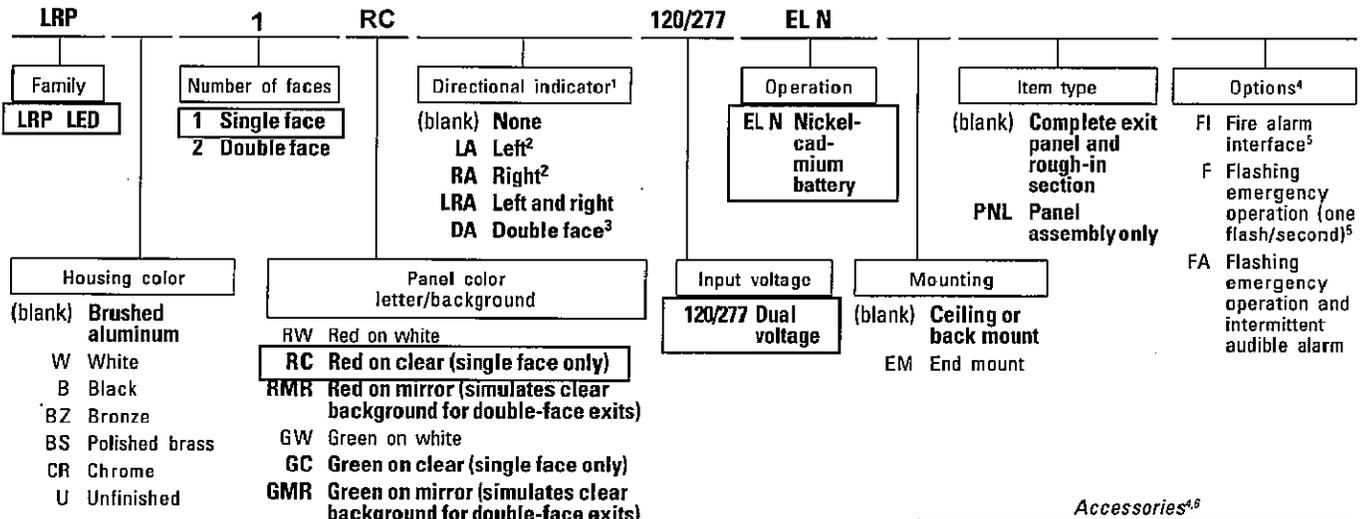
LED LAMPS EMERGENCY



## ORDERING INFORMATION

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

Example: LRP 1 RMR LA 120/277 EL N



**NOTES:**

- See chart on back for more information.
- Only available with single face.
- Only available with double face.
- When ordering rough-in separately, all options must be included with rough-in nomenclature. Example: ELA R LRIS 120/277 EL N FA
- Choice of F or FI. Not available with both.
- Rough-in supplied standard with exit unless PNL suffix is specified. Order separately only if needed for early installation.

- Order as separate item.
- ELA R LRIS 120/277 EL N Single-face, red LED emergency rough-in section
  - ELAG LRIS 120/277 EL N Single-face, green LED emergency rough-in section
  - ELAR 2LRIS 120/277 EL N Double-face, red LED emergency rough-in section
  - ELAG 2LRIS 120/277 EL N Double-face, green LED emergency rough-in section

Emergency

Sheet#: LRP EL N

ELEX - 110

# LRP EL N Precise® LED Exit Signs

## SPECIFICATIONS

### ELECTRICAL

#### LED Lamp

Panel Color	LED rated life <sup>1</sup>	Supply voltage	Number of faces	Input watts	Max. amps
Red	25+ years	120	1	2.3	.093
		277	1	2.7	.095
Red	25+ years	120	2	3.2	.084
		277	2	3.9	.094
Green	25+ years	120	1	1.7	.07
		277	1	1.9	.07
Green	25+ years	120	2	3.7	.14
		277	2	3.8	.14

### BATTERY

#### Sealed Nickel-Cadmium

Shelf life <sup>2</sup>	Expected life <sup>2</sup>	Maintenance	Optimum temperature <sup>3</sup>
3 years	7-10 years	none <sup>4</sup>	32-100°F

#### Notes:

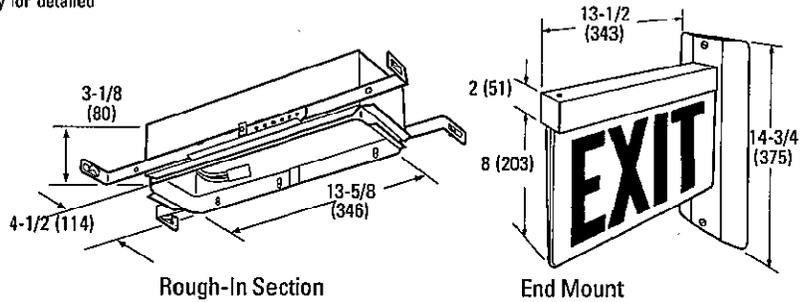
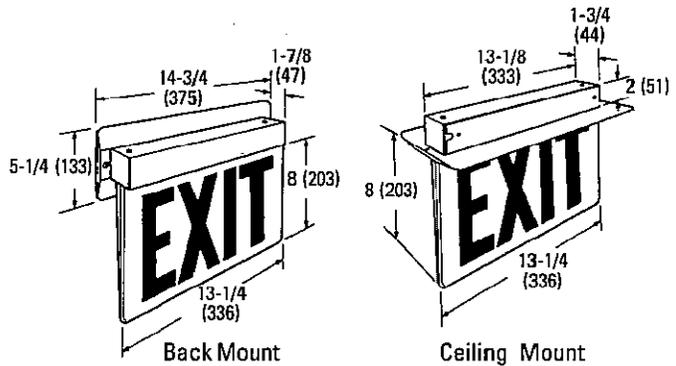
- 1 Based on continuous operation.
- 2 At 77°F.
- 3 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.
- 4 Periodic system status test recommended.

### Directional Indicators

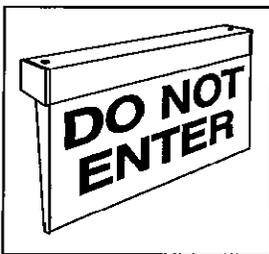
Specification (add to catalog number)	Graphics	
	Back	Front
LA		
RA		
LRA (single face)		
DA		
LRA (double face)		

## MOUNTING

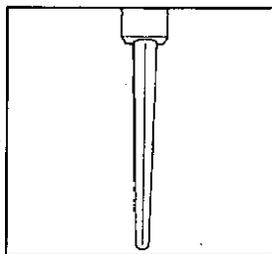
All dimensions are in inches (millimeters).  
 Shipping weight for panel: 5 lbs. (2.3 kgs.)  
 Shipping weight for rough-in section: 5.8 lbs. (2.6 kgs.)



## KEY FEATURES



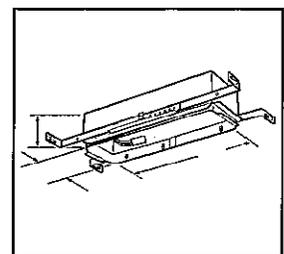
Silk-screening process allows customized text and/or graphics.



Unique wedge-shaped panel design concentrates light for uniform letter illumination.



Trim fits flush against wall or ceiling for clean, attractive appearance.



Small rough-in section.



An Acuity Brands Company

Sheet #: LRP EL N

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Lithonia Lighting

Emergency Lighting Systems  
 One Lithonia Way, Conyers, GA 30012  
 Phone: 800-334-8694 Fax: 770-981-08141  
 www.lithonia.com