



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000131118- PURCHASE OF FLAT PANEL LED LIGHT FIXTURES FOR
THE JEFFERSON PARISH GENERAL SERVICES DEPARTMENT**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
27-May-2020 02:30:38 PM



Bid Number 50-131118

**Purchase of flat panel LED light fixtures for the Jefferson Parish
General Services Department**

June 3, 2020 at 11:00 am

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053**

**Buyer Name: Rae Lynn Hartman
Buyer Email: rscott@jeffparish.net
Buyer Phone: 504-364-2688**

DATE: 5/27/2020

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00131118

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: RSCOTT@jeffparish.net

Bids will be received until 11:00 AM, 6/03/2020 via online at www.jeffparishbids.net or by hand delivery, USPS mail or other courier service to Purchasing Department, 200 Derbigny Street (General Government Building), Suite 4400, Gretna, LA 70053. For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

DATE: 5/27/2020

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00131118

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: RSCOTT

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

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JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>30 days</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>n/a</u>
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>n/a</u>

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

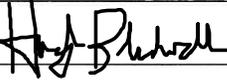
Acknowledge Receipt of Addenda: NUMBER: n/a

NUMBER: _____

NUMBER: _____

NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: Blackstar Diversified Enterprises	
SIGNATURE: (Must be signed here) 	TITLE: Owner
PRINT OR TYPE NAME: Hugh Blackwell	
ADDRESS: 11131 Winchester Park Drive	
CITY, STATE: New Orleans, LA	ZIP: 70128
TELEPHONE: (703) 474-2563	FAX: (504) 265-9919
EMAIL ADDRESS: hugh@blackstardiversified.net	

TOTAL PRICE OF ALL BID ITEMS: \$ 4,576.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00131118

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	80.00	EA	Purchase of flat panel LED light fixtures for the Jefferson Parish General Services Department 0010 - WESTGATE 2X4 PANEL 4000K 50W 6260LM 0-10V DIM 120-277V DLC 4.0 MPN: LP-2X4-50W-40K-D-HL	40.85	3,268.00
2	20.00	EA	0020 - WESTGATE 2X2 PANEL 4000K 50W 5280LM 0-10V DIM 120-277V DLC 4.0 MPN: LP-2X2-40W-40K-D-HL	65.40	1,308.00
<p>ORDERED BY/FOR: E.ROMAIN</p> <p>SPECIFICATIONS ATTACHED</p> <p>CONTACT: J.P. GENERAL SERVICES ATTN: ERIC ROMAIN 1221 ELMWOOD PARK BLVD JEFFERSON, LA 70123 (504)736-6036</p> <p>Specifications Attached :</p> <p>Patriot LED</p> <p>PP-2X4-50W CDS</p> <p>PP-2x2-40W CDS</p>					

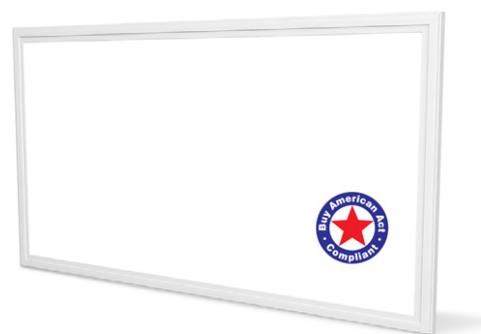
DATA SHEET: LED PANEL

General illumination typically used to replace 2x2 and 2x4 fluorescent troffers. The Patriot Panel is designed to lay-in drop ceilings in offices, schools, showrooms, airports, retail locations, and healthcare facilities. Ultra modern design with an industry leading 140 lumens per watt, the PATRIOT LED PANEL is the ideal fluorescent lay-in replacement.

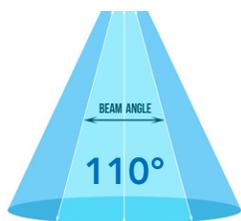
Our PATRIOT LED PANELS are backed with our industry-leading 100,000-hour rated lamp life and 10-year warranty. See Ordering Model table below for our BAA compliant products. Contact us for pricing or more information.

PRODUCT BENEFITS

- Proudly assembled in USA. Buy American Act (BAA) & TAA (Trade Agreement Act) Compliant.
- Edge-lit LED array with translucent diffuser provides uniform illumination.
- Ultra-slim Aluminum Frame – <0.5inch.
- Custom color temps available.
- UL, cUL, TUV, DLC 4.2 listed.
- LM-79, and IES available upon request.
- 100,000 hour L70 lifespan.
- Lumen efficacy is greater than 140+ lumen/watt.
- External UL Listed Class-2 Constant Current Driver.
- Universal Voltage: 100-277V. *100-382V available.
- Multiple mounting options.
- Suitable for damp locations.
- 0-10V dimming.
- SMD 2835 LED chips.
- Premium Meanwell Driver available upon request.
- Limited Warranty: 5 year (10 year optional).

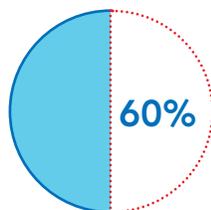


BEAM ANGLE



Patriot LED Light Distribution

CAN DECREASE ENERGY USAGE BY



vs. Similar Fluorescent Lamps

WARRANTY



Our Industry-Leading 10-Year Limited Warranty Guarantees Unsurpassed Quality

APPLICATIONS

- Office
- Healthcare
- Commercial
- Industrial
- Airport
- Conference Room
- Education
- Government
- Showroom
- Hotel

ORDERING MODEL

PATRIOT PANEL	LENGTH	DIMMABLE	WATTAGE	INPUT TYPE	CCT	ADDITIONAL MATERIAL
PP	1x1	D	18W	BI = Bi-level Driver Fixed = Blank	3000K	Emergency Driver = EM Surface Mount Kit = SM OC = Occ Sensor
	1x2		20W		3500K	
	1x4		30W		4000K	
	2x2		40W		5000K	
	2x2		50W		7000K	
	2x4		60W		75W	
Product Code: example						
PP -1x4-40W CDS						



DATA SHEET: LED PANEL

PRODUCT SPECIFICATION

Product No.	BAA/TAA Option*	Rated Lamp Wattage	Input Voltage	Color Temp (K)	Rated Lumens	Rated Efficacy	CRI	Beam Angle	Rated Life (Hours)	Operating Temp. (°F)	Power Factor
1ft X 1ft PATRIOT LED PANEL											
PP-1X1-18W CDS	Yes	18	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	2,160	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-1X1-20W CDS	Yes	20	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	2,400	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
1ft X 2ft PATRIOT LED PANEL											
PP-1X2-20W CDS	Yes	20	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	2,400	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-1X2-25W CDS	Yes	25	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	3,000	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-1X2-30W CDS	Yes	30	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	3,600	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
1ft X 4ft PATRIOT LED PANEL											
PP-1X4-30W CDS	Yes	30	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	3,600	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-1X4-40W CDS	Yes	40	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	4,800	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-1X4-60W CDS	Yes	60	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	7,200	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
2ft X 2ft PATRIOT LED PANEL											
PP-2X2-20W CDS	Yes	20	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	2,400	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X2-30W CDS	Yes	30	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	3,600	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X2-40W CDS	Yes	40	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	4,800	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X2-60W CDS	Yes	60	100-277/100-382VAC	3000K-7000K	7,200	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
2ft X 4ft PATRIOT LED PANEL											
PP-2X4-30W CDS	Yes	30	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	3,600	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X4-40W CDS	Yes	40	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	4,800	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X4-50W CDS	Yes	50	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	6,500	>140	>80	110°	100,000	-30°C to 45°C	> 0.9
PP-2X4-75W CDS	Yes	75	100-277/100-382VAC	3000K/3500K/4000K 5000K/7000K	9750	>140	>80	110°	100,000	-30°C to 45°C	> 0.9

PHYSICAL DATA

Product No.	Material Usage	Lens	Packing/carton	Certification
PATRIOT LED PANEL				
PP-1X2-20W CDS	RoHS Compliant; no mercury	Clear, Frosted	2	DLC V4.2, UL, cUL and Lighting Facts
PP-1X4-40W CDS	RoHS Compliant; no mercury	Clear, Frosted	2	DLC V4.2, UL, cUL and Lighting Facts
PP-2X2-30W CDS	RoHS Compliant; no mercury	Clear, Frosted	2	DLC V4.2, UL, cUL and Lighting Facts
PP-2X4-75W CDS	RoHS Compliant; no mercury	Clear, Frosted	2	DLC V4.2, UL, cUL and Lighting Facts

DATA SHEET: LED PANEL

INSTALLATION INSTRUCTION

To Dear client:

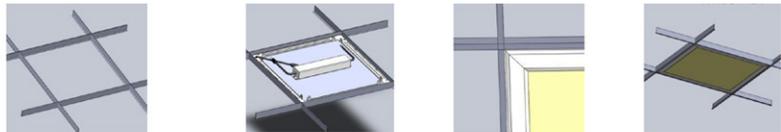
Thank you very much to purchase our lighting products, in order to ensure that you fully understand to use this product safely and properly, please be sure to read the instructions carefully. Meanwhile, please keep this manual carefully for future reference.

Cautions:

1. The panel light must connect to the constant current led driver with the same power of the light, its input voltage is AC100-240V(AC200-240),50/60HZ.
2. When replace the led driver, please take note to the power that marked on the label, larger than a specific power of the driver cannot be used.
3. For installation or maintenance, please cut off power supply, before turn it on, must confirm the light source and electrical installation is right connected.
4. It is forbidden to install this panel lights on the ceiling that is easy damaged or easy deformation.
5. No matter what circumstances, the panel lights can't be covered by thermal insulation material, or similar materials.
6. When an exception occurs, please quickly cut off the power and contact the distributor.
7. The product is only suitable for indoor use, under using or just cut off the power, please don't touch the light.
8. Any maintenance should be performed by trained professionals only.

Installation instruction:

a: Recessed



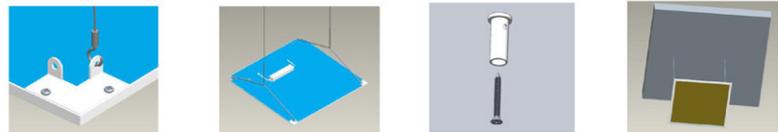
- 1- Lay the fixture into the framework;
- 2- Connect the power output and the lamp cap;
- 3- Connect to the mains to finish the installation.

b: Jump ring



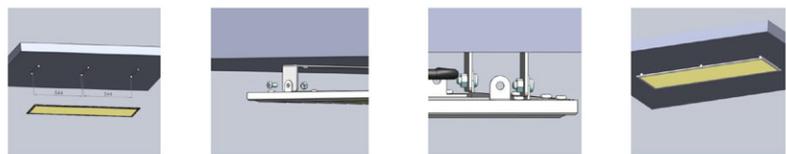
- 1- Fix the 4 circlips with screws and nuts to the panel light;
- 2- Connect the power output and the lamp cap, access to the mains;
- 3- Cock the circlips to the ceiling to complete the installation.

c: Suspended



- 1- Thread the steel wire rope into the indices of the panel light, nested the half part of the mounting on the steel wire rope (you can adjust the depth by pressing the lower tubule);
- 2- Fixed the upper part of the sucker under the ceiling with several screws;
- 3- Thread the upper part of the sucker with the steel wire rope, thread the steel wire rope out from flank,(you can adjust the suspending height by stretching the steel wire rope outside the hole),and then access the alternating current((AC100-240V)), joint up the DC male port of the power with the DC female port of the light.

d : Mounted



- 1- Drive expansion plug to ceiling(as pic1)
- 2- Connect the power output and the lamp cap, use the screws to fix it(as pic 2 and pic 3) to complete the installation.

LED EMERGENCY DRIVER (184500, 184501)

PRODUCT BENEFITS

- For normal operation and emergency operation of LEDs, no need extra LED driver.
- Constant current, multi-current selectable output.
- Normal mode LED soft start, emergency mode conversion within 0.3 seconds.
- 1-10V dimmable; DALI dimmable.
- Emergency mode can choose 25%, 50%, 75%, 100% output of normal mode.
- Auto Test.
- Slim aluminium housing.
- Suitable for indoor, dry and damp applications.
- Class I.
- CE & UL approved.
- Conform to RoHS.



	1	2	3	Current		1	2	3	Current
I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	150mA	I	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	600mA
II	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	250mA	II	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	700mA
III	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	300mA	III	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	750mA
IV	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	350mA	IV	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	800mA
V	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	400mA	V	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	850mA
VI	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	450mA	VI	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	900mA
VII	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	500mA	VII	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	950mA
VIII	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	600mA	VIII	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	1000mA

184500

184501

The current can be configured by choosing the correct combination of the DIP switches.

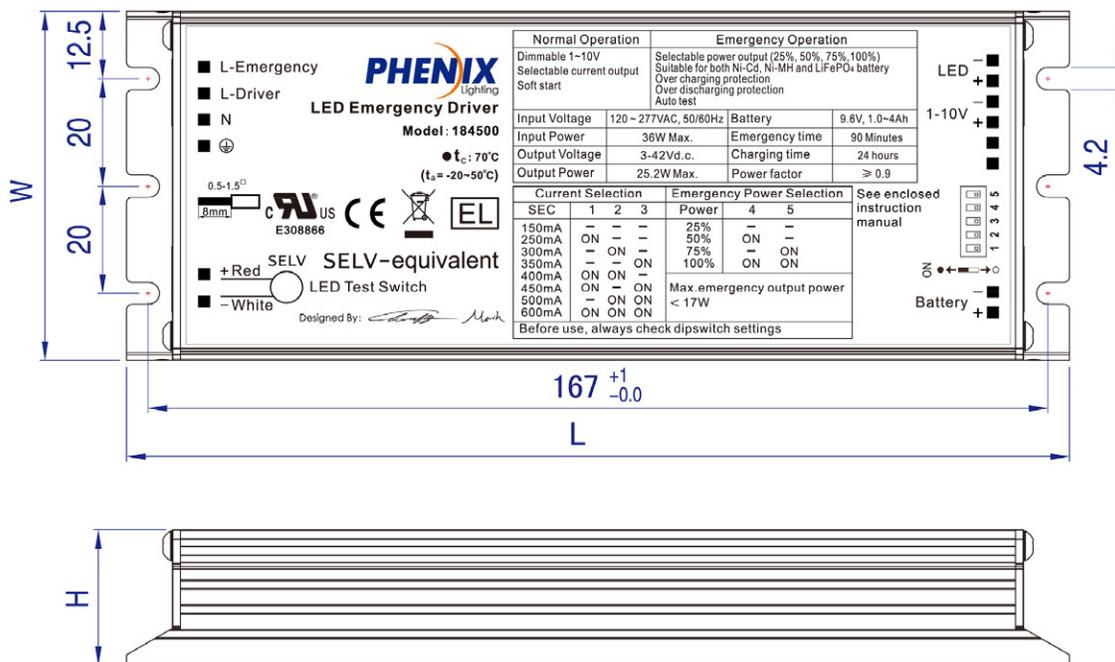




CHARACTERISTICS

Specification	184500	184501
Rated voltage	120-277VAC 50/60Hz	120-277VAC 50/60Hz
Rated current	0.3A (Max)	0.5A (Max)
Rated power	36W (Max)	59W (Max)
Emergency output power	<17W	<17W
Output voltage	3~42VDC	3~42VDC
Operation frequency	320kHz \geq f \geq 50kHz	320kHz \geq f \geq 50kHz
Power Factor	\geq 0.9	\geq 0.9
Battery	1.0-4Ah, 9.6V Ni-Cd/Ni-MH/LiFePO4	1.0-4Ah, 9.6V Ni-Cd/Ni-MH/LiFePO4
Charging time	24 Hours	24 Hours
Discharge time	>90 Minutes	>90 Minutes
Charging current	0.18A (Max)	0.18A (Max)
Life time	5 years	5 years
Charging cycles	>500	>500
Operation temperature	Ta: -20~50°C Tc: 70°C	Ta: -20~50°C Tc: 70°C
Output current	150mA, 250mA, 300mA, 350mA, 400mA, 450mA, 500mA, 600mA \pm 3%	600mA, 700mA, 750mA, 800mA, 850mA, 900mA, 950mA, 1000mA \pm 3%
Efficiency	80%	80%
Abnormal protection	Over load, Inrush current limiting, over temperature, open circuit, short-circuit Protection with auto-reset	Over load, Inrush current limiting, over temperature, open circuit, short-circuit Protection with auto-reset
Wire	1.5~2.5mm ²	1.5~2.5mm ²
EMC& EMF standard	EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3; EN 62493	EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3; EN 62493
Safety standard	EN 61347-1, EN 61347-2-13, EN 61347-2-7, UL924	EN 61347-1, EN 61347-2-13, EN 61347-2-7, UL924

DIMENSION 184500

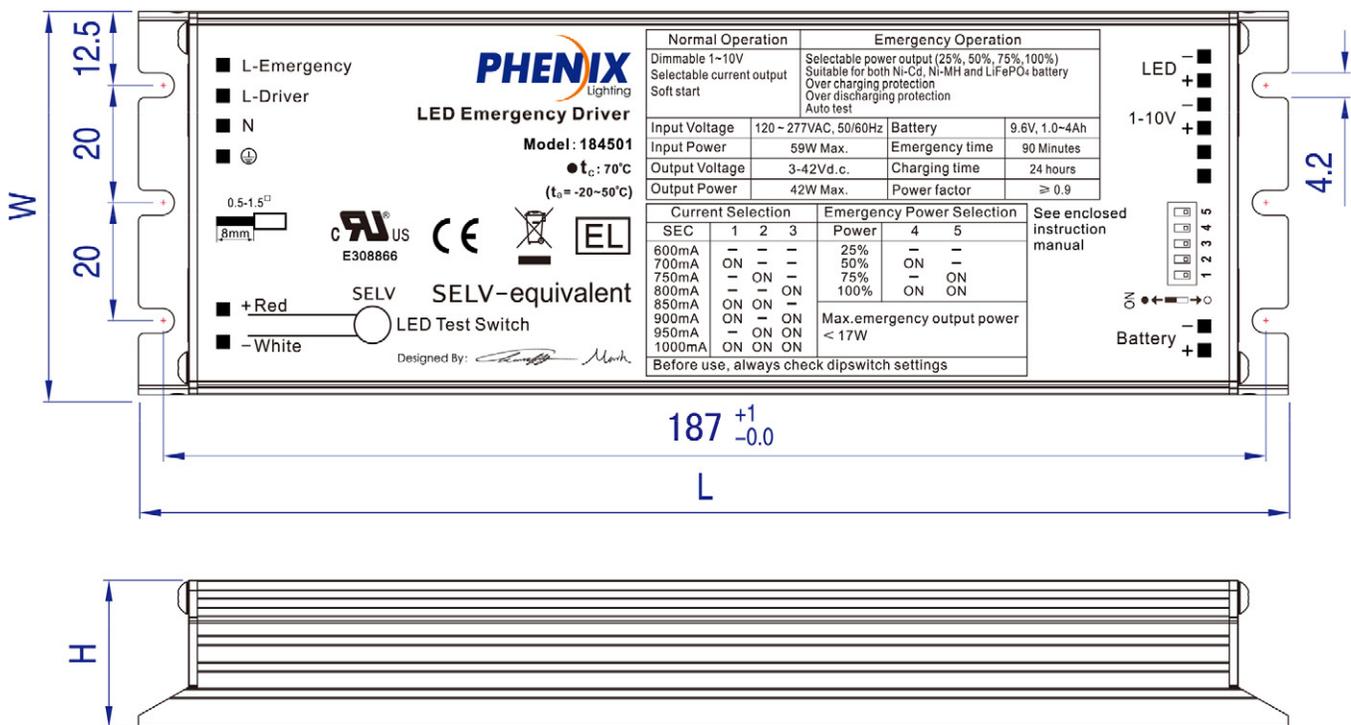


ITEM NO.	L	W	H
184500	175	65	22

Notes:

1. Dimension unit: mm
2. Dimension tolerance: ±0.2mm

184501



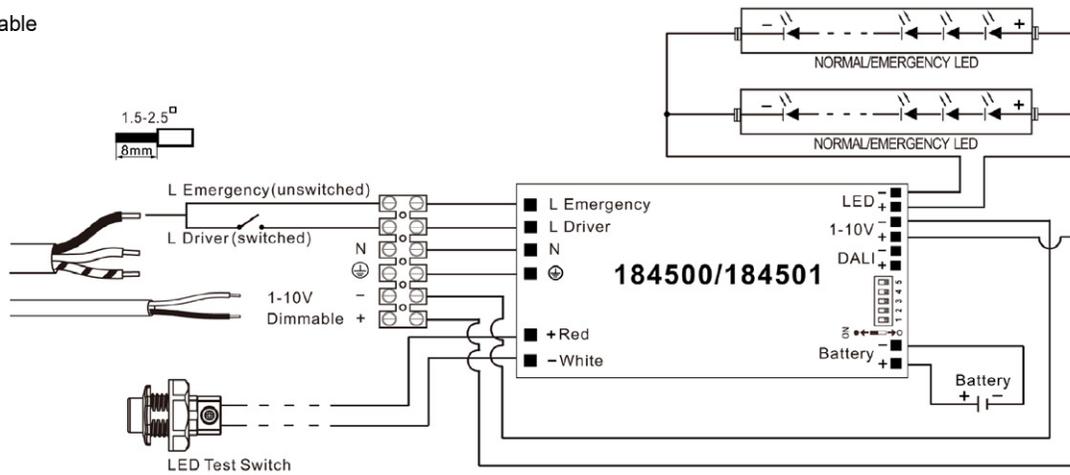
ITEM NO.	L	W	H
184501	195	65	22

Notes:

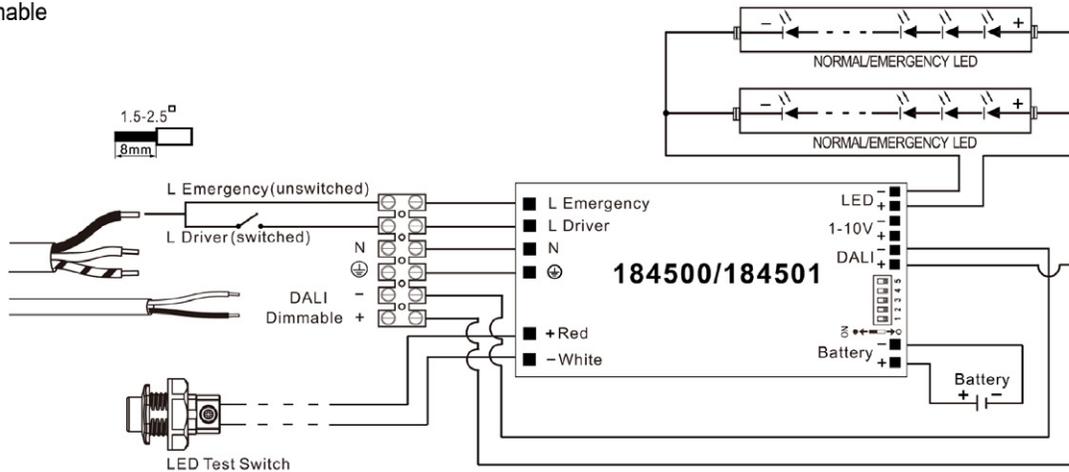
1. Dimension unit: mm
2. Dimension tolerance: ±0.2mm

CONNECTION DIAGRAM

For 1-10V Dimmable



For DALI Dimmable



BATTERY SELECTION

Emergency time >90 Minutes
Output voltage 42VDC

BATTERY FOR 184500				
CURRENT (mA)	Emergency Power Rate			
	25%	50%	75%	100%
	9.6V battery(Ah)	9.6V battery(Ah)	9.6V battery(Ah)	9.6V battery(Ah)
150	1.00	1.00	1.00	1.50
250	1.00	1.50	2.00	3.00
300	1.00	1.50	2.00	3.00
350	1.00	2.00	3.00	3.00
400	1.00	2.00	3.00	4.00
450	1.00	2.00	3.00	4.00
500	1.00(<5W)	3.00	4.00	4.00
600	1.00(<5W)	3.00	4.00	4.00

UL approved batteries: 1.00Ah Ni-Cd AA, 1.50Ah Ni-Cd SC, 2.00Ah Ni-Cd SC, 4.00Ah Ni-Cd D



BATTERY FOR 184501

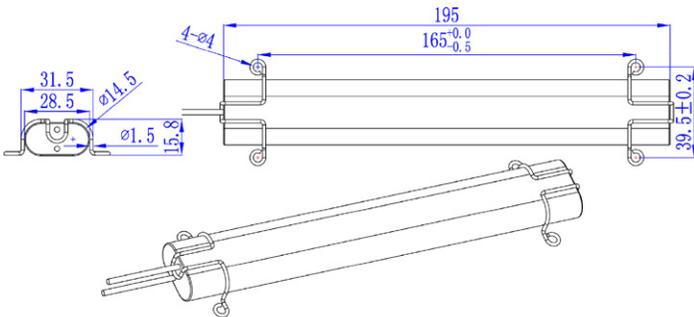
CURRENT (mA)	Emergency Power Rate			
	25%	50%	75%	100%
	9.6V battery(Ah)	9.6V battery(Ah)	9.6V battery(Ah)	9.6V battery(Ah)
600	1.50	3.00	4.00	4.00
700	2.00	3.00	4.00	4.00
750	2.00	4.00	4.00	4.00
800	2.00	4.00	4.00	4.00
850	2.00	4.00	4.00	4.00
900	2.00	4.00	4.00	4.00
950	2.00(<10W)	4.00	4.00	4.00
1000	2.00(<10W)	4.00	4.00	4.00

UL approved batteries: 1.00Ah Ni-Cd AA, 2.00Ah Ni-Cd SC, 4.00Ah Ni-Cd D

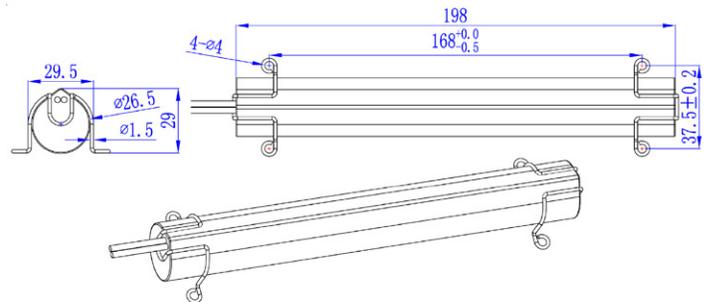
Note: Max. emergency output power <17W

BATTERY DIMENSION

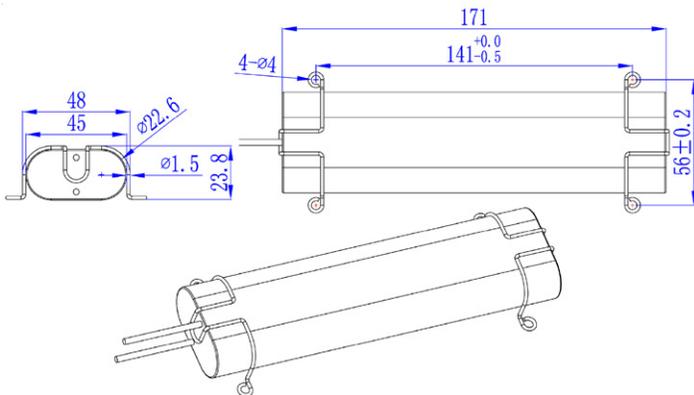
Battery Ni-Cd AA 9.6V 1Ah



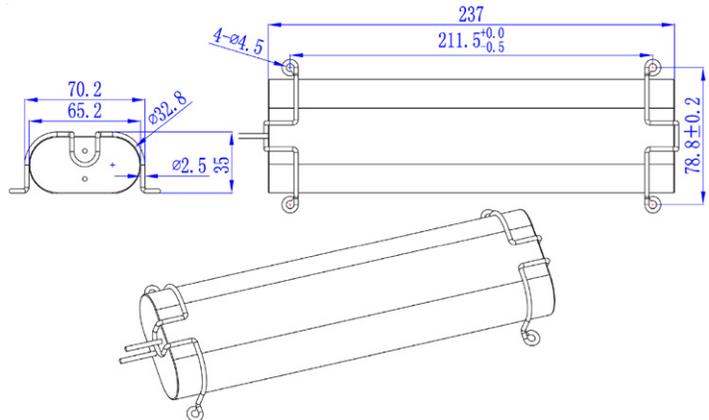
Battery LiFePO₄ 9.6V 3Ah



Battery Ni-Cd SC 9.6V 1.5/2Ah



Battery Ni-Cd D 9.6V 4Ah



AUTO TEST

1. INSTANT AUTO TEST

When the system is connected well and powered on, the module will Auto Test if the load and battery pack are connected well and if the battery is being charged normally. If there is any abnormal situation, the LED Signal Lamp (LSL) is flickering. When the abnormality is removed, the LSL indicates normally.

2. PREPROGRAMMED SCHEDULED AUTO TEST

- Carry out first monthly Auto Test after Initial power on for 24 hours to 7 days, afterwards, carry out a monthly Auto Test every 30 days.
- Carry out an annual Auto Test every 52 weeks after first powered on.
- Auto Test timing

To reduce the conflict that Auto Test is executed when the lighting is in use, the preprogrammed scheduled Auto Test will be executed 2 hours later than the normal operation is disconnected (switched off). For applications where lightings remain illuminated, the module will postpone the scheduled test accordingly, but should not later than the preprogrammed scheduled latest test time.

- Monthly Auto Test

Monthly Auto Test should be executed every 30 days and to test:

- If the switchover of normal and emergency mode is normal;
- If the emergency function and battery's charging and discharging condition is normal;
- Auto Test time is about 30 seconds.

- Annual Auto Test

Annual Auto Test should be executed after 24 hours full charging and to test:

- If the battery's voltage is equal or higher than the limit after 24 hours full charging;
- If the emergency operation time is over 90 minutes;
- If the battery voltage after 90 minutes emergency operation is still equal or high than 87.5% of the battery voltage before testing.

- During the Auto Test, in case a power failure happens and the power cannot be on till the Auto Test completes, then the Auto Test will be executed again 24 hours later after the power is on.
- If the emergency mode makes the battery discharged completely under the power off condition, then the preprogrammed scheduled Auto Test will resume the first time when the power is connected.

3. MANUAL TEST

- Press LED test switch (LTS) one time, then go into emergency mode.
- Press LTS 2 times continuously within 5 seconds, then go into monthly test. After finish, the next monthly test will count from this date.
- Press LTS 3 times continuously within 5 seconds, then go into annual test, after finish, the next annual test will count from this date.
- During the manual test, press LTS 3 times, then the manual test can be terminated.
(The preprogrammed scheduled Auto Test time will not change)

4. LED SIGNAL LAMP (LSL) INDICATION

- LSL on: Normal
- LSL off: Power failure
- LSL gradual change: In testing
- LSL flickering: Abnormal