

VILLAGE PRESIDENT  
Seth Speiser

VILLAGE CLERK  
Jerry Menard

VILLAGE TRUSTEES  
Mathew Trout  
Dean Pruet  
Lisa Meehling  
Ray Matchett, Jr.  
Mike Blaies  
Denise Albers

# VILLAGE OF FREEBURG

FREEBURG MUNICIPAL CENTER  
14 SOUTHGATE CENTER, FREEBURG, IL 62243  
PHONE: (618) 539-5545 • FAX: (618) 539-5590  
Web Site: www.freeburg.com

VILLAGE ADMINISTRATOR  
Tony Funderburg

VILLAGE TREASURER  
Bryan A. Vogel

PUBLIC WORKS DIRECTOR  
John Tolan

POLICE CHIEF  
Stanley Donald

VILLAGE ATTORNEY  
Weilmuenster & Keck, P.C.

August 14, 2017

## NOTICE MEETING OF THE ELECTRIC COMMITTEE (Trout/Albers/Blaies/Meehling)

An Electric Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, on **Wednesday, August 16, 2017, at 5:30 p.m.**

### ELECTRIC COMMITTEE MEETING AGENDA

#### I. Items to be Discussed

##### A. Old Business

1. Approval of July 12, 2017 Minutes
2. Surplus Equipment
3. New Electric Customers
4. Customer Issues
5. Electric Infrastructure for New Subdivisions
6. Black Start Handbook
7. Urge Testing

##### B. New Business

1. Grade School and High School Electric Efficiency Program Applications
2. Apprentice Linemen Matt Amann and Andy Tolan Step Increase

##### C. General Concerns

##### D. Public Participation

##### E. Adjourn

At said Electric Committee Meeting, the Village Trustees may vote on whether or not to hold an Executive Session to discuss the selection of a person to fill a public office [5 ILCS, 120/2 - (c) (3)], litigation [5 ILCS, 120/2 - (c)(11)] personnel [5 ILCS, 120/2 - (c)(1)]; or real estate transactions [5 ILCS, 120/2 - (c)(5)].

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## ELECTRIC COMMITTEE MEETING (Trout/Albers/BlaiesMeehling) Wednesday, July 12, 2017 at 5:30 p.m.

The meeting of the Electric Committee was called to order at 5:30 p.m. on Wednesday, July 12, 2017 by Chairman Matt Trout. Committee members present were Chairman Matt Trout, Trustee Denise Albers, Trustee Mike Blaies, Trustee Lisa Meehling, Mayor Seth Speiser, Village Clerk Jerry Menard, Trustee Ray Matchett, Trustee Dean Pruett, Public Works Director John Tolan, Head Lineman Shane Krauss, Village Attorney Fred Keck, Village Administrator Tony Funderburg (absent) and Office Manager Julie Polson. Guests present: Investigator Mike Schutzenhofer and Janet Baechle.

### A. OLD BUSINESS:

1. Approval of June 14, 2017 Minutes: *Trustee Lisa Meehling motioned to approve the June 14, 2017 minutes and Trustee Denise Albers seconded the motion.* All voting yea, the motion carried.
2. Surplus Equipment: Head Lineman Shane Krauss advised there is nothing new on this.
3. New Electric Customers: Shane has nothing new on this right now.
4. Customer Issues: Mayor Speiser said he has a light that keeps going off, and Shane said the when the high pressure sodium bulbs are going bad, they do that.
5. Electric Infrastructure for New Subdivisions: Shane is going to meet with Tony on this soon. Trustee Trout asked Shane if he thinks it is possible to use the old infrastructure, and then start building a new line. Shane said yes, we can. John stated we would like to bill for materials but no labor.
6. Black Start Handbook: Shane is working with BHMG on it. It is going to be a long process.
7. Urge Testing: This has been completed, and we passed. We still have to go through the Miso testing. They will give us 24-hours notice before we have to run, and that will be the ultimate test of our generators.

Shane said we talked before about the park wanting additional power. He reviewed this with Sharon Marquardt of the park board. They only have a couple of receptacles that need to be installed. He will do the work for them. Shane passed around a thank you letter from the Catholic War Vets for the assistance our electric crew provided them.

**B. NEW BUSINESS:**

1. Executive Session to Discuss Personnel, 5 ILCS 120/2-(c)1: Not needed.

Shane said Tony approved the fire department going onto our internet. It doesn't cost us anything. The electric department has been doing pole replacements/transfers, and everything is going well. It is good experience for the apprentices. Our apprentices are coming up on their anniversary dates. Shane stated upon completion of their book work, he will recommend them for a step increase. You should see that at next month's committee meeting. Shane left the meeting at 5:39 p.m.

Investigator Mike Schutzenhofer thanked everyone for giving him the opportunity to be considered as an applicant for Chief of Police. He provided a copy of his goals and objective sheet to everyone present. He discussed each goal and objective in detail with the committee. Mike left the meeting at 6:11 p.m.

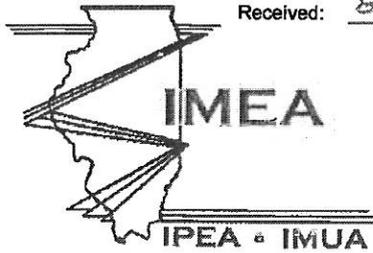
**C. GENERAL CONCERNS:** None.

**D. PUBLIC PARTICIPATION:** None.

**E. ADJOURN:** *Trustee Lisa Meehling motioned to adjourn at 6:12 p.m. and Trustee Denise Albers seconded the motion. All voting yea, the motion carried.*



Julie Polson  
Office Manager



Received: 8/9/2017

Project # 71-Firebury-2-2018

Pre-App  Final App

(to be completed by IMEA)

Gym Lights at  
Grade School  
Located at  
408 South Belleville

# ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM

## INCENTIVES FOR IMEA MEMBER COMMERCIAL / INDUSTRIAL and PUBLIC SECTOR ENTITIES

Lighting Projects  
version May 1, 2017

**Program Year FY 2017-18**  
**Start Date: May 1, 2017**

**Program Contact:**

**Rodd Whelpley**  
Program & Communications Administrator  
Illinois Municipal Electric Agency  
3400 Conifer Drive  
Springfield, IL 62711  
Ph: 217-789-4632  
800-243-4632  
Cell: 217-971-8889  
[rwhelpley@imea.org](mailto:rwhelpley@imea.org)

## IMEA Measure Savings Calculator: Lighting Retrofit Projects

Project Summary Information 71 Freeburg\_2\_2018 - Interior.rw 7/26/2017

### Project / Site General Information

**Applicant Name:** Freeburg CCSD #70  
**Customer Contact:** Mark Janssen  
**Installation Address:** 408 South Belville St.  
Freeburg, IL 62243  
  
**Building Type:** Elementary School      **Heating Fuel Type:** Electric Resistance

### Total Savings

	Change in Connected Load (Watts Reduced)	Peak Demand Savings (kW)	Annual Energy Savings (kWh)
Lighting	5,340.00	4.9598	8,482.59
Controls	-	0.0000	0.00
Additional Projects*			
<b>Total</b>	<b>5,340.00</b>	<b>4.9598</b>	<b>8,482.59</b>

### Project Level Fixture and Sensor Participation Summary

**Total Fixtures Installed**

15

**Total Wattage Controlled by Newly Installed Lighting Controls**

0

### Total Rebate Summary

	Total Incentive
Fixture Rebates	\$ 2,670.00
Controls Rebates	\$ -
Additional Projects*	
<b>Total</b>	<b>\$ 2,670.00</b>

\*Additional Projects refers to any additional measures that may have been installed as part of the project as a whole, but whose savings/rebate were manually calculated outside of the Savings Calculator

## ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM APPLICATION CHECKLISTS

### Pre-Approval Application Checklist

Pre-Approval Application must include:

- Completed Pre-Approval Application (found at <http://www.imea.org/EEProgram.aspx>).
- Copy of applicant's electric bill
- Signed Certification (page 5 of this application)
- Manufacturer spec sheets for new equipment
- A project budget

NP

- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant.

### To Submit a Pre-Application

1. Gather materials listed above.
2. E-mail Rodd Whelpley at [rwhelpley@imea.org](mailto:rwhelpley@imea.org). Please attach all project materials as a single PDF and send in a single e-mail if possible.

If you have questions, e-mail Rodd Whelpley or call 217-789-4632.

### Final Application Checklist

Final Application must include:

- Completed Final Application (found at <http://www.imea.org/EEProgram.aspx>).
- Copy of applicant's electric bill
- Signed Certification (page 5 of this application)
- Manufacturer spec sheets for new equipment
- Copies of all PAID invoices and receipts related to the project
- "Before" and "after" images, if requested by Program Administrator (see requirements listed in your Notice to Proceed).
- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant.

### To Submit a Final Application

1. Gather materials listed above and/or see any special instructions sent to you with your Notice to Proceed.
2. E-mail Rodd Whelpley at [rwhelpley@imea.org](mailto:rwhelpley@imea.org). Please attach all project materials as a single PDF and send in a single e-mail if possible.

If you have questions, e-mail Rodd Whelpley or call 217-789-4632.

**APPLICANT AND PROJECT INFORMATION**

Check one:  Pre-approval  Final Application

Name of Applicant – Company Name Freeburg CCSD #70		
Proposed Start Date: 10/26/17	Planned Completion Date: 10/27/17	
Address where measures installed: 408 South Belleville St. Freeburg		
Address:	City:	Zip:
Facility/Business Type: <u>Grade School Gym</u>		
Confirm this is a retrofit project: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no (if no, then use a custom application)		
Heating Fuel Type (check one): <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Electric Resistance <input type="checkbox"/> Heat pump <input type="checkbox"/> Unconditioned/Exterior		
Project Manager: Mark Janssen		
Telephone #: 618-537-3108	Fax #: 618-539-5795	Email Address: janssenm@frig.70.org
IMEA Electric Efficiency Incentive Requested  \$ <u>\$2,670</u> (Calculated in the Application – See Pages 7 - 17. The amount on the line above is the total amount on Table 10, page 17)		Contractor Information (if known)  Contact Name:  Company:  Phone:  Email Address:
Other Public Incentive Funds \$		
Specify Other Public Funds		
Total Project Cost \$ <u>4,032.90</u>		

## APPLICANT CERTIFICATIONS

NOTE: If this project is approved and completed, then IMEA will send an incentive check to the address listed on this page and in care of the signatory. IF THE REBATE INCENTIVE SHOULD GO TO ANY ENTITY OTHER THAN THE LOCAL APPLICANT OR ITS NATIONAL HEADQUARTERS, then you must include a signed letter of assignment.

Applicant hereby certifies that:

- The project site receives wholesale electric service from IMEA or electric delivery service from an IMEA member municipality or power purchaser (i.e., the Rural Electric Convenience Cooperative).
- All authorizations required to perform the project described in this application have either been obtained or will be obtained no later than 90 days following the project beginning date set forth in the Notice to Proceed Letter issued by the IMEA.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.
- Replaced equipment will be disposed of – not placed in storage.

Authorized Official (signature\*)

Mark Janssen

Typed/Printed Name

Asst. Supt.

Title

Freeburg CCSD # 70

408 South Bellevue St.

Authorized Signature Address

Freeburg, IL 62243-1534

Authorized Signature City, 9 Digit Zip (find 9-Digit Zip at <http://zip4.usps.com/zip4/welcome.jsp>)

janssen m @ frg 70.org

Authorized Signature E-mail Address

618-539-3188

Telephone

618-539-5795

Fax

8/9/17

Date

\*Electronic signatures not acceptable. Please supply Certifications (this page) with original signature via mail, fax or electronically (scanned document)

**4. LED Fixtures – Including Exterior (TRM 4.5.4)**

*Note: If and only if your project involves using fewer energy efficient lamps than are currently installed, then you may also qualify for a delamping incentive. See item number 6 below.*

NOTE: You may copy this page and use it as many times as you need

**Wattage Saved**

(1) Baseline Equipment	(2) Quantity of Old Fixtures	(3) Watts of Each Old Fixtures	(4) Type of New Equipment to be Installed	(5) Quantity of New Fixtures to be Installed	(6) Watts of Each New Fixture	(7) New Occupancy Sensor also installed (Y/N)	(8) Total Watts Saved = [(2)x(3)] - [(5)x(6)]	Interior (I) Or Exterior (E) Lighting
EXAMPLE: 80:20 T12:Standard T8 3- Lamp 32w T8, 3- Lamp 34w T12	10	103.3	LED Troffers; 2x2 Recessed Light Fixture, 3501- 5000 lumens	10	42.8	N	605	
400W MH	15	455	LED Highbay	15	99	N	5,340	I
<b>Sub Total Wattage Saved</b>								

If you have questions about the Wattages of your existing equipment, you may find the following guide from Ameren Illinois useful:  
<http://actonenergy.com/portals/0/business/forms/lighting-wattage-guide.pdf>

**Eligible Incentive**

(1) Equipment Type	(2) Incentive per Unit - \$0.50/Watt Reduced and Watts Controlled at \$0.12	(3) Watts Reduced – From Worksheet Above  and/or Wattage of the <u>NEW</u> Lights controlled by Sensors	(4) Eligible Incentive (2) x (3)
LED Fixtures and Bulbs	.50	5,340	\$2,670
<u>Occupancy Sensors</u>	\$0.12		
<b>Total Eligible Incentive of this Measure – to Table 10 (page 17)</b>			<b>\$2,670</b>

**10. TOTAL ELEGIBLE INCENTIVE FOR THIS APPLICATION**

*Note:* Applicants bring incentives calculated on the tables on pages 7-16 to calculate a total eligible incentive amount on this table.

<b>Measure</b>	<b>Eligible Incentive As Calculated Above</b>
<u>Interior Fluorescent Lamp (from page 7)</u>	
<u>Exterior Fluorescent Lamp (from page 8)</u>	
<u>Interior Specialty Fluorescent Lamp (from page 9)</u>	
<u>T8 Fixtures and Lamps (from page 10)</u>	
<u>LED Fixtures and Bulbs (from page 11)</u>	\$2,670
<u>LED Exit Signs Installed (from page 12)</u>	
<u>Fluorescent Delamping (from page 13)</u>	
<u>T5 Fixtures and Lamps (from page 14)</u>	
<u>Occupancy Sensors (from page 15)</u>	
<u>Custom Lighting Project (from page 16)</u>	
<b>Total Eligible Incentive for this Application</b>	<b>\$2,670</b>

Insert Logo Here

# Lighting System Payback Analysis

Input  
Output

## Customer Information

Project Name: FREEBURG SCHOOL GYM      Area (sq. ft.) 0.100  
 Cont: MARK JANSEN      Annual Operating Hrs 4,200

## Facility Information

## System Information

Existing      Proposed

Luminaire Description	400W MH	LED HBAF
Input Watts Per Luminaire	150	455
Quantity	15	15
System Watts	6,870	1,560
System KW	6.87	1.56
Annual kWh	28,854	6,552
Annual Energy Costs	\$ 2,885	\$ 655.20
Monthly Costs	\$ 240	\$ 55
Per Luminaire Cost		\$ 268.86
Total System Cost		\$ 4,032.90

Labor/Materials/Disposal (Lot Price)  
 Per Luminaire Rebate/Incentive  
 Total System Rebate/Incentive

\$ -  
 \$ -  
 \$ -

Total Contract Price

\$ 4,032.90

## Payback Analysis

Watts Per Square Foot  
 Annual Energy Savings  
 Cost of Waiting (Monthly)  
 Simple Payback (Years)  
 IRR (%)  
 Five Year Energy Cash Flow

\$ 2,230  
 \$ 186  
 1.81  
 55%  
 \$ 7,118

Annual Energy Costs per Lighting Systems



# BUTLERSUPPLY

"Dedicated To Our Customers' Success"

## Quotation

Since 1941

15 Commerce Drive  
O'Fallon IL 62269  
www.butlersupply.com

Phone: 618 624 6655  
Fax: 618 624 7021

Page 1 of 1

FREEBURG CCSD #70  
408 SOUTH BELLEVILLE ST  
FREEBURG IL 62243

FREEBURG CCSD #70  
408 SOUTH BELLEVILLE ST  
FREEBURG IL 62243

Quotation No.: 950198070  
Document Date: 09/28/2015  
Customer No.: 18503  
Quoted By: JHOFFMAN  
Purchase Order No.: SMALL GYM LIGHTING QUOTE  
Incoterms: WT

### Item Material Description Quantity Unit Price Amount

Item	Material Description	Quantity	Unit Price	Amount
10	226723-LITHIBH12000LMSD080MDMVOLTGZ1040K70CRIWH	15 EA	232.00 EA	3480.00
20	5573-GRIPHF2TG5FT GRIPLE TOG 5/16" 5' 100#	30 EA	4.86 EA	145.80
30	242659-LITH#WGIBH-J4 WIRE GUARD FOR IBH FIXTURE	15 EA	27.14 EA	407.10
			* Total Sales	4,032.90
			Total Amount	\$ 4,032.90

- ALL QUOTATIONS ARE SUBJECT TO APPROVAL
- Prices are Subject to Change without Notice
- MATERIALS PURCHASE FROM THIS QUOTATION MAY NOT BE RETURNABLE, AND, IF RETURNABLE IS SUBJECT TO RE-STOCKING CHARGES
- Projects Funded with Federal Stimulus Money may require a re-quote and price adjustments due to manufacturing requirements mandated by the US Government. (FAR CODES)



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal one-for-one replacement of conventional lighting systems such as HID and fluorescent. Applications include manufacturing, warehousing and other large indoor spaces with mounting heights ranging from 10' - 40'. Luminaire shall be suspended a minimum 24" from ceiling. Surface mounting is not permitted. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Lightweight aluminum heat sink designed to perform at warm ambient temperatures. Due to precision thermal engineering for maximum natural convective cooling this fixture provides lumen drop that is less than fluorescent. Fabricated steel chowzel provides maximum rigidity.

**OPTICS** — Medium distribution to meet both horizontal and vertical light level requirements. Reflectors are precision formed and painted a high reflectance white. Semi-diffuse lens is standard to provide glare control and LED protection.

**ELECTRICAL** — 76% lumen maintenance at 97,000 hours; predicted life of more than 100,000 hours. Thermally protected driver standard with 0-10V dimming.

**Wireless networking: XPoint™** Wireless technology creates a mesh network to ensure communication between fixtures, sensors and wall stations facility-wide. This option provides superior lighting management capabilities including granular control, configuration and custom grouping for increased energy savings.

**INSTALLATION** — Suitable for suspension by chain, cable, surface-mounting bracket, hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain high ambient lighting, fixture should be mounted at a minimum plenum height of 18".

**LISTINGS** — CSA certified to US and Canadian safety standards. Dump location listed. Ambient operating temperatures vary please refer to chart on page 3.

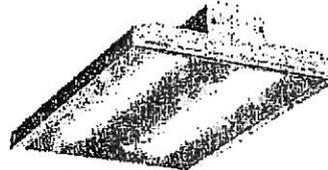
**DesignLights Consortium® (DLC) qualified product.** Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.lithonia.com/CustomersResources/terms\\_and\\_conditions.aspx](http://www.lithonia.com/CustomersResources/terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

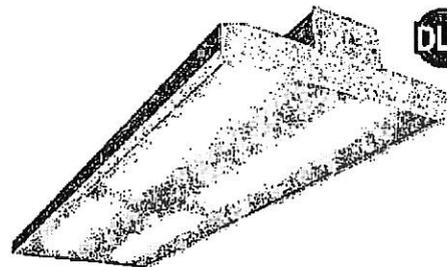
LED High Bay



**BH**

9,000 through 30,000 Lumens

Patent Pending



**ORDER LOG INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. **Example:** IBH 18000LM SDO80 MD MVOLT GZ10 40K 70CRI WH

IBH								GZ10			
IBH	9000LM 9,000 lumens	SDO80	Semi-diffuse acrylic	ND	Narrow	MVOLT	120-277V	GZ10	0-10V dimming	40K 4000K	70CRI 70 CRI
	12000LM 12,000 lumens	L/LENS	Less lens <sup>1</sup>	MD	Medium	MVOLT	347V-480V			50K 5000K	80CRI 80 CRI <sup>2</sup>
	15000LM 15,000 lumens						120 120V				
	18000LM 18,000 lumens						277 277V				
	24000LM 24,000 lumens										
	30000LM 30,000 lumens										

GLR	Inertial / anti-blow fuse <sup>1A</sup>	<b>Motion sensors:</b>		WH	Gloss white
OUTCTR	Wiring leads pulled through back center of fixture	LCOZU	Aisle motion sensor, pre-wired <sup>1,2</sup>	MB	Matte black
DCS	RELOC™ OnePass® S <sup>3</sup> Installed <sup>3</sup>	LCHOSZU	Aisle motion sensor, pre-wired; programmable dimming <sup>1,2</sup>		
RRL	RELOC™ ready luminaire. See page 5 for ordering information	LCPEU	Aisle motion sensor with photocell; pre-wired <sup>1,2</sup>		
WGK	Standard wire guard, installed	LACOSZU	Aisle motion sensor, dimming and switching photocell, pre-wired <sup>1,2</sup>		
Sort/Spec <sup>1</sup>		LAQZU	360° motion sensor, pre-wired <sup>1,2</sup>		
CS1W	Straight plug, 120V <sup>1A</sup>	LAHOSZU	360° motion sensor, pre-wired; programmable dimming <sup>1,2</sup>		
CS3W	Twist-lock, 120V <sup>1A</sup>	LAPZU	360° motion sensor with photocell, pre-wired <sup>1,2</sup>		
CS7W	Straight plug, 277V <sup>1A</sup>	AMSXADL OSCXADL	360° Xpoint wireless motion sensor with photocell <sup>1,2B</sup>		
CS11W	Twist-lock, 277V <sup>1A</sup>	LAHOSZU	360 motion sensor, dimming and switching photocell, pre-wired (T24 compliant) <sup>1,2</sup>		
CS25W	Twist-lock, 347V <sup>1A</sup>	LCMOSZU	Aisle motion sensor, dimming and switching photocell, pre-wired (T24 compliant) <sup>1,2</sup>		
CS97W	Twist-lock, 480V <sup>1A</sup>	nPP16D	nLight® switching/dimming module <sup>1B</sup>		
CS93W	600V SEDON™ white cord, no plug (no voltage required)	nMSI	nLight, aisle motion sensor, pre-wired <sup>1,2</sup>		
		nMSI160	nLight, 360° motion sensor, pre-wired <sup>1,2</sup>		
		nMSI3D	nLight, aisle motion sensor, pre-wired, dimming <sup>1,11</sup>		
		nMSI360D	nLight, 360° motion sensor, pre-wired, dimming <sup>1,11</sup>		
		XPW	Factory installed XPoint™ wireless 0-10V dimming relay <sup>1,11,12</sup>		

See footnotes on page 2.

# IBW LED High Bay

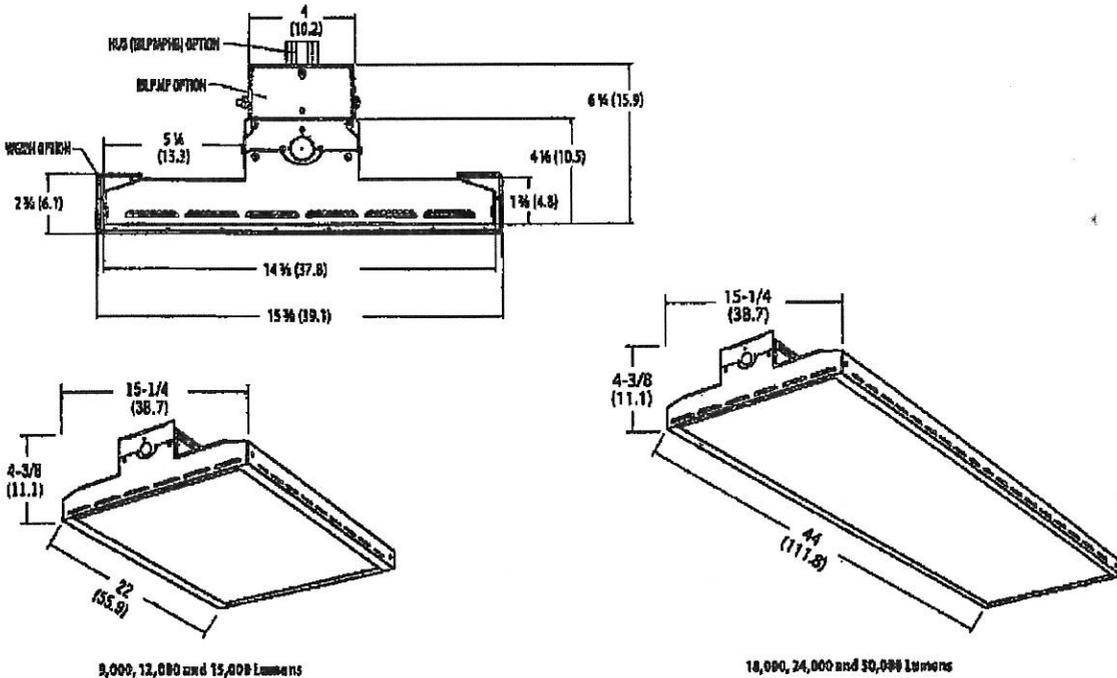
Mounting:		Wire guards:	
IBAC120 M20	Aircraft cable 10' with hook (one pair)	WGNWH	Wire guard for use with 9000LM - 15000LM fixtures
IBAC240 M20	Aircraft cable 20' with hook (one pair)	WGNBH	Wire guard for use with 18000LM - 30000LM fixtures
IBSNP	Hook monopoint		
ZACVN	Aircraft 10' V hanger (one pair)		
IBLMPB	Pendant monopoint splice bar, includes side covers		
IBLMPHB	Pendant monopoint splice bar with 3/4" hub, includes side covers		
HC36	Hanger cable, 36" (one pair)		
THUH	Tong hanger bracket (order 2 per fixture) *		

### Notes:

- Direct eye exposure to the high-power LEDs can injure the eyes. Proper precautions should be taken to avoid direct prolonged and/or close-range viewing of the LEDs while operating.
- 10% reduction in lumens compared to 70 CRI.
- Most specify voltage.
- Not available with 3-ØV.
- All cord sets are 18/3, Ø, white.
- Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- Other configurations available, see page four for additional options. Maximum ambient temperature 104°F (40°C).
- 3ØV and 4ØV with aFPMD utilizes a step down transformer.
- nMSI options utilize a nPP16 and nCMB 50 sensor, CAT5e connector cable also included. Available 120 or 277V only.
- nMSI360 options utilize a nPP16 and nCMB 6 sensor, CAT5e connector cable also included. Available 120 or 277V only.
- nMSI3D options utilize a nPP16D and nCMB 50 sensor CAT5e connector cable also included. Available 120 or 277V only.
- nMSI400 options utilize a nPP16D and nCMB 6 sensor, CAT5e connector cable also included. Available 120 or 277V only.
- For use in ambient temperatures ranging from -24° to 104°F (-10° to 40°C).
- nPPV option utilizes the nPA C3600. Must specify voltage 120-277V only.
- For use in applications with ambient temperatures up to 30C.

## DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated. Dimensions may vary with options or accessories.



# IBH LED High Bay

## OPERATIONAL DATA

Model	Temperature Range (°F)	Temperature Range (°C)	Beam Type	10000h	50000h	75000h	100000h
6000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 35°C)	SD080	19,158	10,027	9,766	8,854
			1/Lens	19,745	10,607	10,310	9,366
12000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 35°C)	SD080	34,340	14,189	14,796	12,524
			1/Lens	35,211	15,009	14,596	13,248
15000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	16,876	16,455	15,984	14,536
			1/Lens	17,606	17,407	16,919	15,378
18000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	21,630	21,539	20,947	19,012
			1/Lens	23,092	22,785	22,159	20,712
24000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	26,844	26,493	25,761	23,384
			1/Lens	28,397	28,025	27,251	24,737
30000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	33,352	32,910	31,998	29,050
			1/Lens	35,281	34,814	33,849	30,738

\* Ambient temperature ratings vary depending on options selected.

## CHARACTERISTICS

Model	90	97	95	95	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	2-lamp TSHD
12000LM	131	129	126	125	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp TB, 250W HXD
15000LM	155	152	149	148	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp TSHD, 6-lamp TB
18000LM	202	199	194	194	24 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	4-lamp TSHD, 6-lamp TB, 600W HXD
24000LM	257	253	247	247	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	6-lamp TSHD, 8-lamp TB
30000LM	310	305	298	297	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	8-lamp TSHD

## PROJECTED LUMEN MAINTENANCE

Hours	0	10,000	20,000	25,000	33,000	50,000	60,000	75,000	100,000
Relative Lumen Maintenance (%)	1	0.96	0.92	0.90	0.87	0.83	0.80	0.76	0.69

## LUMENS VS. AMBIENT TEMPERATURE

Temperature (°F)	Relative Lumen Maintenance (%)	Relative Lumen Maintenance (%)
0	1.03	1.03
5	1.03	1.03
10	1.02	1.02
15	1.01	1.01
20	1.01	1.01
25	1.00	1.00
30	.98	.98
35	.95	.95
40	.79	.79

## PHOTOMETRICS

See [www.lithonia.com](http://www.lithonia.com).



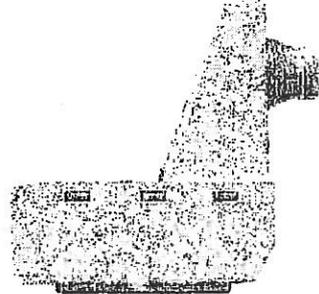
An Acuity Brands Company

# IBH LED High Bay

## LSXR - Fixture Mount Sensor (see [www.sensorswitch.com](http://www.sensorswitch.com) for additional information)

- Four interchangeable lenses.
- Integrated mounting bracket drops less than 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.

For shortest lead times use one of the following LSXR configurations		
LC02U	CMRB 50	MS1
LC06SZU	CMRB 50 D	MS1D
LCP2U	CMRB 50 P	MS1PED
LA02U	CMRB 6	MS1360
LAH02U	CMRB 6 D	MS1360D
LAP2U	CMRB 6 P	MS1360PED



### SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

#### SINGLE RELAY

ORDERING INFORMATION: Lead times will vary depending on options selected. Consult with your sales representative. Example: LAH02U

LSXR	Mounting	Operation	Voltage	Dimming	Temp	Time
L	A High mount, 360°	O None	0 10 VDC	5 Minimum dimming level of ballast	Z None	I 30 seconds
	B Low mount, 360°	H High/low occupancy operation	9 9VDC	1 1VDC	T Low temperature	D 2.5 minutes
	C High mount aisleway	P Switching photocell (on/off)	8 8VDC	2 2VDC		X 5 minutes
		M Dimming and switching photocell	7 7VDC	3 3VDC		R 7.5 minutes
		G Dimming and switching photocell with high/low occupancy operation		4 4VDC		U 10 minutes (with minimum 15 minutes on time)
				5 5VDC		V 15 minutes
				6 6VDC		W 20 minutes
						Y 30 minutes

#### DUAL RELAY (Available with T20, T27, and 347V only)

ORDERING INFORMATION: Lead times will vary depending on options selected. Consult with your sales representative. Example: LA2KZU

LSXR	Mounting	Relay	Operation	Temp	Time
L	A High mount, 360°	2 Dual relay	J None	Z None	I 30 seconds
	B Low mount, 360°		K Alternating off relays (prevents even lamp wear)	T Low temperature	D 2.5 minutes
	C High mount aisleway		O Alternating off relays w/photocell		X 5 minutes
			P Switching photocell (on/off)		R 7.5 minutes
			E Photocell on/off (pole 1 only)		U 10 minutes (with minimum 15 minutes on time)
			F Photocell on/off - both poles (dual set-point)		V 15 minutes
					W 20 minutes
					Y 30 minutes

Example: LENS 50 J100

Series	Lens Type	Package quantity
6	High mount 360°	U Unit
10	Low mount 360°	J10 10-pack
50	High mount aisleway	J100 100-pack

Notes  
1 Dimming level should not exceed what this system is capable of.



# IBH LED High Bay

## RRL - RELOC<sup>®</sup>-Ready Luminaire

- RRL connectors can be used with Quick-Flex<sup>®</sup>, System 820 and OnePass<sup>®</sup> systems.
- Lead side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



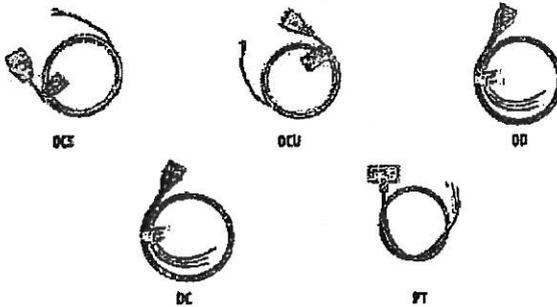
### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

EnergyPin: RRLA

Option	Description
RRL	RELOC <sup>®</sup> -ready luminaire
A	Hot conductor wired to position #1 (phase A)
B	Hot conductor wired to position #2 (phase B)
C	Hot conductor wired to position #3 (phase C) <sup>1</sup>
AB	Outboard hot conductor wired to position #1 (phase A), inboard hot conductor wired to position #2 (phase B)
AE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B) <sup>1</sup>
ABE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B), inverter conductor wired to position #3 (phase C) <sup>1,2</sup>
C125	Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3 <sup>1,3</sup>

### Compatible RELOC<sup>®</sup> Cables for Industrial Luminaires (shipped and ordered separately)



#### Notes

- 1 C, ABE, and C125 options are not used with Quick-Flex QFC, QFC, QPL, and QI.
- 2 A and ABE commercial fixtures should disconnect the LED before unplugging the REE so it does not go into discharge mode.
- 3 C125 option is used with the OnePass 00 and 010 SSC, PL, and DL for 0-10V/DALI applications.



An Acuity Brands Company

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (539-5545)

FROM 12/16/15 TO 01/15/16 BILLING DATE 01/21/16

PREVIOUS MONTH	RECURRING	USAGE	SERVICE	AMOUNT
1480	1867	45240	E BUS	4844.37
			E TAX	144.77
0	180	180	F DEMAND	648.00
			F TAX	.58

VILLAGE OFFICES CLOSED FEB 15 FOR PRESIDENTS' DAY. NO INTERRUPTION OF TRASH SERVICE.

Date due 02/07/16 Amt due \$ pen 5637.72 Penalty 01/16 02/08/16 6186.96

Acct: 003 30080 00 (O)

Freeburg ILLINOIS 62243

FIRST-CLASS U.S. POSTAGE PAID PERMIT NO. 11

AMT due \$ pen	ACCOUNT NUMBER
5637.72	003 30080 00
Penalty Due	Penalty Due
02/08/16	6186.96

RETURN SERVICE REQUESTED



CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (539-5545)

FROM 12/16/15 TO 01/15/16 BILLING DATE 01/21/16

PREVIOUS MONTH	RECURRING	USAGE	SERVICE	AMOUNT
7088	7298	8400	E RES	926.08
			E TAX	26.88
			N W/100	3.00
			N W/250	46.00
121390	125670	4280	S IN	27.60
121390	125870	4280	W IN	32.05

VILLAGE OFFICES CLOSED FEB 15 FOR PRESIDENTS' DAY. NO INTERRUPTION OF TRASH SERVICE.

Date due 02/07/16 Amt due \$ pen 1064.59 Penalty 01/16 02/08/16 1168.36

Acct: 003 30082 00 (O)

Freeburg ILLINOIS 62243

FIRST-CLASS U.S. POSTAGE PAID PERMIT NO. 11

AMT due \$ pen	ACCOUNT NUMBER
1064.59	003 30082 00
Penalty Due	Penalty Due
02/08/16	1168.36

RETURN SERVICE REQUESTED



CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (539-5545)

FROM 12/16/15 TO 01/15/16 BILLING DATE 01/21/16

PREVIOUS MONTH	RECURRING	USAGE	SERVICE	AMOUNT
3189	3203	4	E RES	5.98
			E TAX	.01
241240	241240	0	W IN	7.72

VILLAGE OFFICES CLOSED FEB 15 FOR PRESIDENTS' DAY. NO INTERRUPTION OF TRASH SERVICE.

Date due 02/07/16 Amt due \$ pen 13.71 Penalty 01/16 02/08/16 15.08

Acct: 003 30081 00 (O)

Freeburg ILLINOIS 62243

FIRST-CLASS U.S. POSTAGE PAID PERMIT NO. 11

AMT due \$ pen	ACCOUNT NUMBER
13.71	003 30081 00
Penalty Due	Penalty Due
02/08/16	15.08

RETURN SERVICE REQUESTED



CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (539-5545)

FROM 12/16/15 TO 01/15/16 BILLING DATE 01/21/16

PREVIOUS MONTH	RECURRING	USAGE	SERVICE	AMOUNT
38220003845000	23000	S IN	N W/100	38.00
38220003845000	23000	W IN	S IN	505.97
				170.96

VILLAGE OFFICES CLOSED FEB 15 FOR PRESIDENTS' DAY. NO INTERRUPTION OF TRASH SERVICE.

Date due 02/07/16 Amt due \$ pen 308.93 Penalty 01/16 02/08/16 339.83

Acct: 003 30083 00 (O)

Freeburg ILLINOIS 62243

FIRST-CLASS U.S. POSTAGE PAID PERMIT NO. 11

AMT due \$ pen	ACCOUNT NUMBER
308.93	003 30083 00
Penalty Due	Penalty Due
02/08/16	339.83

RETURN SERVICE REQUESTED



CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (335-5545)

FROM TO BILLING DATE  
12/16/15 01/15/16 01/21/16

ACCOUNT NUMBER	USAGE	SERVICE	AMOUNT
231400	231400	0 W IN	7.72

408 S BELLEVILLE WIR FOUNTN

VILLAGE OFFICES CLOSED FEB 15 FOR  
PRESIDENTS' DAY, NO INTERRUPTION  
OF TRASH SERVICE.

Date due 02/07/16 Amt due 5 pm 7.72 Penalty Due 02/08/16 8.48

Acct: 003 30084 00 (0)

Freeburg  
ILLINOIS  
62243

PRINT-CLASS  
U.S. POSTAGE  
PAID  
PERMIT NO.  
11

RETURN SERVICE REQUESTED

Amt due 5 pm	ACCOUNT NUMBER
7.72	003 30084 00
Penalty Due	Penalty Due
02/08/16	8.49

RETURN THIS STUB WITH PAYMENT

CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (335-5545)

FROM TO BILLING DATE  
12/16/15 01/15/16 01/21/16

ACCOUNT NUMBER	USAGE	SERVICE	AMOUNT
61140	61445	22000 E RES	2380.53
		ETAX	70.40

750 S STATE ST/PRIMARY CTR

VILLAGE OFFICES CLOSED FEB 15 FOR  
PRESIDENTS' DAY, NO INTERRUPTION  
OF TRASH SERVICE.

Date due 02/07/16 Amt due 5 pm 2461.03 Penalty Due 02/08/16 2700.09

Acct: 003 30350 00 (0)

Freeburg  
ILLINOIS  
62243

PRINT-CLASS  
U.S. POSTAGE  
PAID  
PERMIT NO.  
11

RETURN SERVICE REQUESTED

Amt due 5 pm	ACCOUNT NUMBER
2461.03	003 30350 00
Penalty Due	Penalty Due
02/08/16	2700.09

RETURN THIS STUB WITH PAYMENT

CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (335-5545)

FROM TO BILLING DATE  
12/16/15 01/15/16 01/21/16

ACCOUNT NUMBER	USAGE	SERVICE	AMOUNT
4200	4200	0 W IN	7.72

408 S BELLEVILLE ST - BUS GARAGE

VILLAGE OFFICES CLOSED FEB 15 FOR  
PRESIDENTS' DAY, NO INTERRUPTION  
OF TRASH SERVICE.

Date due 02/07/16 Amt due 5 pm 7.72 Penalty Due 02/08/16 8.48

Acct: 003 30183 00 (0)

Freeburg  
ILLINOIS  
62243

PRINT-CLASS  
U.S. POSTAGE  
PAID  
PERMIT NO.  
11

RETURN SERVICE REQUESTED

Amt due 5 pm	ACCOUNT NUMBER
7.72	003 30183 00
Penalty Due	Penalty Due
02/08/16	8.49

RETURN THIS STUB WITH PAYMENT

CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

Village of Freeburg  
14 Southgate Center  
Freeburg IL 62243 (335-5545)

FROM TO BILLING DATE  
12/16/15 01/15/16 01/21/16

ACCOUNT NUMBER	USAGE	SERVICE	AMOUNT
53187006336200		N W100	8.00
		S IN	81.77
53187006336200		17500 W IN	130.16

750 S STATE PRIMARY ADDITI

VILLAGE OFFICES CLOSED FEB 15 FOR  
PRESIDENTS' DAY, NO INTERRUPTION  
OF TRASH SERVICE.

Date due 02/07/16 Amt due 5 pm 219.93 Penalty Due 02/08/16 241.93

Acct: 003 30351 00 (0)

Freeburg  
ILLINOIS  
62243

PRINT-CLASS  
U.S. POSTAGE  
PAID  
PERMIT NO.  
11

RETURN SERVICE REQUESTED

Amt due 5 pm	ACCOUNT NUMBER
219.93	003 30351 00
Penalty Due	Penalty Due
02/08/16	241.93

RETURN THIS STUB WITH PAYMENT

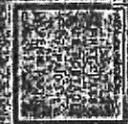
CARL L BARTON SCHOOL  
408 S BELLEVILLE ST  
FREEBURG IL 62243-1534

POSTAGE WILL BE PAID BY ADDRESSEE

POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001

POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001

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1000	1000
1000	1000
1000	1000



POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001

POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001

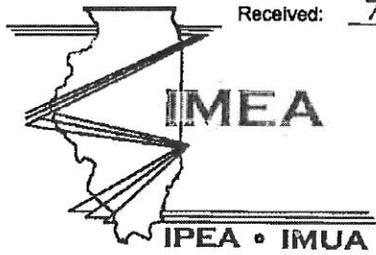
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POSTAGE WILL BE PAID BY ADDRESSEE  
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NEW YORK, NY 10001

POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001

POSTAGE WILL BE PAID BY ADDRESSEE  
FIRST CLASS PERMIT NO. 1000  
NEW YORK, NY 10001



Received: 7/26/2018

Project # 64-Ferrburg-1-2018

Pre-App  Final App

(to be completed by IMEA)

LED lights - High School

## ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM

### INCENTIVES FOR IMEA MEMBER COMMERCIAL / INDUSTRIAL and PUBLIC SECTOR ENTITIES

Lighting Projects  
version May 1, 2017

**Program Year FY 2017-18**  
**Start Date: May 1, 2017**

**Program Contact:**

**Rodd Whelpley**  
Program & Communications Administrator  
Illinois Municipal Electric Agency  
3400 Conifer Drive  
Springfield, IL 62711  
Ph: 217-789-4632  
800-243-4632  
Cell: 217-971-8889  
[rwhelpley@imea.org](mailto:rwhelpley@imea.org)

## IMEA Measure Savings Calculator: Lighting Retrofit Projects

Project Summary Information 64\_Freiburg\_1\_2018 Interior.nw 7/26/2017

### Project / Site General Information

**Applicant Name:** Freeburg Community High School Dist. 19  
**Customer Contact:** Greg Frerking  
**Installation Address:** 401 S. Monroe St.  
Freeburg, IL 62243  
  
**Building Type:** High School      **Heating Fuel Type:** Gas

### Total Savings

	Change in Connected Load (Watts Reduced)	Peak Demand Savings (kW)	Annual Energy Savings (kWh)
Lighting	9,300.00	9.3074	25,536.50
Controls	-	0.0000	0.00
Additional Projects*			
<b>Total</b>	<b>9,300.00</b>	<b>9.3074</b>	<b>25,536.50</b>

### Project Level Fixture and Sensor Participation Summary

**Total Fixtures Installed**

**Total Wattage Controlled by Newly Installed Lighting Controls**

### Total Rebate Summary

	Total Incentive
Fixture Rebates	\$ 4,650.00
Controls Rebates	\$ -
Additional Projects*	
<b>Total</b>	<b>\$ 4,650.00</b>

\*Additional Projects refers to any additional measures that may have been installed as part of the project as a whole, but whose savings/rebate were manually calculated outside of the Savings Calculator

**ILLINOIS MUNICIPAL ELECTRIC AGENCY ELECTRIC EFFICIENCY PROGRAM  
APPLICATION CHECKLISTS**

**Pre-Approval Application Checklist**

**Pre-Approval Application must include:**

- Completed Pre-Approval Application (found at <http://www.imea.org/EEProgram.aspx>).
- Copy of applicant's electric bill
- Signed Certification (**page 5** of this application)
- Manufacturer spec sheets for new equipment
- A project budget
- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant. *NA*

*NA*

**To Submit a Pre-Application**

1. Gather materials listed above.
2. E-mail Rodd Whelpley at [rwhelpley@imea.org](mailto:rwhelpley@imea.org). Please attach all project materials as a single PDF and send in a single e-mail if possible.

**If you have questions, e-mail Rodd Whelpley or call 217-789-4632.**

**Final Application Checklist**

**Final Application must include:**

- Completed Final Application (found at <http://www.imea.org/EEProgram.aspx>).
- Copy of applicant's electric bill
- Signed Certification (**page 5** of this application)
- Manufacturer spec sheets for new equipment
- Copies of all **PAID** invoices and receipts related to the project
- "Before" and "after" images, if requested by Program Administrator (see requirements listed in your Notice to Proceed).
- A signed letter of assignment, if the incentive will go to any entity other than the local applicant or the national headquarters of the local applicant.

**To Submit a Final Application**

1. Gather materials listed above and/or see any special instructions sent to you with your Notice to Proceed.
2. E-mail Rodd Whelpley at [rwhelpley@imea.org](mailto:rwhelpley@imea.org). Please attach all project materials as a single PDF and send in a single e-mail if possible.

**If you have questions, e-mail Rodd Whelpley or call 217-789-4632.**

**APPLICANT AND PROJECT INFORMATION**

Check one:          **Pre-approval**                          **Final Application**

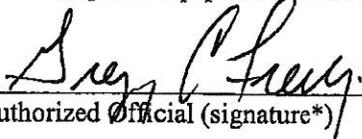
<b>Name of Applicant – Company Name</b>		Freeburg Community High School District #77
<b>Proposed Start Date:</b>	September 1, 2017	<b>Planned Completion Date:</b> November 1, 2017
<b>Address where measures installed:</b> 401 S. Monroe Street, Freeburg, IL 62243		
<b>Address:</b>	401. S. Monroe St.	<b>City:</b> Freeburg <b>Zip:</b> 62243
<b>Facility/Business Type:</b> Public High School!		
<b>Confirm this is a retrofit project:</b> <input checked="" type="checkbox"/> yes <input type="checkbox"/> no (if no, then use a custom application)		
<b>Heating Fuel Type (check one):</b> <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Electric Resistance <input type="checkbox"/> Heat pump <input type="checkbox"/> Unconditioned/Exterior		
<b>Project Manager:</b>	Greg Frerking	
<b>Telephone #:</b> (618) 539-5533	<b>Fax #:</b> (618) 539-4887	<b>Email Address:</b> glfrerking@gmail.com
<b>IMEA Electric Efficiency Incentive Requested</b>	<b>Contractor Information (if known)</b>	
\$ <u>4,650</u> (Calculated in the Application – See Pages 7 - 17. The amount on the line above is the total amount on Table 10, page 17)	<b>Contact Name:</b>	
	<b>Company:</b>	
<b>Other Public Incentive Funds</b> \$ 0.00	<b>Phone:</b>	
<b>Specify Other Public Funds</b> \$0.00	<b>Email Address:</b>	
<b>Total Project Cost</b> \$ <u>10,394.00</u> ✓		

**APPLICANT CERTIFICATIONS**

NOTE: If this project is approved and completed, then IMEA will send an incentive check to the address listed on this page and in care of the signatory. IF THE REBATE INCENTIVE SHOULD GO TO ANY ENTITY OTHER THAN THE LOCAL APPLICANT OR ITS NATIONAL HEADQUARTERS, then you must include a signed letter of assignment.

Applicant hereby certifies that:

- The project site receives wholesale electric service from IMEA or electric delivery service from an IMEA member municipality or power purchaser (i.e., the Rural Electric Convenience Cooperative).
- All authorizations required to perform the project described in this application have either been obtained or will be obtained no later than 90 days following the project beginning date set forth in the Notice to Proceed Letter issued by the IMEA.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.
- Replaced equipment will be disposed of – not placed in storage.

  
Authorized Official (signature\*)

Gregory A Frerking  
Typed/Printed Name

Superintendent  
Title

401 S. Monroe St.  
Authorized Signature Address

Freeburg, 62243-1599  
Authorized Signature City, 9 Digit Zip (find 9-Digit Zip at <http://zip4.usps.com/zip4/welcome.jsp>)

frerkiga@fchs77.org  
Authorized Signature E-mail Address

(618) 539 - 5533  
Telephone

(618) 539 - 4887  
Fax

July 25, 2017  
Date

\*Electronic signatures not acceptable. Please supply Certifications (this page) with original signature via mail, fax or electronically (scanned document)

**4. LED Fixtures – Including Exterior (TRM 4.5.4)**

*Note: If and only if your project involves using fewer energy efficient lamps than are currently installed, then you may also qualify for a delamping incentive. See item number 6 below.*

NOTE: You may copy this page and use it as many times as you need

**Wattage Saved**

(1) Baseline Equipment	(2) Quantity of Old <del>Fixtures</del> <i>Lamps</i>	(3) Watts of Each Old <del>Fixtures</del> <i>Lamps</i>	(4) Type of New Equipment to be Installed	(5) Quantity of New <del>Fixtures</del> to be Installed <i>Lamps</i>	(6) Watts of Each New <del>Fixture</del> <i>Lamps</i>	(7) New Occupancy Sensor also installed (Y/N)	(8) Total Watts Saved = [(2)x(3)] - [(5)x(6)]	Interior (I) Or Exterior (E) Lighting
EXAMPLE: 80:20 T12:Standard T8 3- Lamp 32w T8, 3- Lamp 34w T12	10	103.3	LED Troffers; 2x2 Recessed Light Fixture, 3501- 5000 lumens	10	42.8	N	605	
GE 32T8/841 / PRO/EC	600	32 ✓	16.5 watt T8/LED 48-4000 IF 10/1 UHO	600	16.5	N	9,300 ✓	I
<b>Sub Total Wattage Saved</b>							9,300	

If you have questions about the Wattages of your existing equipment, you may find the following guide from Ameren Illinois useful:  
<http://actonenergy.com/portals/0/business/forms/lighting-wattage-guide.pdf>

**Eligible Incentive**

(1) Equipment Type	(2) Incentive per Unit - \$0.50/Watt Reduced and Watts Controlled at \$0.12	(3) Watts Reduced – From Worksheet Above and/or Wattage of the <u>NEW</u> Lights controlled by Sensors	(4) Eligible Incentive (2) x (3)
LED Fixtures and Bulbs	.50	9,300	\$4,650 ✓
<u>Occupancy Sensors</u>	\$0.12		
<b>Total Eligible Incentive of this Measure – to Table 10 (page 17)</b>			\$4,650

**10. TOTAL ELEGIBLE INCENTIVE FOR THIS APPLICATION**

*Note:* Applicants bring incentives calculated on the tables on pages 7-16 to calculate a total eligible incentive amount on this table.

<b>Measure</b>	<b>Eligible Incentive As Calculated Above</b>
<u>Interior Fluorescent Lamp (from page 7)</u>	
<u>Exterior Fluorescent Lamp (from page 8)</u>	
<u>Interior Specialty Fluorescent Lamp (from page 9)</u>	
<u>T8 Fixtures and Lamps (from page 10)</u>	
<u>LED Fixtures and Bulbs (from page 11)</u>	\$4,650
<u>LED Exit Signs Installed (from page 12)</u>	
<u>Fluorescent Delamping (from page 13)</u>	
<u>T5 Fixtures and Lamps (from page 14)</u>	
<u>Occupancy Sensors (from page 15)</u>	
<u>Custom Lighting Project (from page 16)</u>	
<b>Total Eligible Incentive for this Application</b>	\$4,650

**FREEBURG COMMUNITY HIGH SCHOOL LED  
CONVERSION PROJECT**

**LED LIGHT CONVERSION PROJECT BUDGET**

**2017/2018**

<b>Lamp</b>	<b># of Lamps</b>	<b>Cost Per Lamp</b>	<b>Cost of Lamps</b>
Phillips 16.5 watt T8/LED 48-4000 IF 10/1 UHO	600	\$16.99	\$10,194.00

<b>Labor</b>	<b>Hours of Labor</b>	<b>Labor Costs/Hour</b>	<b>Total Labor Cost</b>
Based on 60 lamps/hr	10	\$20.00	\$200.00

**Total Project Budget \$10,394.00 ✓**

# PHILIPS

## Lighting

# LED InstantFit Lamps

## 16.5T8 LED/48-5000 IF 10/1 UHO

Philips LED T8 InstantFit Lamps are an ideal energy saving choice for existing linear fluorescent fixtures.

### Product data

General Information	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X
B50L70	70000 h

Light Technical	
Color Code	B50 [ CCT of 5000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2500 lm
Luminous Flux (Rated) (Nom)	2500 lm
Rated Beam Angle	160 °
Correlated Color Temperature (Nom)	5000 K
Color Consistency	<6
Color Rendering Index (Nom)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	16.5 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	110 mA
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s

Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V

Temperature	
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Cese Maximum (Nom)	45 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1200 mm

Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Approval Marks	RoHS compliance UL certificate
Energy Consumption kWh/1000 h	20 kWh

Product Data	
Order product name	16.5T8 LED/48-5000 IF 10/1 UHO
EAN/UPC - Product	045877483151

# LED InstantFit Lamps

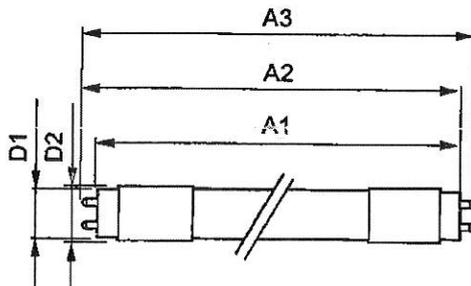
Order code	929001226904
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001226904

Net Weight (Piece)	0.230 kg
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## Warnings and Safety

- Philips LED T8 InstantFit lamps will only operate properly on compatible Instant-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit [www.philips.com/tied](http://www.philips.com/tied)

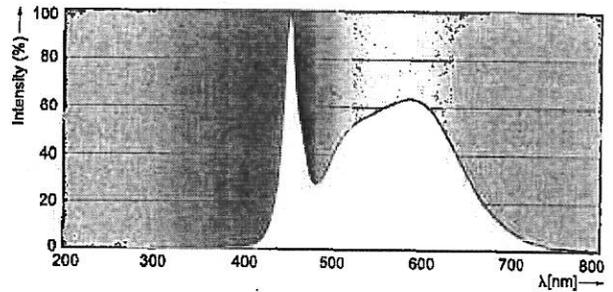
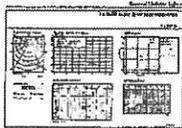
## Dimensional drawing



TLED120-277V-16.5W-25/28/32W 5000K G13ND

Product	D1	D2	A1	A2	A3
16.5T8 LED/48-5000 IF 10/1 UHO	25.68 mm	28 mm	1198 mm	1205 mm	1212 mm

## Photometric data



Village of Freeburg  
 14 Southgate Center  
 Freeburg IL 62243 (539-5545)

FROM	TO	BILLING DATE
06/16/17	07/15/17	07/22/17

0617

401 S MONROE ST

PREVIOUS READING	PRESNT READING	USAGE	SERVICE	AMOUNT
1336	1638	48320	E BUS	6023.59
			E TAX	154.62
0	168	168	F DEMAND	604.80
			F TAX	.54
ESTIMATE---		5000	S IN	40.00
ESTIMATE---		5000	W IN	37.40



RETURN SERVICE REQUESTED

Amt due 5 pm	ACCOUNT NUMBER
6860.95	003 30090 00
Penalty Date	Penalty Due
08/08/17	7531.54

RETURN THIS STUB WITH PAYMENT



SOLAR GLASSES STILL AVAILABLE AT  
 VILLAGE HALL. FREEBURG HOMECOMING  
 AUG 18TH AND 19TH, 2017.

Due date	Amt due 5 pm	Penalty Date	Penalty Due
08/07/17	6860.95	08/08/17	7531.54

FREEBURG COMMUNITY HIGH SCHOOL  
 401 S MONROE ST  
 FREEBURG IL 62243-1535

Acct: 003 30090 00 (O)