APPLICATION CHECK LIST

Pre-Approval Application must include:

- ☒ Copy of electric and/or natural gas bill (include pages that list taxes and fees applied)
- ☒ Completed Section 1, Application, Page A-3, check "Pre-approval" box
- ☒ Completed Section 2, Building/Facility Information (for each Building), Page A-4
- ☒ Signed Section 3, Applicant Certification, Page A-5
- ☒ Manufacturer spec sheets
- ☒ Applicable Standard Incentive Worksheet(s) – Appendix B, or Custom Incentive Worksheet(s) – Appendix C for each building.
- ☒ For lighting projects, submit a Light Survey* for each building (sample form available for your use at www.illinoisenergy.org under Energy Efficiency)

Final Application must include:

- ☐ Copy of electric and/or natural gas bill (include pages that list taxes and fees applied), unless submitted with Pre-Approval
- ☐ Completed Section 1, Application, Page A-3, check "Final" box
- ☐ Completed Section 2, Building/Facility Information (for each Building), Page A-4
- ☐ Signed Section 3, Applicant Certification, Page A-5
- ☐ Manufacturer spec sheets, unless submitted with Pre-Approval or if equipment updated
- ☐ Updated Standard Incentive Worksheet(s) – Appendix B, or Custom Incentive Worksheets (s) – Appendix C for each building
- ☐ Invoices and receipts
- ☐ For lighting projects, submit a Final Light Survey* for each building (sample form available for your use at www.illinoisenergy.org under Energy Efficiency)

*Light Survey for **new fixtures** to include: room/area, quantity of existing fixtures, description and wattage of existing fixtures, quantity of new fixtures, description and wattage of new fixtures.

*Light Survey for all lighting **retrofits** to include: room/area, quantity, description of existing fixtures, number of lamps in existing fixtures and number of lamps in retrofit fixtures. Lamp total shall match number of lamps indicated in the Lighting Incentive Spreadsheet. Retrofit lamps and ballasts shall be listed at: http://www.cee1.org/com/com-lt/com-lt-main.php3

*Light Survey for Occupancy Sensors to include: room/area, wattage of fixtures controlled.

IEC

Ameren Energy Marketing
AmerenEnergyMarketing.com

ACCOUNT ID	8008000000
BILL MONTH	August 2011
BILL DATE	08/12/2011

INVOICE NUMBER	**569411081**
CURRENT CHARGES	**$21,500.79 DUE BY 09/27/2011**

TOTAL AMOUNT DUE	**$21,500.79**

FARMINGTON SD 265
212 N LIGHTFOOT RD
FARMINGTON, IL 61531

---To insure prompt credit to your account, please detach and include this top portion of your statement with your payment --- AR

Payment Mailing Address	**To overnight a check:**	**For ACH:**
Ameren Energy Marketing 23532 Network Place Chicago, IL 60673-1235	JP Morgan Attn Lockbox 23532 / Ameren Energy Marketing General 131 S Dearborn - 6th Floor Chicago, IL 60603	ABA Number: 071000013 Acct. Number: 771057304 Preferred Method: CTX

BILLING SUMMARY FOR ACCOUNT 8008000000

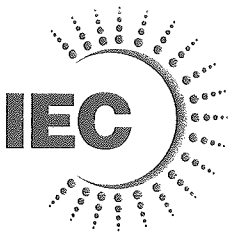
Description	Charge
Power Supply and Transmission Charge	$17,324.81
Ameren Illinois Delivery Service Charge	$4,175.98
Total Current Charges	$21,500.79
Total Amount Due	$21,500.79

For power outages and other electrical emergencies, please call your electric distribution company (Ameren Illinois) at (800) 232-2477

Balances not received by the due date are subject to a 1.5% late fee.

For questions related to your invoice or account, please email our Customer Care team at AEMCustomerCare@ameren.com or call (888) 451-3911.

Thank you for the opportunity to supply your energy needs. Ameren Energy Marketing appreciates your business.



ACCOUNT NUMBER
3929935007

SERVICE LOCATION
FARMINGTON CENTRAL CUSD 265 / 212 N LIGHTFOOT RD / FARMINGTON, IL 61531

SERVICE PERIOD: 06/30/2011 TO 08/01/2011

Meter Number	Start Time	Stop Time	Days	Total kWh	Peak KW
06325080	06/30/11 11:00:00	08/01/11 10:59:59	32	275,417	806.8 at 07/19 10:00

Charge Type	Quantity	Units	Rate	Charge
Power Supply and Transmission Charge	275,417	KWH	$0.0629039	$17,324.81
Ameren Illinois Delivery Service Charge				$4,175.98
Total Current Charges				$21,500.79

SECTION 1: GENERAL INFORMATION

Complete this form along with the appropriate forms and worksheets in Appendix B (Standard Incentive Program Worksheets) and/or Appendix C (Custom Incentive Program Worksheets). For this application form and associated worksheets, DCEO encourages the use of the Excel spreadsheet, Public Sector Application Certification Incentive Worksheets and Specs.xls, available at www.illinoisenergy.org under Illinois Energy Now under the Energy Efficiency link. Applying for electric and/or natural gas incentives from both DCEO and participating utilities for the same energy efficiency measure(s) is prohibited.

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

Name of Public Entity: Farmington Central School District 265		
Public Sector Class:		
Local Government ☐ **K-12 School** ☒ **Community College** ☐		
Public University ☐ **State Agency** ☐ **Federal Agency** ☐		
Project Manager: Scott Mallicoat		**Title:** District Maintenance Supervisor
Address: 212 N. Lightfoot Rd.	**City:** Farmington	**Zip:** 61531-_____
Telephone: 309-245-1000	**Fax:** 309-245-9161	**Email Address:** smallicoat@dist265.com
Contractor Information **Contact Name:** Stan Camp		**Company:** Roy Keith Electric
Address: 24001 W. Farmington RD	**City:** Farmington	**Zip:** 61531-_____
Telephone: 309-245-9911	**Fax:** 309-245-9994	**Email Address:**
Proposed Start Date: 11-1-11		**Planned Completion Date:** 12-5-11
Electric Utility ☒ **Ameren Illinois** ☐ **ComEd**		**Natural Gas Utility** ☐ **Ameren Illinois** ☐ **Nicor** ☐ **Peoples Gas** ☐ **North Shore**
Total Gas & Electric Incentive Requested:* $ 14,976		**Total Project Cost:**** $_____
Other Public Incentive Funds:*** $_____		**Specify:**_____
DCEO USE ONLY		
Standard Incentive: $_____		**Standard Incentive:** $_____
Custom Incentive: $_____		**Custom Incentive:** $_____
Total Incentive: $_____		**Total Incentive:** $_____

* Incentive cannot exceed 75 percent of total project cost. The combined DCEO incentives and other public source incentives cannot exceed 100 percent of total project costs.

** Total Project Cost = Equipment + Labor

*** Such as State Energy Program (SEP), Energy Efficiency and Conservation Block Grant (EECBG), Illinois Clean Energy Community Foundation (ICECF).

SECTION 2: BUILDING/FACILITY INFORMATION

Complete this Page A-4 for each building included in this Application.

If your application includes more than one building/facility, a separate Appendix A, Section 2, Page A-4, plus all associated worksheets (Appendices B & C) must be filled out for each building/facility and submitted as part of this application.

Location Name of Building/Facility: Farmington Central School		
Address: 212 N. Lightfoot Rd.	City: Farmington	Zip: 61531-_____
Electric Utility Account Number: 7710 57304	Gas Utility Account Number	
Electric Meter Number*: 06325080	Gas Meter Number*:	
Project Cost for this Building/Facility: $_____		

*If multiple meters, just list one meter number.

Required: ☒ **Attach Electric Bill** ☐ **Attach Natural Gas Bill**

Please include pages of bills that list Taxes and Fees applied

Check for availability of funds at www.illinoisenergy.org under the Energy Efficiency link before submitting an application to DCEO.

Subject to funding availability:

Where the public sector facility is located in Ameren Illinois or ComEd electric service areas, facility is eligible for electric efficiency incentives for those measures that produce electric savings. Measures include; lighting, electric HVAC equipment, motors, electric kitchen equipment.

Where the public sector facility is located in Ameren Illinois, Nicor Gas, Peoples Gas or North Shore Gas natural gas service areas, facility is eligible for natural gas efficiency incentives for those measures that produce natural gas savings. Measures include; natural gas HVAC equipment, natural gas water heaters, natural gas kitchen equipment.

Where the public sector facility is located in both a participating electric service area and natural gas service area, facility is eligible for both electric and natural gas efficiency incentives.

SECTION 3: APPLICANT CERTIFICATIONS FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applicant hereby certifies that:

- For electric energy projects, the project received electric delivery service from Ameren Illinois or ComEd. **A copy of the electric utility bill or other documentation must be submitted with this Application.**
- For natural gas energy projects, the project received natural gas delivery service from Ameren Illinois, Nicor, Peoples or North Shore. **A copy of the gas utility bill or other documentation must be submitted with this Application.**
- All authorizations required to perform the project, described in its application, have either been obtained or will be obtained no later than 90 days following the grant beginning date set forth in the Notice of Grant Award issued by the Department.
- The project complies with all applicable state, federal, and local environmental and zoning laws, ordinances, and regulations and that all required licenses, permits, etc., have either been obtained or will be obtained no later than 90 days following an award by DCEO.
- It is not in violation of the prohibitions against bribery of any officer or employee of the State of Illinois as set forth in 30 ILCS 505/10.1.
- 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).
- It is not in violation of the Educational Loan Default Act (5 ILCS 385/3).
- I understand that the State Finance Act, 30 ILCS 105/30 may apply and that payments under this incentive program are contingent upon the existence of a valid appropriation, and that no officer, institution, department, board or commission shall contract any indebtedness on behalf of the State, or assume to bind the State in an amount in excess of the money appropriated, unless expressly authorized by law.
- 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 individual signing below is authorized to submit this application.

Authorized Official (signature)*

309-245-1000
Telephone

John Aspland
Typed/Printed Name

309-245-9161
Fax

Superintendant 8-29-11
Title Date

37-0913692
FEIN Number (9 digits, Federal Employment Id Number, does not start with "E")

Farmington Central School District 265
Name of Public Entity

212 N. Lightfoot Rd
Authorized Signature Address

Farmington, IL 61531
Authorized Signature City, 9 Digit Zip (find 9-Digit Zip at http://zip4.usps.com/zip4/welcome.jsp)

JASPLUND@Dist265.com
Authorized Signature E-mail Address

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

LITHONIA LIGHTING

Catalog Number	IBZ454L277CS11WWGIBZ14
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The I-BEAM fluorescent high bay is ideal for new construction and renovation projects. It is a one-for-one replacement of common metal halide high bay systems. The unique Cool Running Plus™ technology provides industry-leading, trouble-free operation in ambient temperatures up to 155°F (68°C). Applications include manufacturing, warehousing, commercial and industrial facilities. The I-BEAM fixture performs well at mounting heights from 15'-40'. **Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — The highly configurable design of the I-BEAM high bay allows for a multitude of fixture options that can either be factory- or field-installed. The easy-access ballast channel houses the proprietary Cool Running Plus technology, which is the most advanced fluorescent ballast technology available for fluorescent high bay lighting. It has independent lamp operation to reduce lamp maintenance costs, is fast-starting to improve occupancy sensing, and a proprietary thermal-sensing processor that allows for reliable operation in environments where ambient temperatures can reach up to 155°F (68°C).

In addition to the reliable operation of I-BEAM fixtures, the reflectors tightly control the distribution of light and effectively manage lamp heat to increase the overall efficiency. The result is superior optics in either narrow distribution for aisles, or wide distribution for general lighting. Installation is made quick and easy with I-BEAM hanging accessories such as the aircraft cable and single-point mounting bracket. I-BEAM fixtures can be factory-wired to have both sensors and cordsets, further reducing installation time. The configurability, performance and ease of installation make I-BEAM fixtures the preferred choice for fluorescent high bay lighting.

Channel is formed of heavy-duty code-gauge (22-gauge) steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage or movement of sockets during handling and installation. Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring.

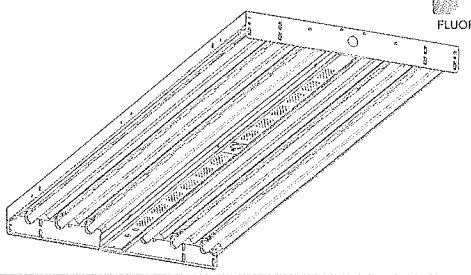
Finish: Channel is high-gloss white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

OPTICS — Two optical systems are available. Narrow distribution is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing Alanod Miro© 4 specular aluminum reflector. Provides 95% reflectivity and warranted for 25 years. Wide distribution includes high-reflectance white finish for general or open areas.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures. Ballast disconnect (BDP) is standard unless EL14 or cordset is requested.

INSTALLATION — Suitable for suspension by chain, cable, surface-mounting bracket to maintain HO listing, hook monopoint or single (pendant) monopoint.

I-BEAM®
FLUORESCENT HIGH BAY LIGHTING
IBZ



Fluorescent High Bay
4-, 6- or 8-lamp T5
Patent Pending

COOL RUNNING TECHNOLOGY

SPECIFICATIONS	4-lamp	6-lamp	8-lamp
Length	48-1/16 (1221)	48-1/16 (1221)	48-1/16 (1221)
Width	13-1/4 (337)	18-1/8 (460)	23-7/8 (606)
Depth	2-3/8 (60)	2-3/8 (60)	2-3/8 (60)
Weight	15 lbs. (6.8 kg)	19 lbs (8.6 kg)	24 lbs. (10.9 kg)

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

LISTINGS — CSA Certified to U.S. and Canadian safety standards (UL1598 and CSA 250.0-08) for 55°C and 40°C lensed.

WARRANTY — Guaranteed for one year against mechanical defects in manufacturing.
Ballast is backed by manufacturer for five years when operated in 155°F or less ambient conditions.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options.**

Example: IBZ 454L

IBZ

Series

IBZ	I-BEAM

For tandem double-length unit, add prefix "T". Ex: TIBZ

Number of lamps/wattage

Lamps installed[1]		Unlamped	
454L	4-lamp 54W T5HO	**454**	4-lamp 54W T5HO
654L	6-lamp 54W T5HO	**654**	6-lamp 54W T5HO
854L	8-lamp 54W T5HO	**854**	8-lamp 54W T5HO

Shielding[2]

(blank)	No shielding
A12125	Pattern 12 acrylic, 0.125"[3]
ACL	Clear acrylic, 0.125"[3]
PCL125	Clear polycarbonate, 0.125"[3]

Distribution

(blank)	Narrow distribution, ≤4% uplight
NDU	Narrow distribution, enhanced uplight, ≤13% uplight
WD	Wide distribution, ≤4% uplight
WDU	Wide distribution, enhanced uplight, ≤13% uplight

Voltage

(blank)	MVOLT; 120-277V
HVOLT	347V-480V[4]

Ballast configuration

(blank)	Standard configuration

For other options, refer to Ballast Configuration on page 2.

Ballast

(blank)	T5 electronic, 1.0 BF, programmed rapid start

Lamps installed

(blank)	F54T5HO/841[5]	**Amalgam lamps[6]**	
P835E49	F54T5HO/835[5]	LP841A	F54T5HO/841
P850E49	F54T5HO/850[5]	LP835A	F54T5HO/835
		LP850A	F54T5HO/850

Options

EL14	Emergency battery pack[7,8,9]
EL14SD	Emergency battery pack w/ self-diagnostics[7,8,9]
FSP	Integral side panels
GLR	Internal fast-blow fuse[8]
GMF	Internal slow-blow fuse[8]
IWMP	Integrated modular plug[10]
MSI	Aisle motion sensor pre-wired[8]
MSI360	360° motion sensor pre-wired[8]
MSE360	360° motion sensor embedded[8]
OCS	RELOC® OnePass® 5' installed[8]
WGX	External wireguard installed
2WGX	External wireguard installed on bottom of fixture[13]
I162	1250 lumens per lamp battery
OUTCR	Wiring leads pulled through back center of fixture[14]

Cords: See page 2.

Accessories: *Order as separate catalog number.*

IBAC120 M20	Aircraft cable 10' Y hanger (one pair)
IBAC240 M20	Aircraft cable 20' Y hanger (one pair)
WGIBZXX	Wireguard, white finish (see chart on page 2)
IBHMP	Hook monopoint
IBZTFC	Tandem coupler and side panel
IBZPMP	Pendant monopoint splice box, includes side covers (3/4" hub)[15]
HBBS36	Chain hanger, 36"
IBZSMB	Surface-mounting bracket (one pair)

Notes

1 Lamps installed are F54T5HO/841/EA/ALTO (49W) unless otherwise specified.
2 5/55°F warranty with open fixtures only.
3 For wireguard in door frame, add "WG" to shielding. Ex: A12125WG.
4 Not available with Cool Running Plus ballast.
5 49W lamps.
6 Not for use with motion sensors.
7 UL Listed for 55°C. Output in emergency mode varies with ambient temperature (approx. 944 lumens at 25°C and 911 lumens at 45°C). Single-lamp operation only. Not available with HVOLT.
8 Specify voltage.
9 Not available with IBZPMP.
10 Must be factory-installed.
11 Recommended for heights of 30-40'. Not available with 208V or 480V.
12 Max 2500 lumens when used with 54W T5 lamps up to 55°C ambient temperatures (not available with HVOLT).
13 One wireguard shipped as separate line item for top installation in field.
14 Not available with MSE360 option.
15 When ordering IBZPMP, two-ballast configurations are recommended. Ex: 2/2.

Cord Set Option:

Add suffix to end of catalog number, specify voltage. All cord sets are 18/3, 6', white unless otherwise noted. Other configurations available, consult factory.

Suffix	Description
CS1W	Straight plug, 120V
CS3W	Twist lock, 120V
CS7W	Straight plug, 277V
CS11W	Twist-lock, 277V
CS25W	Twist-lock, 347V
CS97W	Twist-lock, 480V
CS93W	600V SO white cord, no plug (no voltage required)

Wire Guard Accessories:

Order as a separate catalog number.

Wire guard	Description
WGIBZ14	Standard four-lamp
WGIBZ19	Standard six-lamp
WGIBZ24	Standard eight-lamp

Modular Accessories:

Order as a separate catalog number. All cord sets are 18/3, 6', white unless otherwise noted. Must include "IMP" option on fixture.

Suffix	Description
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS93WIMP	600V SO white cord, no plug (no voltage required)
MSIIMP	Aisle sensor[1]
MSI360IMP	360° sensor[1]
OCSIMP	**RELOC® 5' OnePass®**

Field-installable Door and Lens Assemblies:[2]

Lens Type	4-lamp Nomenclature	6-lamp Nomenclature
A12125	DLIBZ14 A12125	DLIBZ19 A12125
ACL	DLIBZ14 ACL	DLIBZ19 ACL
PCL125	DLIBZ14 PCL125	DLIBZ19 PCL125

Standard Ballast Configurations:

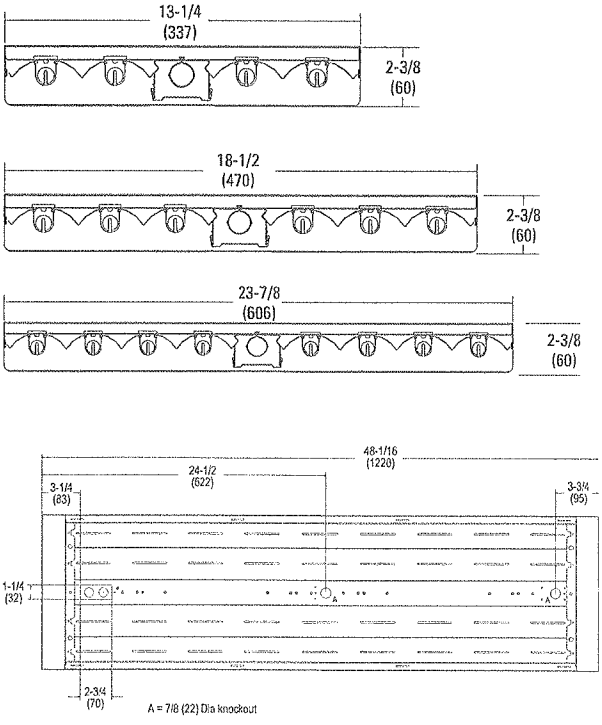
4-lamp: One four-lamp ballast
6-lamp: One two-lamp and one four-lamp ballasts
8-lamp: Two four-lamp ballasts

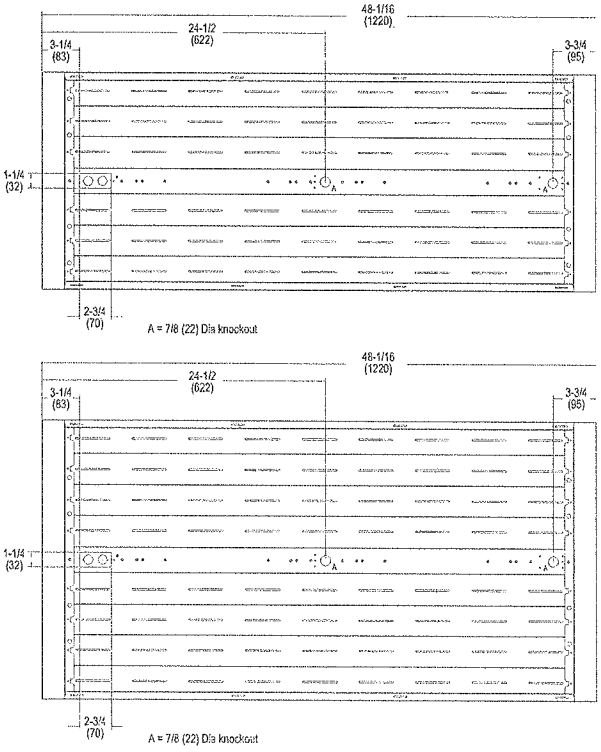
Notes:

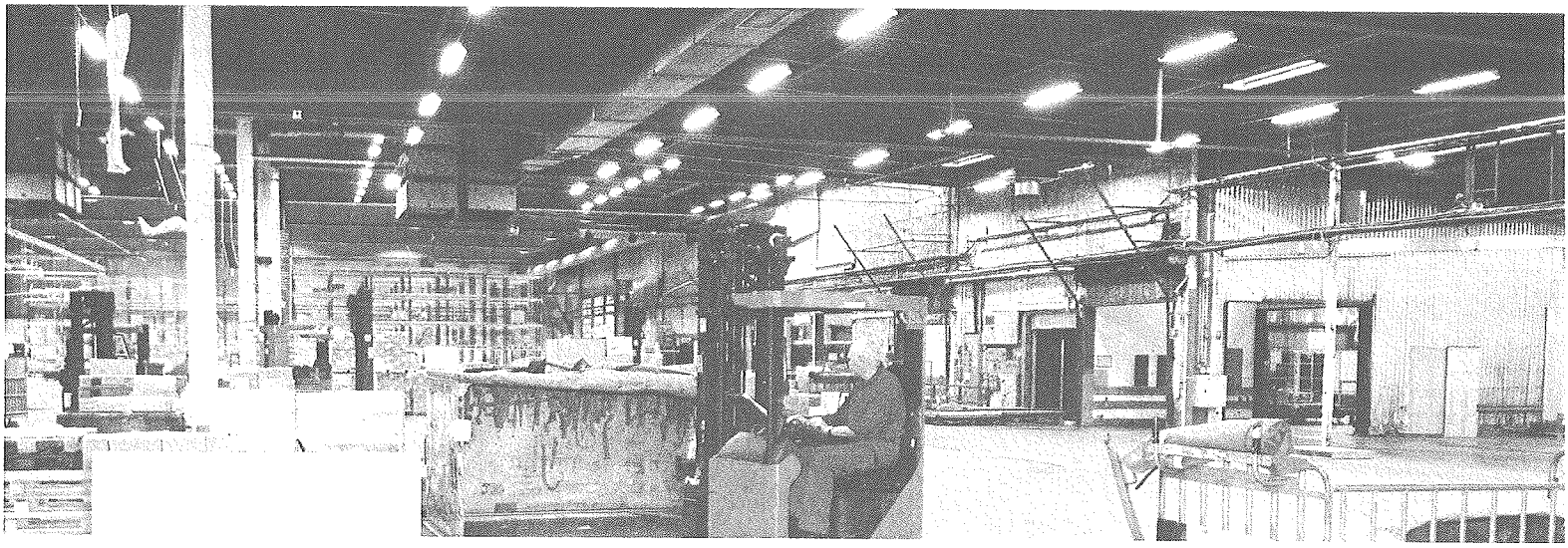
1 Must have "IMP" power cord to power fixture. 120/277 voltage only.
2 Add WG to nomenclature if wire guard is to be installed in door frame, ex: DLIBZ14 A12125WG.

DIMENSIONS

Inches (millimeters). Subject to change without notice.







The Next Innovation

Reliable operation up to 155° F with Cool Running Plus™ Technology

Lithonia Lighting® and Philips Lighting Electronics continue a tradition of leadership by introducing the latest innovation for fluorescent high-bay applications. When ambient temperatures rise, lighting systems heat-up shortening system life. Cool Running Plus™ Technology gives you peace of mind with **reliable operation up to 155° F**, the highest ambient temperature performance on the market. Depend upon our exclusive Cool Running Plus™ thermal guard technology to keep your ballast components running cool, maximizing their life.

In addition, these ballasts are parallel-wired which provides independent lamp operation within the fixture. When one lamp reaches its end-of-life (EOL) the **remaining lamps stay illuminated**, which means you change out only the lamps that need to be replaced. This maintains light levels by minimizing dark lamps, which reduces the urgency of relamping.

Philips Advance Optanium ballasts are optimized for Philips Energy Advantage 49W T5HO lamps resulting in **38W of energy savings** in a six-lamp fixture.[1] And an industry leading 5-year lamp and ballast system warranty.[2] Furthermore, these ballasts offer enhanced two-level switching to provide an **additional 21W of energy savings** when operated in low-power mode.[1] All-in-all, the Philips Advance branded ballast with Cool Running Plus™ Technology - found exclusively in Lithonia Lighting luminaires - helps you improve your payback and reduce maintenance expenses.

- Independent Lamp Operation
  Helps reduce maintenance costs as more lamps stay illuminated when lamps reach end-of-life minimizing costly lamp replacement and disposal.

- Faster Starting Programmed Start
  Lamps start in less than one second, improving lighting system response to occupancy sensors.

- Enhanced Two-Level Switching
  Provides an additional 24W of energy savings when operated in low-power mode.

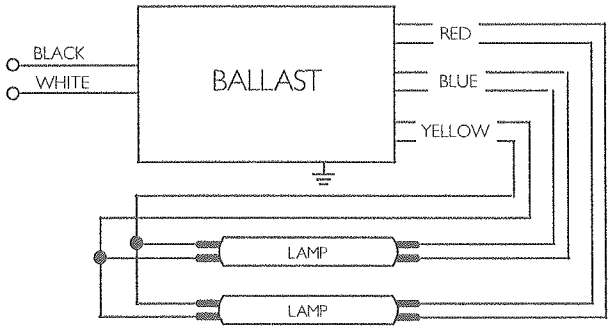
1. When compared to standard Philips Advance T5HO ballasts and Philips T5HO 54W lamps at 277V.
2. For up-to-date warranty information go to www.philips.com/advancewarranty.

COOL RUNNING TECHNOLOGY

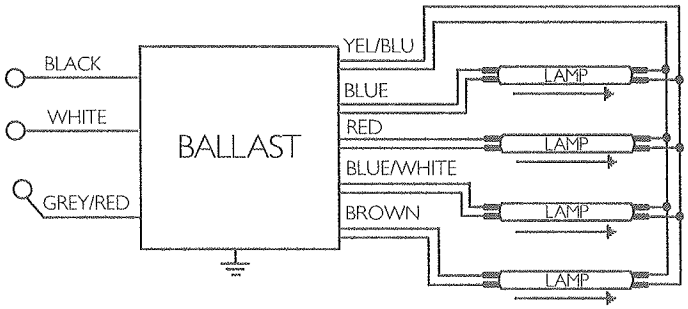
POWERED BY PHILIPS ADVANCE QUALITY BALLAST

Number	Input Volts	Starting Method	Ballast Family	Catalog Number	Input Power ANSI (Watts)	Ballast Factor	Max. THD %	Line Current (Amps)	Min. Starting Temp (F/C)	Dim.	Wiring Dia.
Philips F54T5/HO 49W Energy Advantage Lamps (at 100% output) - Extended 5-year Warranty											
1	120-277	PS	Optanium	ICRP-2PSP54-90C	57	1.00	10	0.47-0.21	-20/-29	B	78
2	120-277	PS	Optanium	ICRP-2PSP54-90C	109-105	1.00	10	0.91-0.38	-20/-29	B	78
3	120-277	PS	Optanium	ICRP-4PSP54-90C	162-159	1.00	10	1.35-0.58	-20/-29	G	79
→ 4	120-277	PS	Optanium	ICRP-4PSP54-90C	214-208	1.00	10	1.79-0.76	-20/-29	G	79
Philips F54T5/HO 49W Energy Advantage Lamps (utilizing two level switching)											
2	120-277	PS	Optanium	ICRP-4PSP54-90C	97-96	0.85	10	0.81-0.36	-20/-29	B	79
F54T5/HO 54W - Standard Warranty											
1	120-277	PS	Optanium	ICRP-2PSP54-90C	60	1.00	10	0.50-0.22	-20/-29	B	78
2	120-277	PS	Optanium	ICRP-2PSP54-90C	117-114	1.00	10	0.98-0.41	-20/-29	B	78
3	120-277	PS	Optanium	ICRP-4PSP54-90C	176-174	1.00	10	1.47-0.83	-20/-29	G	79
4	120-277	PS	Optanium	ICRP-4PSP54-90C	235-229	1.00	10	1.96-0.83	-20/-29	G	79

Wiring Diagrams/Dimensions



Diag. 78



Diag. 79

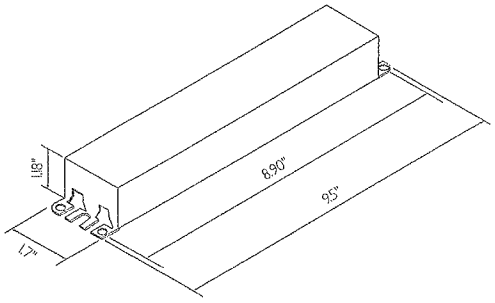


Fig. B

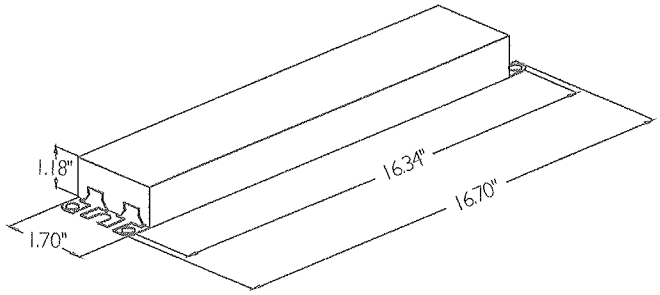


Fig. G

Philips Energy Advantage
T5 HO 49W Lamps
featuring ALTO®
Lamp Technology

Ideal for medium-bay and high-bay retail and industrial applications

Energy Advantage

† This lamp is better for the environment because of its reduced mercury content. All Philips ALTO® lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

* Fluorescent lamps that are TCLP compliant reduce the amount of pollutants released into the environment.

Maximize energy savings without sacrificing light output

Philips Energy Advantage T5 HO 49W lamps are environmentally-responsible, ultra-slim and have extraordinary light output with increased energy savings.

Reduced maintenance and disposal costs

- Long life (35,000 hrs RAL**) for an extended relamping cycle
- Warranty period: 36 months

Outstanding energy savings

- Save 5 watts when switching from a standard T5 HO 54W lamp, with no sacrifice to performance
- Save $17.50 instantly in energy costs over the rated average life§ of the lamp
- Operates on any Programmed Start ballast

Sustainable lighting solution

- Reduces the impact on the environment: low mercury, energy efficiency, long life, and less material
- Only 1.4 mg of mercury, the lowest in the industry
- With just 12 Picograms per lumen hour◊, these lamps allow for more design freedom and help exceed all LEED requirements‡

(**, §, ◊, ‡ See back of page for footnotes)

PHILIPS

sense and simplicity

Philips Energy Advantage T5 HO 49W lamps featuring ALTO® Lamp Technology

Ordering, Electrical and Technical Data (Subject to change without notice)

	Product Number	Ordering Code	Nom. Watts	Pkg. Qty	Color Temp. (Kelvin)	Nom. Length (in)	Rated Average Life (Hrs)[2] 3 hr. Start[3]	12 hr. Start[3]	Approx. Initial Lumens[4]	Design Lumens[6]	CRI	Lumen Maint.
Ⓔ	22049-1	F54T5/830/HO/EA/ALTO 49W	49	40	3000	46	25,000	35,000	5000	4750	85	95%
Ⓔ	22050-9	F54T5/835/HO/EA/ALTO 49W	49	40	3500	46	25,000	35,000	5000	4750	85	95%
Ⓔ	22052-5	F54T5/841/HO/EA/ALTO 49W	49	40	4100	46	25,000	35,000	5000	4750	85	95%
Ⓔ	40649-6	F54T5/850/HO/EA/ALTO 49W	49	40	5000	46	25,000	35,000	4850	4625	82	95%

1) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

2) Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.

3) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.

4) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions.

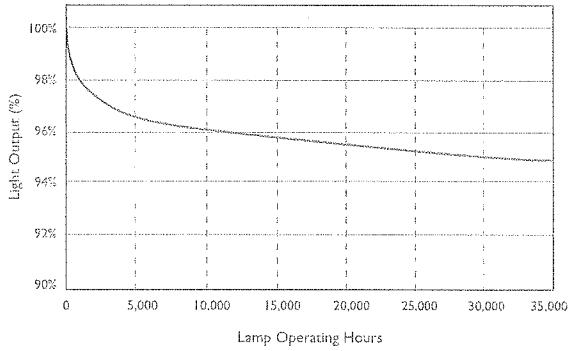
5) For expected lamp lumen output, commercial ballast manufacturers can advise the appropriate ballast factor for each of their ballasts when they are informed of the designated lamp. The ballast factor is a multiplier applied to the designated lamp lumen output.

6) Design lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.

Ⓔ Lamp meets US Federal Minimum Efficiency Standards.

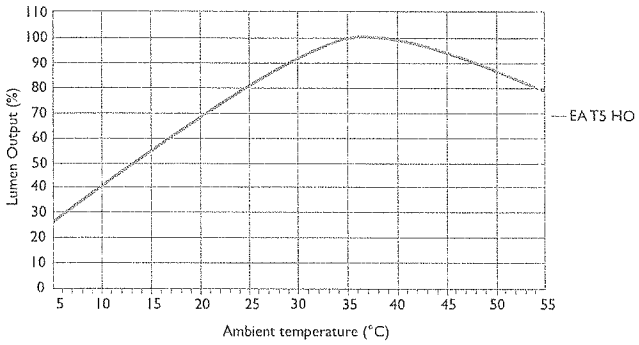
95% Lumen Maintenance

Energy Advantage T5 HO 49W



Lumens vs. Ambient Temperature

Energy Advantage T5 HO 49W



Footnotes from front:

** Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

§ 5W saved x 35000 hrs (rated average life) / 1000 x .10

◊ Picogram calculation: mercury content (mg) * 1,000,000,000 / (RAL x design lumens) = picogram per lumen hour

‡ For more information on LEED, please visit www.usgbc.org

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Markham, Ontario
Canada L6C 2S3
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A Division of Philips Electronics Ltd.

Building/Facility: FARMINGTON CUSD#265 Address: 212 N. LIGHTFOOT RD, FARMINGTON IL, 61531 Project #:

Lighting Incentive Worksheet - DCEO Public Sector Energy Efficiency Program 2011-2012

Equipment Type	(A) Incentive	Unit	(B) # of Units	(A*B) Incentive
Compact Fluorescent Lamps (Screw-in)				
15 W or Less	$1.50	Lamp		$0.00
16 W - 26 W	$1.50	Lamp		$0.00
27 W or Greater	$2.00	Lamp		$0.00
Hardwired Compact Fluorescent Fixtures				
29 W or Less	$45.00	Fixture		$0.00
30 W or Greater	$82.00	Fixture		$0.00
Delamp, Permanent Lamp Removal - *Pre-approval application is required*				
Delamp, 4-foot Lamp, Ballast, Holders	$12.00	Lamp		$0.00
Delamp, 8-foot Lamp, Ballast, Holders	$15.00	Lamp		$0.00
Delamp, 4-foot Lamp, add Reflector	$22.00	Lamp		$0.00
Delamp, 8-foot Lamp, add Reflector	$29.00	Lamp		$0.00
High Performance or Reduced Wattage 4-foot T8				
4-foot Lamp and Ballast	$13.00	Lamp		$0.00
4-foot Reduced Watt Lamp Only	$1.50	Lamp		$0.00
Reduced Wattage 8-foot T8				
8-foot Lamp and Ballast	$22.00	Lamp		$0.00
8-foot lamp only	$2.50	Lamp		$0.00
Specialty T8 Lamps and Ballasts				
4-foot U-Tube and Ballast	$7.00	Lamp		$0.00
2-foot Lamp and Ballast	$7.00	Lamp		$0.00
3-foot Lamp and Ballast	$12.00	Lamp		$0.00
LED Lighting				
LED T-1 Electroluminescent Exit Signs	$25.00	Signs		$0.00
LED Lamp/Fixture	$15.00	Lamp		$0.00
Metal Halide				
Integrated Ballast Ceramic Metal Halide Lamps	$7.50	Fixture		$0.00
Pulse Start or Ceramic, 100 W or Less	$33.00	Fixture		$0.00
Pulse Start or Ceramic, 101 W - 200 W	$57.00	Fixture		$0.00
Pulse Start or Ceramic, 201 W - 350 W	$66.00	Fixture		$0.00
Induction Lighting				
Interior Induction Fixture 160W or less	$45.00	Fixture		$0.00
Interior Induction Fixture greater than 160W	$90.00	Fixture		$0.00
Controls				
Occupancy Sensors	$0.16	Connected Watts Controlled		$0.00
Plug Load Occupancy Sensor	$15.00	Sensors		$0.00
Bi-Level Stairwell/Hall/Garage Fixtures w/ integrated sensors	$70.00	Fixture		$0.00

T8/T5 New Fluorescent Fixtures with Electronic Ballast (Pre-approval application is required)					Existing Fixture Wattage	Number of Existing Fixtures	New Fixture Wattage	Number of New Fixtures
Total Existing Fixture Watts less total New Fixture Watts	$0.75	Connected Watts Reduction	19968	$14,976.00	400	104	208	104
Total Existing Fixture Watts less total New Fixture Watts	$0.75		0	$0.00				
Total Existing Fixture Watts less total New Fixture Watts	$0.75		0	$0.00				

LED traffic signal modules. LED Signal Head consists of 1 red, 1 green and 1 yellow ball module. Arrow and Pedestrian LED Modules consist of 1 module (any color). Pedestrian Combo consists of walk/hand/countdown.				
8" Traffic LED Signal Head	$125.00	Module		$0.00
12" Traffic LED Signal Head	$150.00	Module		$0.00
8" Arrow LED Module	$33.00	Module		$0.00
12" Arrow LED Module	$57.00	Module		$0.00
8"-9" Pedestrian LED Module	$49.00	Module		$0.00
12" Pedestrian LED Module	$57.00	Module		$0.00
16"x18" Pedestrian Combo	$57.00	Module		$0.00
Total				**$14,976.00**

Applicant FARMINGTON CUSD #265

Building MAIN CAMPUS

	EXISTING						NEW						RETROFIT		DELAMPED			Occupancy Sensors
Room #	Room Name	Existing Lighting Descrip	# Fixtures	Number of Lamps Per Fixture	Existing Fixture Wattage	Existing Total Wattage	New Lighting Descrip	# Fixtures	Number of Lamps Per Fixture 4'	Number of Lamps Per Fixture 8'	New Fixture Wattage	New Total Wattage	Total Lamps 4'	Total Lamps 8'	Number of Delamped Fixtures	Lamps per Delamped Fixture	Total Delamped	Occupancy sensor Controlled Wattage
	HIGH GYM	350W MH	48	1	400	19200	T5HO	48	4		208	9984					0	
	JR GYM	350W MH	20	1	400	8000	T5HO	20	4		208	4160					0	
	SOUTH GYM	350W MH	20	1	400	8000	T5HO	20	4		208	4160					0	
	NORTH GYM	350W MH	16	1	400	6400	T5HO	16	4		208	3328					0	
Totals			104			41600		104				21632	0	0			0	0

RKE

Roy Keith Electric Company
Electrical Contractor
24001 W. Farmington Road
Farmington, IL 61531
Phone: 309-245-9911 Fax: 309-245-9994

March 15, 2011

Farmington Central CUSD #265
212 North Lightfoot Road
Farmington, Illinois 61531
Phone: (309) 245-1000
Fax: (309) 245-9161

Attn: Mr. Scott Mallicoat

Re: Gymnasium Retrofit

Dear Mr. Mallicoat,

We are pleased to submit the following quotations on the above referenced electrical work.
Our proposal work scope is as follows:

1. Remove existing light fixtures and turn over to school
2. Furnish and install hardware to hang new fixtures at existing light locations
3. Install new light fixtures furnished with cord, plug, air craft cable hanger, and wire guard (Fixture assemblies furnished by school)

The following listed items are excluded from our proposal:

A. Bond
B. Premium Time
C. State and Local Taxes
D. Disposal of Existing Fixtures

High School Gym 48 Fixtures Quotation: $3,948.00
Junior High Gymnasium 20 Fixtures Quotation: $1,655.00
North Elementary Gymnasium 16 Fixtures Quotation: $1,336.00
South Elementary Gymnasium 20 Fixtures Quotation: $1,655.00

Quotation is based on commodities (steel, copper, etc.) pricing as of March 15, 2011; any deviation in that pricing shall alter the above quotation in like manner.

This letter shall become a part of the "Scope of Work" section of any contract or purchase order arising from the above quotation.

Quotation is subject to change after thirty days.

Thank you for requesting our quotation.

Yours very truly,
Roy Keith Electric Company

Stanley E. Camp, Vice President

Scott Mallicoat

From: Cory Froelich [CFroelich@SpringfieldElectric.com]
Sent: Friday, August 19, 2011 2:25 PM
To: Scott Mallicoat
Cc: Cory Froelich; Stan Camp
Subject: FARMINGTON CUSD#265- 4 LAMP T5 OPTION

Scott,

Please see breakdown per school below. Energy savings is an estimate based on an energy rate of $.08 per/KWH and 5000 hours per year. Proposed fixtures are a 4 lamp T5 with lamps, wire guard, cord w/277V twist lock plug, and a pair of aircraft cable hangers. DCEO incentive is an estimate only and will require pre-approval. Don't hesitate to contact me with questions.

HIGH SCHOOL GYM-
EXISTING FIXTURES- (48) 350W MH
PROPOSED FIXTURES- (48) 4 LAMP T5 HIGH PERFORMANCE
ANNUAL ENERGY SAVINGS- $3,686
DCEO INCENTIVE- $6,912
FIXTURE COST- $198.00 EA.

JUNIOR HIGH GYM-
EXISTING FIXTURES- (20) 350W MH
PROPOSED FIXTURES- (20) 4 LAMP T5 HIGH PERFORMANCE
ANNUAL ENERGY SAVINGS- $1,536
DCEO INCENTIVE- $2,880
FIXTURE COST- $198.00 EA.

SOUTH ELEMENTARY GYM-
EXISTING FIXTURES- (20) 350W MH
PROPOSED FIXTURES- (20) 4 LAMP T5 HIGH PERFORMANCE
ANNUAL ENERGY SAVINGS- $1,536
DCEO INCENTIVE- $2,880
FIXTURE COST- $198.00 EA.

NORTH ELEMENTARY GYM-
EXISTING FIXTURES- (16) 350W MH
PROPOSED FIXTURES- (16) 4 LAMP T5 HIGH PERFORMANCE
ANNUAL ENERGY SAVINGS- $1,229
DCEO INCENTIVE- $2,304
FIXTURE COST- $198.00 EA.

Thanks,

Cory Froelich
Springfield Electric Supply Company
225 W. Washington St.
East Peoria, IL 61611

Scott Mallicoat

From: Scott Mallicoat
Sent: Monday, August 22, 2011 10:28 AM
To: John Asplund
Subject: RE: GYm Light Quotes

John, there are two options a four lamp and a six lamp fixture, the four lamp will be very comparable to the lighting levels that we currently have and would give the greater incentive. The fixtures 48 X 198 = $9,504

Labor $3,948
=$13,452

DCEO incentive - $6,912
= $6,540 Cost to the district
With annual savings = $3,686

Less than a two year payback with incentive and energy savings looking into HS gym only for example.

Currently we are faced with the need to relamp at a cost of 48 X $29.470 = $1414.56 just for high school gym. I think we should make application to get firm numbers to review and if you want, bring forward to building and grounds committee.

Please let me know your thoughts,
Thank you for your consideration in this project.
Scott M.

Scott Mallicoat
District Maintenance Supervisor
Farmington School CUSD #265
212 N. Lightfoot Rd.
Farmington, IL 61531
309-245-1000 X 6 ph
309-245-9161 fax

From: John Asplund
Sent: Monday, August 22, 2011 8:58 AM
To: Scott Mallicoat
Subject: Re: GYm Light Quotes

Scott, if I'm reading this correctly, we would need to pay for the lamp fixtures at a cost of approximately $9000. DCEO will provide a grant of $6786 and the annual energy savings would be $3619 (obviously, this last number is an estimate). So, out of the box, we are already saving over $1000 in the first year? Is that correct?

From: Scott Mallicoat <smallicoat@dist265.com>
Date: Mon, 22 Aug 2011 08:43:55 -0500
To: John Asplund <jasplund@dist265.com>
Subject: FW: GYm Light Quotes