

PLEASURE DRIVEWAY and PARK DISTRICT of PEORIA, ILLINOIS

Planning, Design and Construction Division ▪ 1314 N. Park Road
Peoria, IL 61604 ▪ Phone (309) 686-3386 ▪ Fax (309) 686-3383

August 14, 2012

Request For Quotes

Owens Recreation Center – Ice Rink Relighting

Quotes shall include all labor, material, equipment, and incidentals required to provide a complete project per the description below at the Owens Recreation Center located in Lakeview Park, at 1019 W. Lake Avenue, Peoria, IL. All work must conform to all applicable local, state, and national building codes.

Contractor is responsible for field verifying all quantities of light fixtures to be replaced and P&S twist lock plug catalog number prior to submitting quote. A sample P&S twist lock plug is available for review. Please contact me at 686-3386 to schedule access to this area. Quotes will be due on Tuesday, August 28, 2012 by 2:00 p.m. at the Planning, Design and Construction Division office located in Bradley Park. Quotes can be faxed, emailed to rfredrickson@peoriaparks.org or hand delivered to the address noted above.

General Description and Scope of Work:

Replace 45 – 400 watt Metal Halide HID fixtures in Rink #1 with 6 lamp T5 fixtures.

Replace 9 – 250 watt Metal Halide HID fixtures in Rink #1 with 6 lamp T8 fixtures.

Relocate the 400 watt Metal Halide HID fixtures to Rink #2 and remove and properly dispose of the existing 250 watt Metal Halide fixtures in Rink #2.

Fixtures/Lamps:

Fixtures shall be Lithonia, Cooper, or approved equal. Catalog cuts for Lithonia and Cooper are attached.

Fixtures shall be provided complete with all mounting accessories, lamps, and wire guard.

Lamps and ballasts will be furnished as required to meet Ameren rebate programs in effect at the time.

Fixtures shall be cable hung with a self-gripping cable on each end of the fixture.

Lamps shall be SPX41. Catalog cuts for standard and "Coverguard" shatter protected lamps are attached.

Provide an alternate lamp price to furnish and install shatter proof safety coated lamps.

PEORIA PARK BOARD

TIMOTHY J. CASSIDY
President

ROGER P. ALLEN
Trustee

KELLY A. CUMMINGS
Trustee

JAMES T. HANCOCK
Trustee

ROBERT L. JOHNSON, SR.
Trustee

JACQUELINE J. PETTY
Trustee

MATTHEW P. RYAN
Trustee

BONNIE W. NOBLE - Director of Parks and Recreation

Furnish and install, on each new fixture, P&S S-2348-DF twist lock plug and proper length cord on the new fixtures to connect to the existing power hook. If this plug is not available provide a matching twist lock plug and receptacle to fit in the existing power hook assembly.

Installation:

Fixtures shall be installed in a true and straight line. Fixtures straying from a true line will be adjusted to the Owner's satisfaction.

All work shall be performed during normal working hours but shall not interfere with the Owner's scheduled activities. Owner will provide schedule of activities but are subject to change.

Lifts may be used on the ice but verify with Owner if ice protection is required.

Any debris shall be cleaned up at the end of each day's work. Broken lamps shall be immediately cleaned up.

Schedule:

Quotes are due on Tuesday, August 28, 2012 by 2:00 p.m. at the Planning, Design and Construction Division office located in Bradley Park. Quotes can be faxed, emailed to rfredrickson@peoriaparks.org or hand delivered to the address noted above.

This project is tentatively scheduled to be approved by the Park District Board of Trustees on September 12, 2012. Actual work shall be completed on or before October 26, 2012.

Administrative Requirements

Submitted with quote:

1. EEO Certification – A completed Certificate of Equal Employment Opportunity Compliance (form attached) must be submitted with quotes if not currently approved.
2. Workforce Profile – A completed Workforce Profile (form attached) must be submitted if not currently approved.
3. Sexual Harassment Policy – A sexual harassment policy must be submitted for approval if not currently on file. Sample attached.
4. W-9 Taxpayer Identification Form: Bidder must complete and sign the form included in this package.
5. Substance Abuse Prevention Program Certification – Submit provided form with appropriate section completed. If Part B of the form is completed, your company's Substance Abuse Policy must be submitted for approval.
6. Certification of Safety Compliance – A completed certification of safety compliance (form attached) must be submitted.
7. Illinois Drug Free Workplace Certification – A completed certification of safety compliance (form attached) must be submitted.

PEORIA PARK BOARD

TIMOTHY J. CASSIDY
President

ROGER P. ALLEN
Trustee

KELLY A. CUMMINGS
Trustee

JAMES T. HANCOCK
Trustee

ROBERT L. JOHNSON, SR.
Trustee

JACQUELINE J. PETTY
Trustee

MATTHEW P. RYAN
Trustee

BONNIE W. NOBLE - Director of Parks and Recreation

Required forms after Award is made before work can begin:

1. Insurance Requirements: A Certificate of Insurance and Endorsement with a minimum of one million (\$1,000,000) of liability coverage, naming the Peoria Park District as Additional Insured, will be required, before work begins. Verification that all employees who will be working at the site are currently covered by Workers Compensation Insurance will also be required. See Attachment A-6.
2. Bonding Requirements - A Performance Bond and a Labor & Material Bond (forms attached), each in the amount of the awarded quote, will be required.

Forms to be submitted with pay requests and project closeout:

1. Certified Payroll – Prevailing wage is required for this job. A certified payroll form must accompany all requests for payment. A sample form is attached, but contractor may use own form.
2. Weekly Workforce Reports – Contractor shall submit completed Weekly Workforce Report (forms attached) for each week until project is completed.
3. Pay Requests

Please contact me at 686-3386 if you have any questions or concerns.

Sincerely,

Rebecca Fredrickson
Superintendent of Planning, Design, & Construction Dept.

PEORIA PARK BOARD

TIMOTHY J. CASSIDY
President

ROGER P. ALLEN
Trustee

KELLY A. CUMMINGS
Trustee

JAMES T. HANCOCK
Trustee

ROBERT L. JOHNSON, SR.
Trustee

JACQUELINE J. PETTY
Trustee

MATTHEW P. RYAN
Trustee

BONNIE W. NOBLE - Director of Parks and Recreation



QUOTE FORM

**PEORIA PARK DISTRICT
OWENS RECREATION CENTER
ICE RINK RELIGHTING**

ITEM	TOTAL COST
Base quote – All labor, material, equipment, & incidentals necessary for the relighting of the ice rinks per specifications.	\$
Add Alternate - Furnish and install shatter proof safety coated lamps	\$

**THE UNDERSIGNED CERTIFIES THAT THIS QUOTATION IS IN ACCORDANCE WITH
PEORIA PARK DISTRICT SPECIFICATIONS.**

QUOTE SUBMITTED BY:

Company Name

Address City State Zip

Telephone Number

Fax Number

Signature

Title

Date

PEORIA PARK BOARD

TIMOTHY J. CASSIDY
President

ROGER P. ALLEN
Trustee

KELLY A. CUMMINGS
Trustee

JAMES T. HANCOCK
Trustee

ROBERT L. JOHNSON, SR.
Trustee

JACQUELINE J. PETTY
Trustee

MATTHEW P. RYAN
Trustee

BONNIE W. NOBLE - Director of Parks and Recreation



Peoria Park District
Certificate of Equal Employment Opportunity Compliance
for
Contractors and Vendors

Office Use Only:
Approved: _____
Date: _____

Disclosure of the information requested in this form is required by the Peoria Park District. Failure to properly complete and sign this form will result in it being returned unprocessed thereby resulting in a delay or denial of eligibility to bid.

As part of the Company's commitment to equal employment opportunity practices, this company does the following:

- Recruits, trains, upgrades, promotes and disciplines persons without regard to race, color, sex, religion, national origin, veteran status, age, mental or physical ability.
- Notifies all recruitment sources that all qualified applicants will be considered for employment without regard to race, color, sex, religion, national origin, veteran status, age, mental or physical ability.
- When advertising is used, specifies that all qualified applicants will be considered for employment without regard to race, color, sex, religion, national origin, veteran status, age, mental or physical ability.
- Notifies all labor organizations which furnish this company with any skilled or non-skilled labor of the Company's responsibility to comply with the equal employment opportunity requirements required in all contracts by the Peoria Park District.
- Notifies all of its sub-contractors of their obligation to comply with the equal employment opportunity requirements required in all contracts by the Peoria Park District.
- Has an affirmative action program that assures the company's fair employment practices are understood and carried out by all of its managerial, administrative and supervisory personnel.

Is the Company a minority/woman owned business (MBE/WBE)? ____YES ____ NO

The Company does not discriminate against any employees or applicants for employment because of race, color, religion, sex, national origin, veteran status, age, mental or physical ability.

The Company does not maintain segregated facilities for any of its employees on the basis of race, religion, color, national origin, because of habit, local custom, or otherwise.

By signing this form, the Company attests that it complies with all statements listed above as part of the Company's commitment to equal employment opportunity practices. The Company further agrees that it has completed the attached Workforce Profile Sheet truthfully, to the best of its knowledge.

Company Name

Company Address

Signature of Company Official

Name / Title

Telephone Number & Fax Number

Email Address

WORK FORCE PROFILE - FULL TIME ONLY

[illegible]

PLEASE BE ADVISED!

Every party to a public contract and every party bidding on public contracts are required to have a written sexual harassment policy that contains:

- (1) a definition of sexual harassment under state law;
- (2) a description of sexual harassment utilizing examples;
- (3) a formalized complaint procedure;
- (4) a statement of victims rights;
- (5) directions on how to contact the Illinois Department of Human Rights – **Illinois companies.** **Out-of-State companies must include directions on how to contact the enforcement agency within their state.** Companies that issue a standard policy for all business locations must prepare an addendum providing directions on how to contact the appropriate enforcement agency.
- (6) a recitation that there cannot be any retaliation against employees who elect to file charges.

Recommendation: Your sexual harassment policy should be drafted in language easy to understand and any revisions should be reviewed by legal counsel. A copy of your policy should be posted in a prominent and accessible location to assure all employees will be notified of the company's position.

In order to conduct business with the THE PEORIA PARK DISTRICT, you must have a written sexual harassment policy that conforms to the new ACT.

**FAILURE TO DO SO
WILL DISQUALIFY YOU AS AN ELIGIBLE VENDOR!!!**

Please be advised, effective July 1, 1993, Governor Jim Edgar established under Executive Order Number 7 (Public Act 87-1257) that every party to a public contract and every party bidding on a public contract within the State of Illinois must have a written policy statement prohibiting sexual harassment. The following model policy statement is a draft copy provided for use in formulating your company's policy statement

SEXUAL HARASSMENT POLICY STATEMENT

It is the responsibility of each individual employee to refrain from sexual harassment and it is the right of each individual employee to work in an environment free from sexual harassment.

DEFINITION OF SEXUAL HARASSMENT

According to the Illinois Human Rights Act, sexual harassment is defined as:

Any unwelcome sexual advances or requests for sexual favors or any conduct of a sexual nature when

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment;
2. submission to or rejection of such conduct by an individual is used as the basis for employment decision(s) affecting such individual; or
3. such conduct has the purpose or effect of substantially interfering with an individual's work performance or creating an intimidating, hostile, or offensive working environment.

The courts have determined that sexual harassment is a form of discrimination under Title VII of the U.S. Civil Rights act of 1964, as amended in 1991. One such example is a case where a qualified individual is denied employment opportunities and benefits that are, instead, awarded to another individual who submits (voluntarily or under duress) to sexual advances or sexual favors. Another example is where an individual must submit to unwelcome sexual conduct in order to receive an employment opportunity.

Other conduct commonly considered to be sexual harassment includes:

- ⇒ Verbal: Sexual innuendoes, suggestive comments, insults, humor and jokes about sex, anatomy or gender-specific traits, sexual propositions, threats, repeated requests for dates, or statement about other employees, even outside of their presence, of a sexual nature.
- ⇒ Non-Verbal: Suggestive or insulting sounds (whistling), leering, obscene gestures, sexually suggestive bodily gestures, "catcalls", "smacking" or "kissing" noises.
- ⇒ Visual: Posters, signs, pin-ups, slogans of a sexual nature.
- ⇒ Physical: Touching, unwelcome hugging or kissing, pinching, brushing the body, coerced sexual intercourse or actual assault.

Sexual harassment most frequently involves a man harassing a woman. However, it can also involve a woman harassing a man or harassment between members of the same gender.

The most severe and overt forms of sexual harassment are easier to determine; however, some sexual harassment is more subtle and depends to some extent on individual perception and interpretation. The trend in the courts is to assess sexual harassment by a standard of what would offend a "reasonable woman" or a "reasonable man", depending upon the gender of the alleged victim.

An example of the most subtle form of sexual harassment is the use of endearments. The use of terms such as "honey", "darling", and "sweetheart" is objectionable to many women who believe that these terms undermine their authority and their ability to deal with men on an equal and professional level.

Another example is the use of a compliment that could potentially be interpreted as sexual in nature. Below are three statements that might be made about the appearance of a woman in the workplace:

- ⇒ “That’s an attractive dress you have on.”
- ⇒ “That’s an attractive dress. It really looks good on you.”
- ⇒ “That’s an attractive dress. You really fill it out well.”

The first statement appears to be simply a compliment. The last is most likely to be perceived as sexual harassment depending on individual perceptions and values. To avoid the possibility of offending an employee, it is best to follow a course of conduct above reproach, or to err on the side of caution.

RESPONSIBILITY OF INDIVIDUAL EMPLOYEES

Each individual employee has the responsibility to refrain from sexual harassment in the workplace. An individual employee who harasses a fellow worker is, of course, liable for his or her individual conduct. The harassing employee will be subject to disciplinary action up to and including discharge in accordance with company/organization policy or a collective bargaining agreement, as appropriate.

RESPONSIBILITY OF SUPERVISORY PERSONNEL

Each supervisor is responsible for maintaining a workplace free of sexual harassment. This is accomplished by promoting a professional environment and by dealing with sexual harassment as with all other forms of employee misconduct.

The courts have found companies/organizations as well as supervisors can be held liable for damages related to sexual harassment by a manager, supervisor, employee, or third party (an individual who is not an employee but does business with a company/organization, such as a contractor, customer, sales representative, or repair person).

Liability is based either on a company/organization's responsibility to maintain a certain level of control and discipline, or on the supervisor acting as an agent of the company/organization. As such, supervisors must act quickly and responsibly, not only to minimize their own liability, but also that the company/organization.

DRAFT

RESOLUTION OUTSIDE THE COMPANY/ORGANIZATION

It is hoped that most sexual harassment complaints and incidents can be resolved within a company/organization. However, an employee has the right to contact the Illinois Department of Human Rights (IDHR) or the U.S. Equal Employment Opportunity Commission (EEOC) about filing a formal complaint. An IDHR complaint must be filed within 180 days of the alleged incident(s) unless it is a continuing offense. A complaint with EEOC must be filed within 300 days.

Illinois Department of Human Rights

(217) 785-5100 – Springfield
(217) 785-5125 – TDD Springfield
(312) 814-6200 – Chicago
(312) 263-1579 – TDD Chicago

Illinois Human Rights Commission

(217) 785-4350 – Springfield
(217) 785-5125 – TDD Springfield
(312) 814-6269 – Chicago
(312) 814-4760 – TDD Chicago

U.S. Equal Employment Opportunity Commission

(312) 353-2613 – Chicago District Office
(800) 669-4000 – Toll Free Within State of Illinois
(800) 669-6820 – TDD Chicago

An employee who is suddenly transferred to a lower paying job or passed for promotion, after filing a complaint with IDHR or EEOC, may file a retaliation charge, also due 180 days (IDHR) or 300 days (EEOC) from the alleged retaliation.

An employee who has been physically harassed or threatened while on the job may also have grounds for criminal charges of assault and battery.

FALSE AND FRIVOLOUS COMPLAINTS

False and frivolous charges refer to cases where the accuser is using a sexual complaint to accomplish some end other than stopping sexual harassment. It does not refer to charges made in good faith which cannot be proven. Given the seriousness of the consequences for the accused, a false and frivolous charge is a severe offense that can itself result in disciplinary action.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number									
				-				-	

Employer identification number									
				-					

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
------------------	----------------------------	--------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a “saving clause.” Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called “backup withholding.” Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the “Name” line and any business, trade, or “doing business as (DBA) name” on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner's name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner's name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
 2. The United States or any of its agencies or instrumentalities,
 3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
 4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
 5. An international organization or any of its agencies or instrumentalities.
- Other payees that may be exempt from backup withholding include:
6. A corporation,
 7. A foreign central bank of issue,
 8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
 9. A futures commission merchant registered with the Commodity Futures Trading Commission,
 10. A real estate investment trust,
 11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
 12. A common trust fund operated by a bank under section 584(a),
 13. A financial institution,
 14. A middleman known in the investment community as a nominee or custodian, or
 15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION

Project Name: _____

Location: _____

The Substance Abuse Prevention on Public Works Act Public Act 95-0635, prohibits the use of drugs and alcohol, as defined in the Act, by employees of the Contractor and by employees of all approved Subcontractors while performing work on a public works project. The Contractor/Subcontractor herewith certifies that it has a superseding collective bargaining agreement or makes the public filing of its written substance abuse prevention program for the prevention of substance abuse among its employees who are not covered by a collective bargaining agreement dealing with the subject as mandated by the Act.

A. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has signed collective bargaining agreements that are in effect for all of its employees, and that deal with the subject matter of Public Act 95-0635.

Contractor/Subcontractor

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

Signature of Authorized Representative

Date

B. The undersigned representative of the Contractor/Subcontractor certifies that the contracting entity has in place, for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Act, the attached substance abuse prevention program that meets or exceeds the requirements of Public Act 95-0635.

Contractor/Subcontractor

Name of Authorized Representative (type or print)

Title of Authorized Representative (type or print)

Signature of Authorized Representative

Date



CERTIFICATION OF SAFETY COMPLIANCE

The undersigned Contractor/Vendor hereby certify that they and their sub-contractors will comply with any and all prevailing occupational safety and health standards including, but not limited to the following: hazard communication, hearing conservation, respirator use, permit required confined space entry, scaffolding, personal protective equipment, ladder usage, ventilation, flammable and combustible liquids handling and storage and lockout/tagout. Such compliance may include a training component or require a written program of compliance.

Dated this day of _____, 20 ____.

CONTRACTOR/VENDOR: _____

By: _____



ILLINOIS DRUG FREE WORKPLACE CERTIFICATION

The undersigned Contractor/Vendor hereby certifies that it will comply with all provisions of the Illinois Drug Free Workplace Act of 1991.

Dated this _____ day of _____, 20 _____

Contractor/Vendor

By: _____

ATTACHMENT A.6

INSURANCE REQUIREMENTS

ROUTINE CONSTRUCTION, MAINTENANCE AND REPAIR PROJECTS

Contractor shall obtain insurance of the types and in the amounts listed below.

A. COMMERCIAL GENERAL AND UMBRELLA LIABILITY INSURANCE

Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000 each occurrence. If such CGL insurance contains a general aggregate limit, it shall apply separately to this project/location.

CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01 10 93, or a substitute form providing equivalent coverage, and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

Owner shall be included as an insured under the CGL, using ISO additional insured endorsement CG 20 10 or a substitute providing equivalent coverage, and under the commercial umbrella, if any. This insurance shall apply as primary insurance with respect to any other insurance or self-insurance afforded to Owner.

There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from pollution, explosion, collapse, or underground property damage.

B. CONTINUING COMPLETED OPERATIONS LIABILITY INSURANCE

Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each occurrence for at least one (1) year following substantial completion of the work.

Continuing CGL insurance shall be written on ISO occurrence form CG 00 01 10 93, or substitute form providing equivalent coverage, and shall, at minimum, cover liability arising from products-completed operations and liability assumed under an insured contract.

Continuing CGL insurance shall have a products-completed operations aggregate of at least two times its each occurrence limit.

Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.

C. BUSINESS AUTO AND UMBRELLA LIABILITY INSURANCE

Contractor shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident. Such insurance shall cover liability arising out of any auto including owned, hired and non-owned autos.

Business auto insurance shall be written on Insurance Services Office (ISO) form CA 00 01, CA 00 05, CA 00 12, CA 00 20, or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage equivalent to that provided in the 1990 and later editions of CA 00 01.

D. WORKERS COMPENSATION INSURANCE

Contractor shall maintain workers compensation as required by statute and employers liability insurance. The commercial umbrella and/or employers liability limits shall not be less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease.

If Owner has not been included as an insured under the CGL using ISO additional insured endorsement CG 20 10 under the Commercial General and Umbrella Liability Insurance required in this Contract, the Contractor waives all rights against Owner and its officers, officials, employees, volunteers and agents for recovery of damages arising out of or incident to the Contractor's work.

E. GENERAL INSURANCE PROVISIONS

- 1. Evidence of Insurance.** Prior to beginning work, Contractor shall furnish Owner with a certificate(s) of insurance and applicable policy endorsement(s), executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above.

All certificates shall provide for 30 days written notice to Owner prior to the cancellation or material change of any insurance referred to therein. Written notice to Owner shall be by certified mail, return receipt requested.

Failure of Owner to demand such certificate, endorsement or other evidence of full compliance with these insurance requirements or failure of Owner to identify a deficiency from evidence that is provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Owner shall have the right, but not the obligation, of prohibiting Contractor or any subcontractor from entering the project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by Owner.

Failure to maintain the required insurance may result in termination of this Contract at Owner's option.

With respect to insurance maintained after final payment in compliance with a requirement above, an additional certificate(s) evidencing such coverage shall be promptly provided to Owner whenever requested.

Contractor shall provide certified copies of all insurance policies required above within 10 days of Owner's written request for said copies.

- 2. Acceptability of Insurers.** For insurance companies which obtain a rating from A.M. Best, that rating should be no less than A VII using the most recent edition of the A.M. Best's Key Rating Guide. If the Best's rating is less than A VII or a Best's rating is not obtained, the Owner has the right to reject insurance written by an insurer it deems unacceptable.
- 3. Cross-Liability Coverage.** If Contractor's liability policies do not contain the standard ISO separation of insureds provision, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.
- 4. Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to the Owner. At the option of the Owner, the Contractor may be asked to eliminate such deductibles or self insured retentions as respects the Owner, its officers, officials, employees, volunteers and agents or required to procure a bond guaranteeing payment of losses and other related costs including but not limited to investigations, claim administration and defense expenses.
- 5. Subcontractors.** Contractor shall cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified above. When requested by the Owner, Contractor shall furnish copies of certificates of insurance evidencing coverage for each subcontractor.

F. INDEMNIFICATION

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner and the Architect and their officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses including but not limited legal fees (attorney's and paralegal's fees and court costs), arising

out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense (1) is attributable to bodily injury, sickness, disease or death, or injury to or destruction of tangible property, other than the work itself, including the loss of use resulting therefrom and (2) is caused in whole or I part by any wrongful or negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, except to the extent it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph. Contractor shall similarly protect, indemnify and hold and save harmless the Owner, its officers, officials, employees, volunteers and agents against and from any and all claims, costs, causes, actions and expenses including but not limited to legal fees, incurred by reason of Contractor's breach of any of its obligations under, or Contractor's default of, any provision of the Contract.

SAMPLE LIABILITY INSURANCE ENDORSEMENT

The following spaces preceded by an asterisk (*) need not be completed if this endorsement and policy have the same inception date.

ATTACHED TO AND FORMING PART OF POLICY NUMBER	*EFFECTIVE DATE OF ENDORSEMENT	*ISSUED TO
--	-----------------------------------	------------

This endorsement changes the policy. Please read it carefully.

AUTOMATIC ADDITIONAL INSURED

The following provision is added to (SECTION II), Who Is An Insured.

5. Any entity you are required in a written contract (hereinafter called Additional Insured) to name as an insured is an insured but only with respect to liability arising out of your premises, “your work” for the Additional Insured, or acts or omissions of the Additional Insured in connection with the general supervision of “your work” to the extent set forth below.
 - a. The Limits of Insurance provided on behalf of the Additional Insured are not greater than those required by such contract.
 - b. The coverage provided to the Additional Insured(s) is not greater than that customarily provided by the policy forms specified in and required by the contract.
 - c. All insuring agreements, exclusions and conditions of this policy apply.
 - d. In no event shall the coverages or Limits of Insurance in this Coverage Form be increased by such contract.

Except when required otherwise by contract, this insurance does not apply to:

- 1) “Bodily injury” or “property damage” occurring after
 - a) All work on the project (other than service, maintenance or repairs) to be performed by or on behalf of the Additional Insured(s) at the site of the covered operations has been completed; or
 - b) That portion of “your work” out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.
- 2) “Bodily injury” or “property damage” arising out of any act or omission of the Additional Insured(s) or any of their employees, other than the general supervision of work performed for the Additional Insured(s) by you.
- 3) “Property damage” to
 - a) Property owned, used or occupied by or rented to the Additional Insured(s);
 - b) Property in the care, custody or control of the Additional Insured(s) or over which the Additional Insured(s) is for any purpose exercising physical control; or

- c) “Your work” for the Additional Insured(s).

With respect to Additional Insureds who are architects, engineers or surveyors, this insurance does not apply “bodily injury”, “property damage”, “personal injury” or “advertising injury” arising out of the rendering of or the failure to render any professional services by or for you, including:

- a) The preparing, approving, or failing to prepare or approve maps, drawings, opinions, reports, surveys, change orders, designs or specifications; and
- b) Supervisory, inspection or engineering services.

Any coverages provided hereunder shall be excess over any other valid and collectible insurance available to the Additional Insured(s) whether primary, excess, contingent or on any other basis unless a contract specifically requires that this insurance be primary or you request that it apply on a primary basis.

No person or organization is an Additional Insured with respect to the conduct of any current or past partnership or joint venture that is not shown as a Named Insured in the Declarations.

END OF ATTACHMENT A.6

LABOR & MATERIAL PAYMENT BOND

**TO; PLEASURE DRIVEWAY AND PARK DISTRICT OF PEORIA
PEORIA, ILLINOIS**

KNOW ALL MEN BY THESE PRESENTS:

That: _____

as Principal, and _____

a corporation of the State of _____ as Surety, are held and firmly bound unto the PLEASURE DRIVEWAY
AND PARK DISTRICT OF PEORIA, PEORIA, ILLINOIS, as Obligee, for the use and benefit of claimants as hereinafter
defined in the amount of _____ Dollars (\$ _____), for
the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns,
jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated _____, 20 _____,
entered into a Contract with Obligee for _____

in accordance with contract documents prepared by the Architect-Engineer which Contract is by reference made a part
hereof, and is hereinafter referred to as "the Contract".

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if Principal shall promptly pay
for all laborers, workers and mechanics engaged in the work under the Contract, and not less than the general prevailing
rate of hourly wages of a similar character in the locality in which the work is performed, as determined by the State of
Illinois Department of Labor pursuant to the Illinois Compiled Statutes 820 ILCS 130/1 *et. seq.* and for all material used or
reasonably required for use in the performance of the Contract, then this obligation shall be void; otherwise it shall remain
in full force and effect.

1. A claimant is defined as any person, firm, or corporation having contracts with the Principal or with any of
Principal's subcontractors for labor or materials furnished in the performance of the Contract on account of which this
Bond is given.

2. Nothing in this Bond contained shall be taken to make the Obligee liable to any subcontractor, materialman or
laborer, or to any other person to any greater extent than it would have been liable prior to the enactment of The Public
Construction Bond Act, approved June 20, 1931, as amended; provided further, that any person having a claim for labor
and materials furnished in the performance of the Contract shall have no right of action unless he shall have filed a verified
notice of such claim with the Obligee within 180 days after the date of the last item of work or the furnishing of the last
item of materials, which claim shall have been verified and shall contain the name and address of the claimant, the business
address of the claimant within the State of Illinois, if any, or if the claimant be a foreign corporation having no place of
business within the State the principal place of business of the corporation, and in all cases of partnership the names and
residences of each of the partners, the name of the Contractor for the Obligee, the name of the person, firm or corporation
by whom the claimant was employed or to whom such claimant furnished materials, the amount of the claim and a brief
description of the public improvement for the construction or installation of which the Contract is to be performed. No
defect in the notice herein provided for shall deprive the claimant of its right of action under the terms and provisions of
this Bond unless it shall affirmatively appear that such defect has prejudiced the rights of an interested party asserting the
same.

3. No action shall be brought on this Bond until the expiration of 120 days after the date of the last item of work
or of the furnishing of the last item of material except in cases where the final settlement between the Obligee and the
Contractor shall have been made prior to the expiration of the 120 day period, in which case action may be taken
immediately following such final settlement; nor shall any action of any kind be brought later than 6 months after the
acceptance by the Obligee of the work. Such suit shall be brought only in the circuit court of this State in the judicial
district in which the Contract is to be performed.

4. Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance thereof.

5. The amount of this Bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder.

6. The Principal and Surety shall be liable for any attorneys fees, engineering costs, or court costs incurred by the Obligee relative to claims made against this Bond.

Signed and Sealed this _____ day of _____, 20__.

CONTRACTOR

SURETY

Contractor Firm Name:

By: _____

Signature

Title

By: _____

Attorney-in-Fact

Resident Agent

ATTEST:

Corporate Secretary (Corporations only)

PERFORMANCE BOND

TO: PLEASURE DRIVEWAY AND PARK DISTRICT OF PEORIA
PEORIA, ILLINOIS

KNOW ALL MEN BY THEIR PRESENTS;

That _____

as Principal, and _____
_____, as
corporation of the State of _____, as Surety, are held and firmly bound
unto the PLEASURE DRIVEWAY AND PARK DISTRICT OF PEORIA, PEORIA, ILLINOIS, as Oblige, in the amount
of _____ (\$ _____),
for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and
assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated _____, 20 _____
entered into a contract with Oblige for _____

_____ in accordance with contract documents prepared by the Architect-Engineer, which Contract is by reference made a part
hereof and is hereinafter referred to as "the Contract".

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if Principal shall promptly and
faithfully perform the Contract and all changes thereof, and during the life of any guaranty or warranty required under the
Contract, and, if Principal shall fully secure and protect the Oblige from all liability and from all loss or expense of any
kind, including all court costs, engineering fees and attorneys' fees made necessary or arising from the failure, refusal or
neglect of Principal to comply with all obligations assumed by Principal in connection with the performance of the
Contract and all changes thereof, then this obligation shall be null and void; otherwise it shall remain in full force and
effect.

Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance
thereof. Whenever Principal shall be and is declared to be in default under the Contract, Oblige having performed
Oblige's obligations thereunder, Surety shall, after notice of such default, reserve all rights against all parties, take over
and complete the Contract and become entitled to payment of the balance of any monies due or to become due to such
defined Principal in accordance with the progress of the work.

A condition of this Bond is that the Principal shall faithfully perform in accordance with the prevailing wage clause
provided in the bid specification or Contract pursuant to Illinois Compiled Statutes 820 ILCS 130/1 *et. seq.*

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Oblige
named herein.

Signed and Sealed this _____ day of _____, 20____.

CONTRACTOR

Contractor Firm Name

By: _____
Signature

Title

ATTEST:

Corporate Secretary (Corporations only)

SURETY

Surety Name

By: _____
Attorney-in-Fact

Resident Agent

PEORIA PARK DISTRICT

Weekly Workforce Report

Instructions

This weekly workforce report must be completed and returned to the Peoria Park District project manager for each week that you are working on Peoria Park District property. You are to report only those employees that are actually working on the Peoria Park District project identified on this report. Do not report employees that are not working on the project identified on this report.

If you have further questions regarding this report, please contact the Owner's Project Manager.

I Trade & Hour Breakdown Table

- List the different trades (carpenter, laborer, plumber, etc.) and report the number of hours by race/gender for each trade;
- Total the hours for each trade on the right.

II New Hires by Race & Gender

- If additional employees are hired for the job, please record the number of employees hired by race/gender.

III Total Project Employee Breakdown

- Please track total hours by race/gender for the project if project lasts longer than a week.

Weekly Workforce Report (Peoria Park District Form) Date:_____ Week Ending: _____

Contractor/Subcontractor Name:_____ Project: _____

Trade & Hour Breakdown:

TRADE	FEMALE HOURS	CAUCASIAN HOURS	AFRICAN- AMERICAN HOURS	HISPANIC, HOURS	NATIVE AMERICAN HOURS	ASIAN, PAC. ISLANDER, OTHER HOURS	TOTAL HOURS

New Hires by Race & Gender

TRADE	CAUCASIAN	AFRICAN- AMERICAN	HISPANIC	NATIVE AMERICAN	ASIAN,PACIFIC ISLANDER, OTHER	MALE	FEMALE

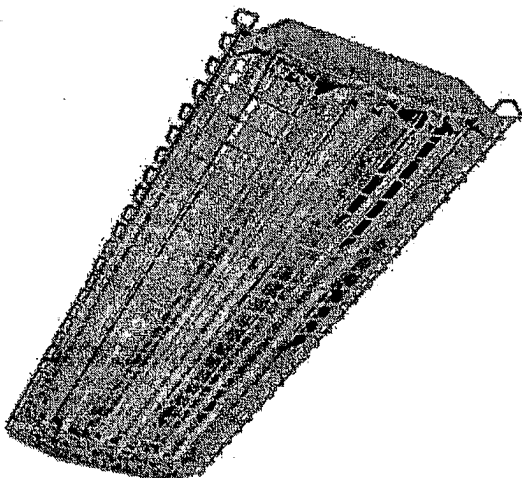
Total Project Employee Breakdown

	CAUCASIAN	AFRICAN- AMERICAN	HISPANIC	NATIVE AMERICAN	ASIAN,PACIFIC ISLANDER, OTHER	MALE	FEMALE

2.10. ECRM-1 / Replace 400W and 250W Metal Halide High Intensity Discharge (HID) Rink Lights with 6-Lamp T8 Fixtures

This ECRM explores the potential project costs and energy savings the Owens Center should experience after forty-five (45) of the 400W Metal Halide lights located over Rink #1 are replaced with forty-five (45) six-lamp high output (HO) T5 fixtures with electronic ballasts. This ECRM also explores the potential project costs and energy savings after replacing the nine (9) 250 Watt metal halide lights that are located over the seating area in Rink #1 with nine (9) six-lamp T8 fixtures with electronic ballasts.

Based on cost information obtained from www.prolighting.com and www.electricalmarketplace.com, it will cost \$8,093 to purchase forty-five six-lamp T5HO fixtures with wire cage guards and \$1,584 to



purchase nine new six-lamp T8 "Gymlighter" fixtures that also come with wire cage guards. Both types of fixtures come with six lamps per fixture and electronic ballasts. The DCEO Illinois Energy Now program currently offers \$0.75 per Watt reduced as an incentive for installing T5 and T8 lighting. The total calculated incentive for replacing all fifty-four fixtures over Rink #1 is \$4,455. Using \$70 per hour as the labor rate it is estimated that the total project cost for replacing all fifty-four metal halide lights over Rink #1 is \$8,247 (including the \$4,455 incentive discount).

The following tables, Tables 2.1.1 and 2.1.2, present the energy savings and economics of implementing this project. The first column in Table 2.1.1 below shows the approximate location of the lights within the

Owens Center. There are two rows paired for each "Location" entry in the table, one without highlighting and one with green highlighting. The rows without highlighting represent the equipment that is currently installed and in use, while the rows with green highlighting represent the proposed new equipment.

Location	Light Type	Quantity of Fixtures	Fixture Wattage	System Wattage	Weekday hrs/day	Weekend hours/day	Energy per Month (kWh)	Percent Energy Reduction	Energy Cost per Month	Savings per Year
Rink 1	400W Metal Halide	45	460	20,700	17	17	10,674		\$ 925.46	
	54W 6-Lamp T5HO	45	342	15,390	16	16	7,469	30%	\$ 647.59	\$ 3,334.50
Rink 1	250W Metal Halide	9	290	2,610	17	17	1,346		\$ 116.69	
	32W 6-Lamp T8	9	220	1,980	16	16	961	28%	\$ 83.32	\$ 400.43

Table 2.1.1: Energy and Cost Savings from ECRM-1



FEATURES & SPECIFICATIONS

INTENDED USE — The I-BEAM® fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescent I-BEAM fixture performs 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 — Rugged fixture construction coupled with excellent fixture performance. Channel is formed of heavy-duty Code-gauge steel to stand up to the most demanding elements. Lampholder assembly protects from incidental damage to reflectors during installation. 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 Alonod Miro® 4 specular aluminum reflectors. Provides 95% reflectivity and warranted for 25 years. Wide distribution includes high-reflectance white finish for general or open areas.

ELECTRICAL — Ballast: MVOLT 120-277V ballast accommodates most electrical requirements. Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures.

Sockets: Sockets include secure positioning rotating collars with enclosed contacts.

INSTALLATION — Suitable for suspension by chain, cable or hook monopoint hanger. Access plate on the back of channel housing allows for quick and easy wiring.

LISTINGS — UL Listed to U.S. and Canadian safety standards.

WARRANTY — Fixtures, including ballast, are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

NOTE: Specifications subject to change without notice.

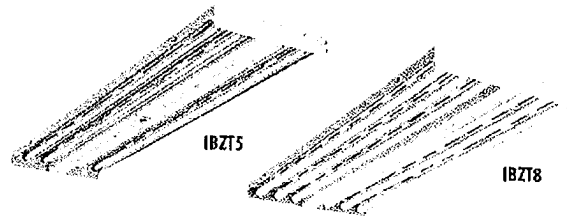
Catalog Number IBZT56WGIBZ19IBZPMPHB

Notes

Type

Contractor Select

Fluorescent High Bays



ORDERING INFORMATION

Catalog Number	UPC	Description	# of Lamps	Wattage	Voltage	Distribution	Ballast Type	Lamp Included	Pallet Qty.	Standard Carton Qty.
IBZT5 4	745977144141	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	N	48	1
IBZT5 4L	745977147197	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	Y	48	1
IBZT5 4L WD	745977147227	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	Y	48	1
IBZT5 4WD	745977147421	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	N	48	1
IBZT5 4 120/277 MSE360	745977147258	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	N	48	1
IBZT5 4L 120/277 MSE360	745977147289	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	Y	48	1
IBZT5 4L WD 120/277 MSE360	745977147302	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	Y	48	1
IBZT5 4 WD 120/277 MSE360	745977147357	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	N	48	1
IBZT5 6	745977147432	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	N	32	1
IBZT5 6L	745977147478	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	Y	32	1
IBZT5 6L WD	745977147517	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	Y	32	1
IBZT5 6WD	745977147519	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	N	32	1
IBZT5 6 120/277 MSE360	745977147623	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	N	32	1
IBZT5 6L 120/277 MSE360	745977147630	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	Y	32	1
IBZT5 6L WD 120/277 MSE360	745977147609	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	Y	32	1
IBZT5 6 WD 120/277 MSE360	745977147616	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	N	32	1
IBZT8 4	745977147661	T8 fluorescent high bay	4	32	120-277	Narrow	NEMA® Premium, instant start	N	48	1
IBZT8 4L	745977147678	T8 fluorescent high bay	4	32	120-277	Narrow	NEMA Premium, instant start	Y	48	1
IBZT8 4L WD	745977147692	T8 fluorescent high bay	4	32	120-277	Wide	NEMA Premium, instant start	Y	48	1
IBZT8 4 WD	745977147708	T8 fluorescent high bay	4	32	120-277	Wide	NEMA Premium, instant start	N	48	1
IBZT8 4 120/277 MSE360	745977147715	T8 w/ embedded sensor	4	32	120-277	Narrow	NEMA Premium, program start	N	48	1
IBZT8 4L 120/277 MSE360	745977147685	T8 w/ embedded sensor	4	32	120-277	Narrow	NEMA Premium, program start	Y	48	1
IBZT8 4L WD 120/277 MSE360	745977147814	T8 w/ embedded sensor	4	32	120-277	Wide	NEMA Premium, program start	Y	48	1
IBZT8 4 WD 120/277 MSE360	745977147784	T8 w/ embedded sensor	4	32	120-277	Wide	NEMA Premium, program start	N	48	1
IBZT8 6	745977147791	T8 fluorescent high bay	6	32	120-277	Narrow	NEMA Premium, instant start	N	32	1
IBZT8 6L	745977147807	T8 fluorescent high bay	6	32	120-277	Narrow	NEMA Premium, instant start	Y	32	1
IBZT8 6L WD	745977147845	T8 fluorescent high bay	6	32	120-277	Wide	NEMA Premium, instant start	Y	32	1
IBZT8 6 WD	745977147859	T8 fluorescent high bay	6	32	120-277	Wide	NEMA Premium, instant start	N	32	1
IBZT8 6 120/277 MSE360	745977147900	T8 w/ embedded sensor	6	32	120-277	Narrow	NEMA Premium, program start	N	32	1
IBZT8 6L 120/277 MSE360	745977148040	T8 w/ embedded sensor	6	32	120-277	Narrow	NEMA Premium, program start	Y	32	1
IBZT8 6L WD 120/277 MSE360	745977148088	T8 w/ embedded sensor	6	32	120-277	Wide	NEMA Premium, program start	Y	32	1
IBZT8 6 WD 120/277 MSE360	745977148170	T8 w/ embedded sensor	6	32	120-277	Wide	NEMA Premium, program start	N	32	1

Industrial Fluorescent

Accessories: Order as separate catalog number

DLIBZ14 ACL	Door frame kit with .125" acrylic lens for four-lamp fixture
DLIBZ19 ACL	Door frame kit with .125" acrylic lens for six-lamp fixture
DLIBZ24 ACL	Door frame kit with .125" acrylic lens for four-lamp, 24" wide fixture
HBBS36	Chain hanger, 36"
IBHMP	Hook monopoint
IBZACVH	10' adjustable aircraft cable with V-hook
IBZPMP	Pendant monopoint splice box, includes side covers
IBZPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub)
IBZTFC	Tandem coupler and side panel
SFR 5	360° snap-fit high-bay sensor ¹
VIGIBZ14	Wireguard for four-lamp fixture
VIGIBZ19	Wireguard for six-lamp fixture
VIGIBZ24	Wireguard for four-lamp, 24" wide fixture

Notes

¹ Not available when used with a door and lens.

TS Specifications

	4-lamp	6-lamp
Length:	48-1/8 (122.2)	48-1/8 (122.2)
Width:	13-1/4 (33.7)	18-1/8 (46.0)
Depth:	2-3/8 (6.0)	2-3/8 (6.0)
Weight:	15 lbs. (6.8 kg)	19 lbs. (8.6 kg)

T8 Specifications

	4-lamp	6-lamp
Length:	48-1/8 (122.2)	48-1/8 (122.2)
Width:	13-1/4 (33.7)	18-1/8 (46.0)
Depth:	2-3/8 (6.0)	2-3/8 (6.0)
Weight:	15 lbs. (6.8 kg)	19 lbs. (8.6 kg)



INDUSTRIAL FLUORESCENT HIGH BAYS



FEATURES & SPECIFICATIONS

INTENDED USE — The I-BEAM® fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescent I-BEAM fixture performs 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 — Rugged fixture construction coupled with excellent fixture performance. Channel is formed of heavy-duty Code-gauge steel to stand up to the most demanding elements. Lampholder assembly protects from incidental damage to reflectors during installation. 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 Alano® 4 specular aluminum reflectors. Provides 95% reflectivity and warranted for 25 years. Wide distribution includes high-reflectance white finish for general or open areas.

ELECTRICAL — Ballast: MVOLT 120-277V ballast accommodates most electrical requirements. Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures.

Sockets: Sockets include secure positioning rotating collars with enclosed contacts.

INSTALLATION — Suitable for suspension by chain, cable or hook monopoint hanger. Access plate on the back of channel housing allows for quick and easy wiring.

LISTINGS — UL Listed to U.S. and Canadian safety standards.

WARRANTY — Fixtures, including ballast, are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

NOTE: Specifications subject to change without notice.

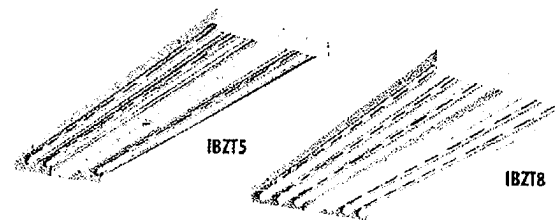
Catalog Number IBZT86WGIBZ19IBZPMPHB

Notes

Type

Contractor Select

Fluorescent High Bays



ORDERING INFORMATION

Catalog Number	UPC	Description	# of Lamps	Wattage	Voltage	Distribution	Ballast Type	Lamp Included	Pallet Qty.	Standard Carton Qty.
IBZT5 4	745977144141	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	N	48	1
IBZT5 4L	745977147197	T5 fluorescent high bay	4	54	120-277	Narrow	Electronic, program start	Y	48	1
IBZT5 4L WD	745977147227	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	Y	48	1
IBZT5 4 WD	745977147421	T5 fluorescent high bay	4	54	120-277	Wide	Electronic, program start	N	48	1
IBZT5 4 120/277 MSE360	745977147258	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	N	48	1
IBZT5 4L 120/277 MSE360	745977147289	T5 w/ embedded sensor	4	54	120-277	Narrow	Electronic, program start	Y	48	1
IBZT5 4L WD 120/277 MSE360	745977147302	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	Y	48	1
IBZT5 4 WD 120/277 MSE360	745977147357	T5 w/ embedded sensor	4	54	120-277	Wide	Electronic, program start	N	48	1
IBZT5 6	745977147432	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	N	32	1
IBZT5 6L	745977147470	T5 fluorescent high bay	6	54	120-277	Narrow	Electronic, program start	Y	32	1
IBZT5 6L WD	745977147517	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	Y	32	1
IBZT5 6 WD	745977147519	T5 fluorescent high bay	6	54	120-277	Wide	Electronic, program start	N	32	1
IBZT5 6 120/277 MSE360	745977147623	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	N	32	1
IBZT5 6L 120/277 MSE360	745977147630	T5 w/ embedded sensor	6	54	120-277	Narrow	Electronic, program start	Y	32	1
IBZT5 6L WD 120/277 MSE360	745977147609	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	Y	32	1
IBZT5 6 WD 120/277 MSE360	745977147616	T5 w/ embedded sensor	6	54	120-277	Wide	Electronic, program start	N	32	1
IBZT8 4	745977147661	T8 fluorescent high bay	4	32	120-277	Narrow	NEMA® Premium, instant start	N	48	1
IBZT8 4L	745977147678	T8 fluorescent high bay	4	32	120-277	Narrow	NEMA Premium, instant start	Y	48	1
IBZT8 4L WD	745977147692	T8 fluorescent high bay	4	32	120-277	Wide	NEMA Premium, instant start	Y	48	1
IBZT8 4 WD	745977147708	T8 fluorescent high bay	4	32	120-277	Wide	NEMA Premium, instant start	N	48	1
IBZT8 4 120/277 MSE360	745977147715	T8 w/ embedded sensor	4	32	120-277	Narrow	NEMA Premium, program start	N	48	1
IBZT8 4L 120/277 MSE360	745977147685	T8 w/ embedded sensor	4	32	120-277	Narrow	NEMA Premium, program start	Y	48	1
IBZT8 4L WD 120/277 MSE360	745977147814	T8 w/ embedded sensor	4	32	120-277	Wide	NEMA Premium, program start	Y	48	1
IBZT8 4 WD 120/277 MSE360	745977147784	T8 w/ embedded sensor	4	32	120-277	Wide	NEMA Premium, program start	N	48	1
IBZT8 6	745977147791	T8 fluorescent high bay	6	32	120-277	Narrow	NEMA Premium, instant start	N	32	1
IBZT8 6L	745977147807	T8 fluorescent high bay	6	32	120-277	Narrow	NEMA Premium, instant start	Y	32	1
IBZT8 6L WD	745977147845	T8 fluorescent high bay	6	32	120-277	Wide	NEMA Premium, instant start	Y	32	1
IBZT8 6 WD	745977147869	T8 fluorescent high bay	6	32	120-277	Wide	NEMA Premium, instant start	N	32	1
IBZT8 6 120/277 MSE360	745977147080	T8 w/ embedded sensor	6	32	120-277	Narrow	NEMA Premium, program start	N	32	1
IBZT8 6L 120/277 MSE360	745977148040	T8 w/ embedded sensor	6	32	120-277	Narrow	NEMA Premium, program start	Y	32	1
IBZT8 6L WD 120/277 MSE360	745977148088	T8 w/ embedded sensor	6	32	120-277	Wide	NEMA Premium, program start	Y	32	1
IBZT8 6 WD 120/277 MSE360	745977148170	T8 w/ embedded sensor	6	32	120-277	Wide	NEMA Premium, program start	N	32	1

Industrial Fluorescent

Accessories: Order as separate catalog number:

DLIBZ14 ACL	Door frame kit with .125" acrylic lens for four-lamp fixture
DLIBZ19 ACL	Door frame kit with .125" acrylic lens for six-lamp fixture
DLIBZ24 ACL	Door frame kit with .125" acrylic lens for four-lamp, 24" wide fixture
HBBS36	Chain hanger, 36"
IBHMPP	Hook monopoint
IBZACVH	10' adjustable aircraft cable with V-hook
IBZPMP	Pendant monopoint splice box, includes side covers
IBZPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub)
IBZTFC	Tandem coupler and side panel
SFR 5	360° snap-fit high-bay sensor ¹
WGBZ14	Wireguard for four-lamp fixture
WGBZ19	Wireguard for six-lamp fixture
WGBZ24	Wireguard for four-lamp, 24" wide fixture

Notes

- ¹ Not available when used with a door and lens.

T5 Specifications

	4-lamp	6-lamp
Length:	48-1/8 (122.2)	48-1/8 (122.2)
Width:	13-1/4 (33.7)	18-1/8 (46.0)
Depth:	2-3/8 (6.0)	2-3/8 (6.0)
Weight:	15 lbs. (6.8 kg)	19 lbs. (8.6 kg)

T8 Specifications

	4-lamp	6-lamp
Length:	48-1/8 (122.2)	48-1/8 (122.2)
Width:	13-1/4 (33.7)	18-1/8 (46.0)
Depth:	2-3/8 (6.0)	2-3/8 (6.0)
Weight:	15 lbs. (6.8 kg)	19 lbs. (8.6 kg)



An Acuity Brands Company

INDUSTRIAL FLUORESCENT HIGH BAYS

COOPER LIGHTING - METALUX®

DESCRIPTION

The HBL series is ideal for high mounting height industrial or retail applications. Advanced optical designs provide maximum performance from either T5 or T8 lamps. Optional uplight component produces excellent ceiling uniformity. HBL's high lumen package allows the benefits of fluorescent to be applied at high mounting heights that were traditionally exclusive to HID. Benefits include exceptional color rendering, high system efficacy, 95% lumen maintenance, long lamp life, instant on/instant re-strike, economical dimming, and uniform brightness control. Typical HBL applications include retail, shopping malls, light industrial and recreational environments.

SPECIFICATION FEATURES

Construction

Channel and end plates are constructed of die-formed steel. The channel provides strength, numerous KOs for easy installation, and excellent thermal dissipation without any special or proprietary components. Stiffening brackets add additional strength and rigidity to channel and reflectors.

Electrical

The HBL comes with a standard Class "P" electronic ballast and twist-lock lampholders. UL/cUL listed for high ambient environments up to 55°C (131°F) for all lamp and ballast combinations listed. Suitable for damp locations.

Finish

Electrostatically applied baked white enamel finish is preceded by a multistage cleaning cycle, iron phosphate coating with rust inhibitor.

Optics

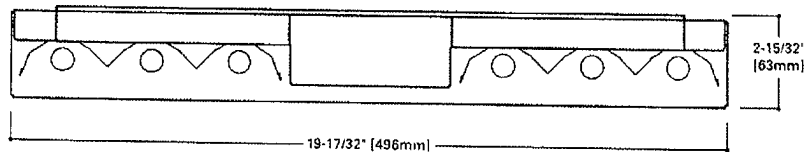
Die-formed, segmented optical design optimizes performance across three distributions. Optical choices include a narrow distribution for aisles, medium distribution for assembly and loading areas, or wide distribution for general, open area lighting. An uplight option is offered to permit ceiling uniformity and allow for ample lamp and luminaire heat dissipation.

Mounting

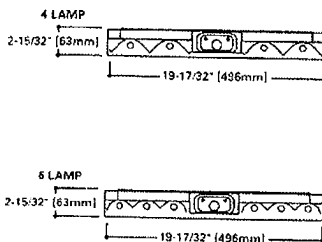
The HBL series is ideally suited for suspension mounting with optional wire hook and chain set, or cable mounting. Single monopoint mounting is also available with SPM long hanger. Includes V Hangers for rapid installation.

Warranty

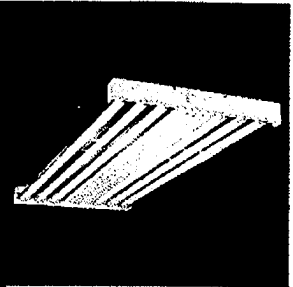
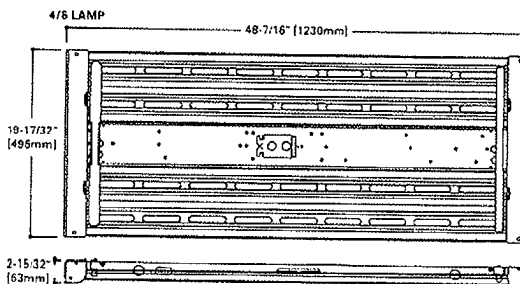
When operated in high ambient conditions, the HBL is supported by a 5 yr/55°C and 3 yr/65°C ballast warranty for T5 and T8 (277V) options when used w/high temperature ballast in open, upright configurations. To maximize your warranty, the HBL should be ordered with a high-temperature ballast in ambient environments that typically exceed 40°C (102°F).



LAMP CONFIGURATIONS



DIMENSION TOP VIEW



HBL SERIES

4 OR 6 T5 LAMPS

High-Bay Industrial
Open Luminaire



ENERGY DATA

Input Watts:
ER Ballast
454 = 229
654 = 346

Luminaire Efficacy Rating

LER = 71 (White)

LER = 74 (Specular Inserts)

Catalog Number: HBL-654T5-UPL

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.24

*Reference the lamp/ballast data in the
Technical Section for specific lamp/ballast
requirements.

** Consult Pre Sales Technical Support.

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING
TO LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of
disconnecting power.

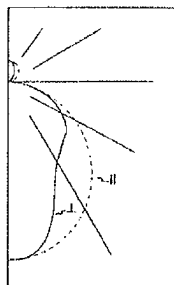


COOPER Lighting
www.cooperlighting.com

Specifications and dimensions subject to change without notice.
Consult your representative for additional options and finishes.

ADF081981 pc
2011-05-19 08:17:57

PHOTOMETRICS


HBL-654-N-UPL
Narrow Distribution

(2) Electronic Ballasts
 (6) F54T5/B41HO
 54W T5 lamps
 4400 lumens

Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 0.9 x
 mounting height

Efficiency 97%

Test Report:

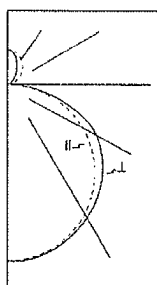
HBL654NUPLIES

LER = 74

Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$3.24

Candela

Angle	Along II	45°	Across L
0	10583	10583	10583
5	10534	10535	10550
10	10391	10308	10134
15	10154	9792	9169
20	8809	8931	7763
25	9377	7773	6433
30	8862	6554	5637
35	8262	5519	5199
40	7587	4829	4855
45	6853	4346	4597
50	6074	3919	4425
55	5252	3566	3973
60	4399	3285	3473
65	3522	2754	2994
70	2632	2260	2270
75	1755	1626	1571
80	934	974	1066
85	265	466	420
90	4	11	14


HBL-654-W-UPL
Wide Distribution

(2) Electronic Ballasts
 (6) F54T5/B41HO
 54W T5 lamps
 4400 lumens

Spacing criterion:
 (II) 1.3 x mounting
 height, (L) 1.3 x
 mounting height

Efficiency 93.3%

Test Report:

HBL654WUPLIES

LER = 71

Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$3.38

Candela

Angle	Along II	45°	Across L
0	6850	6850	6850
5	6814	6836	6863
10	6739	6770	6796
15	6607	6648	6668
20	6418	6461	6487
25	6179	6222	6278
30	5891	5945	6049
35	5558	5637	5792
40	5183	5301	5498
45	4773	4928	5187
50	4335	4526	4827
55	3866	4100	4434
60	3370	3638	3957
65	2843	3159	3437
70	2283	2630	2685
75	1672	1932	1841
80	1012	1216	1267
85	348	948	548
90	4	37	50

Coefficients of Utilization

rc	Effective floor cavity reflectance 20%											
	80%			70%			50%			30%		
rw	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	114	114	114	114	110	110	110	103	103	103	97	97
1	104	99	95	92	100	96	93	89	91	88	85	86
2	95	87	80	75	91	84	78	73	80	75	71	75
3	86	77	69	63	83	74	67	62	70	64	60	67
4	78	68	60	54	77	68	59	53	63	55	51	60
5	73	61	53	46	71	60	52	46	57	50	45	54
6	68	55	47	41	65	54	46	40	51	44	39	49
7	63	50	42	36	61	49	41	36	47	40	35	45
8	59	46	38	33	57	45	37	32	43	36	32	41
9	55	42	35	29	53	42	34	29	40	33	29	38
10	52	39	32	27	50	38	31	27	37	31	26	36

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	7354	27.9	28.7
0-40	11251	42.8	43.9
0-60	18573	70.4	72.5
0-90	23479	88.9	91.6
0-180	25621	92.0	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
0-30	16466	10442	11045
0-40	15557	10563	11768
0-60	14159	11071	12036
0-90	11620	10573	10312
0-180	5166	9084	8187

Coefficients of Utilization

rc	Effective floor cavity reflectance 20%											
	80%			70%			50%			30%		
rw	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	109	109	109	109	105	105	105	105	98	98	98	98
1	99	94	90	86	95	91	87	84	85	82	79	80
2	89	81	74	69	86	78	72	67	74	69	64	69
3	81	71	63	57	78	68	61	55	64	58	53	60
4	74	62	54	47	71	60	53	47	57	50	45	53
5	68	55	47	40	65	54	46	40	51	44	38	48
6	62	50	41	35	60	48	40	34	46	39	33	43
7	58	45	37	31	56	44	36	30	41	34	29	39
8	54	41	33	27	52	40	32	27	38	31	26	36
9	50	37	30	24	48	36	29	24	35	28	23	33
10	47	34	27	22	45	34	26	22	32	26	21	30

Zonal Lumen Summary

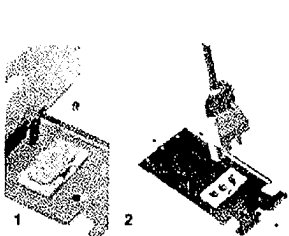
Zone	Lumens	%Lamp	%Fixture
0-30	5401	20.5	21.9
0-40	8947	33.9	36.3
0-60	16453	62.3	66.8
0-90	22065	83.6	88.6
0-180	24626	93.3	100.0

Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
0-30	11468	11843	12463
0-40	11451	12144	13134
0-60	11425	12699	13817
0-90	10975	12682	12741
0-180	6784	10682	10682

Modular F-Bay Power Supply Option

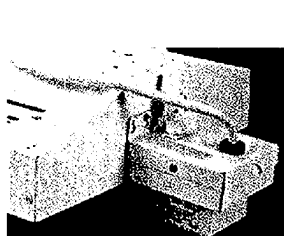
Cooper Lighting's F-Bay Modular Power Supply option is available for use with all F-Bay products. The modular power supply allows external fixture access for safe and easy servicing. There is no need to remove lamps or reflectors to disconnect fixture power with F-Bay Modular Power Supply. Access to the individual fixture's power supply allows servicing without turning off all the fixtures, disrupting occupants. F-Bay Modular Power Supply is a time-saver in installation – **simply plug & power.**



1. Modular Power Supply Receptacle supplied mounted into fixture Access Plate
2. Modular Power Cord & Plugs in 120, 277, 347, & 480V configurations for easy plug & power into existing supply



No internal fixture access required for installation or disconnecting power



Modular Motion Sensor Option supplied with Mounting Box and Modular Power Supply Receptacle

Code Compliance

- UL/cUL Certified for Make/Break under load (UL2549)
- Meets NEC requirements for ballast disconnect (NEC 410.73G)
- Allows for addition of Occupancy Sensor without hard connections
- Receptacles complete with insulating/dust cap

ORDERING INFORMATION

SAMPLE NUMBER: HBL-654T5-N-UNV-EBT2-UPL-U Includes V Hangers for rapid installation⁽¹⁾

Width Blank=20" wide 4 & 6 Lamp (nominal)	Voltage⁽¹⁾ UNV=Universal 120/277 Voltage UNG=Universal 347/480 Voltage 120V=120 Volt 277V=277 Volt 347V=347 Volt	Ballast Type^{(2), (3)} T5 Systems EBT=T5 Linear Electronic Program Rapid Start ⁽⁴⁾ Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3 EHT=T5 Linear Electronic Program Start High Ambient ^{(5), (6)} Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3	Options UPL=Uplight Apertures on Reflector MP=Modular Power Receptacle (Used for all Cord or Cord and Plug options) ^{(7), (8)} MWS=Modular Wiring System ⁽⁹⁾ MS=360° or 180° Motion Sensor installed (120V through 347V or 480V) ⁽¹⁰⁾ Accessories (order separately) HBL-SPM=Single Monopoint Hanger w/tub RH-1=Retrofit Hanger FH-1=Fixture Hook FL-1=Fixture Loop Y-TOGGLE=Y Mounting Toggle, #2 Cable (Specify 10' or 30') HBAYC-CHAIN/SET/U=(2) V-Hook Hanger, 36" Chain Sets w/S-Hooks MC3=3' Modular Power Cord MPC3=3' Modular Power Cord & Plug (Specify Voltage) MC6=6' Modular Power Cord MPC6=6' Modular Power Cord & Plug (Specify Voltage) MMS=360° or 180° Aisle Motion Sensor with Modular Power Receptacle (120-277V) ⁽¹¹⁾ MD56=6' Modular Power Cord with MWS 27DS18/2G06MP Connector ⁽¹²⁾ WG/HBL6-4FT-B=4/6 Lamp Wireguard w/Clips	Packaging U=Unit Pack PALC=Palletized In Carton
Series HBL=Linear High Bay	Options Lamps Installed L5835=T5HO Lamp, 85CRI 3500K L5841=T5HO Lamp, 85CRI 4100K L5850=T5HO Lamp, 85CRI 5000K GL=Single Element Fuse GM=Double Element Fuse EL=Emergency Installed			
No. of Lamps 4=4 Lamps 6=6 Lamps				
Lamp Type 48T5=49WT5HO (4') Lamps 51T5=51WT5HO (4') Lamps 54T5=54WT5HO Lamp (48" Long)				
Distribution N=Narrow Beam (Standard) M=Medium Beam W=Wide Beam				

NOTES: ⁽¹⁾Voltage must be specified when ordered with plugs or emergency ballasts. For MS option, indicate UNV (for 120V or 277V), 347V or 480V.
⁽²⁾EBT ballast systems suitable for operation in ambient environments up to 104°F (40°C) in upright configuration. ⁽³⁾EHT/HTS/HCT5 ballast systems are
 suitable for ambient environments not to exceed 149°F (65°C) in upright configurations. ⁽⁴⁾Requires use of MC_ or MPC_ cord accessories, specify voltage
 for plugs. ⁽⁵⁾Cannot be combined with Modular Power Receptacle (MP). ⁽⁶⁾Recommended when using motion sensor options or accessories. ⁽⁷⁾Can be
 used in high abuse applications such as gymnasiums. ⁽⁸⁾For MWS with MP, choose MP in fixture logic and then choose MWS accessory such as MDS6.
⁽⁹⁾For MWS with MP, choose MP in fixture logic and then choose MWS accessory such as MDS6.

SHIPPING DATA

Catalog No.	Wt.
HBL-454T5-UNV-UPL	13.5 lbs.
HBL-654T5-UNV-UPL	15 lbs.

Quick Ship Ordering Information Sample Number: HBL454T5-MP-UPL-L5 Includes V Hangers for rapid installation⁽¹⁾

Quick Ship orders ship in 5 days in order quantities not to exceed 200 pieces.

NOTE: Orders received after noon are entered on the following day.

Family HBL	Lamp Type 51=51WT5HO Lamps (48") 54=54WT5HO Lamps (48")	Ballast Type T5HO Systems T5=(2) 120/277V 4/2 Lamp T5 Electronic Program Rapid Start ⁽¹⁾ HTS=(2) 120/277V 4/2 Lamp T5 High Ambient Electronic Program Rapid Start ⁽²⁾	Power Receptacle MP=Modular Power Receptacle ⁽³⁾	Uplight Blank=No Uplight UPL=Uplight	Lamping Blank=No Lamps L4=Lamps Installed 85+CRI 4100K ⁽⁴⁾ L5=Lamps Installed 85+CRI 5000K ⁽⁵⁾ LSES=Energy Savings Lamps Installed 85+CRI 5000K
No. of Lamps 4=4 Lamps 6=6 Lamps	Distribution Blank=Narrow Beam W=Wide Beam				

NOTES: ⁽¹⁾T5 ballast systems suitable for operation in ambient environments up to 104°F (40°C) in upright configuration. ⁽²⁾EHT/HTS/HCT5 ballast systems are suitable for ambient environments not to exceed 149°F (65°C) in upright configurations. ⁽³⁾Requires use of MC_ or MPC_ cord accessories, specify voltage for plugs. ⁽⁴⁾For Quick Ship, lamping option only available w/54W lamp type.

Fluorescent Lamps

Bulb Shape	Base	Watts	Nominal Length (in)	Order Code	Description	Case Qty	Rated Life (3hr/Start)	Rated Life (12hr/Start)	Initial Lumens	Mean Lumens	Color Temp K	CRI	High Color Rendering	Energy Savings	Reduced Voltage	Meets Federal Minimum Efficiency Standards	Foot notes	Warning and Caution Notices	Additional Information	
T5 Starcoat® Ecolux® Lamps																				
T5 High Efficiency																				
T5	Miniature Bi-Pin (G5)	14	21.6	31590	F14W/T5/830/ECO	40	30000	36000	1350	1240	3000	85	✓				19	101		
		14	21.6	46671	F14W/T5/835/ECO	40	30000	36000	1350	1240	3500	85	✓				19	101		
		14	21.6	46673	F14W/T5/841/ECO	40	30000	36000	1350	1240	4100	85	✓					19	101	
		14	21.6	46674	F14W/T5/850/ECO	40	30000	36000	1300	1190	5000	85	✓					19	101	
		14	21.6	46676	F14W/T5/865/ECO	40	30000	36000	1250	1150	6500	85	✓					19	101	
		21	33.4	46677	F21W/T5/830/ECO	40	30000	36000	2100	1930	3000	85	✓					19	101	
		21	33.4	46684	F21W/T5/835/ECO	40	30000	36000	2100	1930	3500	85	✓					19	101	
		21	33.4	46687	F21W/T5/841/ECO	40	30000	36000	2100	1930	4100	85	✓					19	101	
		21	33.4	46688	F21W/T5/850/ECO	40	30000	36000	2000	1840	5000	85	✓					19	101	
		21	33.4	46689	F21W/T5/865/ECO	40	30000	36000	1950	1790	6500	85	✓					19	101	
		28	45.2	46704	F28W/T5/830/ECO	40	30000	36000	2900	2660	3000	85	✓					19	101	
		28	45.2	46705	F28W/T5/835/ECO	40	30000	36000	2900	2660	3500	85	✓					19	101	
		28	45.2	46706	F28W/T5/841/ECO	40	30000	36000	2900	2660	4100	85	✓					19	101	
		28	45.2	46707	F28W/T5/850/ECO	40	30000	36000	2750	2530	5000	85	✓					19	101	
		28	45.2	46708	F28W/T5/865/ECO	40	30000	36000	2700	2480	6500	85	✓					19	101	
		35	57.1	46724	F35W/T5/830/ECO	40	30000	36000	3650	3350	3000	85	✓					19	101	
		35	57.1	46727	F35W/T5/835/ECO	40	30000	36000	3650	3350	3500	85	✓					19	101	
		35	57.1	46735	F35W/T5/841/ECO	40	30000	36000	3650	3350	4100	85	✓					19	101	
		35	57.1	46742	F35W/T5/850/ECO	40	30000	36000	3500	3220	5000	85	✓					19	101	
		35	57.1	46743	F35W/T5/865/ECO	40	30000	36000	3400	3120	6500	85	✓					19	101	
T5 High Output																				
T5	Miniature Bi-Pin (G5)	24	21.6	46699	F24W/T5/830/ECO	40	30000	36000	2000	1840	3000	85	✓				19	101		
		24	21.6	46700	F24W/T5/835/ECO	40	30000	36000	2000	1840	3500	85	✓					19	101	
		24	21.6	46701	F24W/T5/841/ECO	40	30000	36000	2000	1840	4100	85	✓					19	101	
		24	21.6	46702	F24W/T5/850/ECO	40	30000	36000	1900	1740	5000	85	✓					19	101	
		24	21.6	46703	F24W/T5/865/ECO	40	30000	36000	1880	1740	6500	85	✓					19	101	
		39	33.4	46744	F39W/T5/830/ECO	40	30000	36000	3500	3220	3000	85	✓					19	101	
		39	33.4	46745	F39W/T5/835/ECO	40	30000	36000	3500	3220	3500	85	✓					19	101	
		39	33.4	46746	F39W/T5/841/ECO	40	30000	36000	3500	3220	4100	85	✓					19	101	
		39	33.4	46747	F39W/T5/850/ECO	40	30000	36000	3350	3080	5000	85	✓					19	101	
		39	33.4	46748	F39W/T5/865/ECO	40	30000	36000	3330	3060	6500	85	✓					19	101	
		54	45.2	46759	F54W/T5/830/ECO	40	30000	36000	5000	4600	3000	85	✓					19	101	
		54	45.2	46760	F54W/T5/835/ECO	40	30000	36000	5000	4600	3500	85	✓					19	101	
		54	45.2	46761	F54W/T5/841/ECO	40	30000	36000	5000	4600	4100	85	✓					19	101	
		54	45.2	46762	F54W/T5/850/ECO	40	30000	36000	4800	4410	5000	85	✓					19	101	
		54	45.2	46763	F54W/T5/865/ECO	40	30000	36000	4750	4370	6500	85	✓					19	101	
		80	57.1	46802	F80W/T5/830/ECO	40	30000	36000	7000	6440	3000	85	✓					19	101	
		80	57.1	46803	F80W/T5/835/ECO	40	30000	36000	7000	6440	3500	85	✓					19	101	
		80	57.1	46804	F80W/T5/841/ECO	40	30000	36000	7000	6440	4100	85	✓					19	101	
		80	57.1	46805	F80W/T5/850/ECO	40	30000	36000	6700	6160	5000	85	✓					19	101	
		80	57.1	46806	F80W/T5/865/ECO	40	30000	36000	6650	6110	6500	85	✓					19	101	
Ultra Energy Saving T5 Lamps																				
T5 High Efficiency Watt-Miser®																				
T5	Miniature Bi-Pin (G5)	13	21.6	71632	F14T5/830/NM/ECO	40	25000	30000	1350	1240	3000	85	✓	\$	~		19	101		
		13	21.6	71633	F14T5/835/NM/ECO	40	25000	30000	1350	1240	3500	85	✓	\$	~		19	101		
		13	21.6	71634	F14T5/841/NM/ECO	40	25000	30000	1350	1240	4100	85	✓	\$	~		19	101		
		13	21.6	71635	F14T5/850/NM/ECO	40	25000	30000	1300	1190	5000	85	✓	\$	~		19	101		
		13	21.6	71636	F14T5/865/NM/ECO	40	25000	30000	1250	1150	6500	85	✓	\$	~		19	101		
		20	33.4	71637	F21T5/830/NM/ECO	40	25000	30000	2100	1930	3000	85	✓	\$	~		19	101		
		20	33.4	71638	F21T5/835/NM/ECO	40	25000	30000	2100	1930	3500	85	✓	\$	~		19	101		
		20	33.4	71639	F21T5/841/NM/ECO	40	25000	30000	2100	1930	4100	85	✓	\$	~		19	101		
		20	33.4	71640	F21T5/850/NM/ECO	40	25000	30000	2000	1840	5000	85	✓	\$	~		19	101		
		20	33.4	71641	F21T5/865/NM/ECO	40	25000	30000	1950	1790	6500	85	✓	\$	~		19	101		
		26	45.2	71642	F28T5/830/NM/ECO	40	25000	30000	2900	2660	3000	85	✓	\$	~		19	101		
		26	45.2	71643	F28T5/835/NM/ECO	40	25000	30000	2900	2660	3500	85	✓	\$	~		19	101		
		26	45.2	71644	F28T5/841/NM/ECO	40	25000	30000	2900	2660	4100	85	✓	\$	~		19	101		
		26	45.2	71645	F28T5/850/NM/ECO	40	25000	30000	2750	2530	5000	85	✓	\$	~		19	101		
		26	45.2	71646	F28T5/865/NM/ECO	40	25000	30000	2700	2480	6500	85	✓	\$	~		19	101		

Bulb Shape	Base	Watts	Nominal Length (in)	Order Code	Description	Case Qty	Rated Life (hrs)	Initial Lumens	Mean Lumens	Color Temp. K	CRI	High Color Rendering	Energy Savings	Reduced Voltage	Meets Federal Efficiency Standards	Footcandles	Warning and Caution Notices	Additional Information
Other Diameters (continued)																		
Pg17 T17 Preheat																		
T17	Mogul Bi-Pin (G20)	82	60.0	43443	F90T17/CW/WM	12	9000	5750	5060	4100	60		\$	-		4	101	
		90	60.0	10643	F90T17/CW	12	9000	6000	5280	4100	60			-		4	101	
Power Groove Recessed Double Contact (1500mA)																		
PG17	Recessed Double Contact (R17d)	185	96.0	42666	F96PG17/CW/WM	8	12000	12700	9900	4100	60		\$	-		4	101	
		215	96.0	11009	F96PG17/CW	8	10000	14000	10915	4100	60			-		4	101	
		215	96.0	11018	F96PG17/D	8	10000	12100	9440	6500	74	0				4	101	Daylight
T9 Circline® Lamps																		
T9	4-Pin (G10q)	20	6.5	42732	FC6T9/CW	12	12000	800	560	4100	60						101	
		22	8.25	33774	FC8T9/CW	12	12000	1100	825	4100	60						101	
		22	8.25	11026	FC8T9/D	12	12000	925	690	6500	75	0					101	Daylight
		22	8.25	11084	FC8T9/K8	6	12000	1400	1120	3000	82	0					104	Kitchen & Bath
		32	12.0	33890	FC12T9/CW	12	12000	1950	1460	4100	60						101	
		32	12.0	11039	FC12T9/D	12	12000	1675	1260	6500	75	0					101	Daylight
		32	12.0	11085	FC12T9/K8	6	12000	2400	1920	3000	82	0					104	Kitchen & Bath
		40	16.0	33893	FC16T9/CW	12	12000	2700	2030	4100	60						101	
		40	16.0	11052	FC16T9/D	12	12000	2250	1690	6500	75	0					101	Daylight
		Special Application Lamps																
GovGuard® Shatter Resistant																		
T5 High Efficiency																		
T5	Miniature Bi-Pin (G5)	14	21.6	73194	F14W/T5/B30/ECO/CVG	40	20000	1310	1200	3000	85	0				11, 13	103	
		14	21.6	73195	F14W/T5/B35/ECO/CVG	40	20000	1310	1200	3500	85	0				11, 13	103	
		14	21.6	73196	F14W/T5/B41/ECO/CVG	40	20000	1310	1200	4100	85	0				11, 13	103	
		14	21.6	73197	F14W/T5/B50/ECO/CVG	40	20000	1260	1155	5000	85	0				11, 13	103	
		28	45.2	81546	F28W/T5/B30/ECO/CVG	40	20000	2813	2672	3000	85	0				11, 13	103	
		28	45.2	81547	F28W/T5/B35/ECO/CVG	40	20000	2813	2672	3500	85	0				11, 13	103	
		28	45.2	81548	F28W/T5/B41/ECO/CVG	40	20000	2813	2672	4100	85	0				11, 13	103	
		28	45.2	81549	F28W/T5/B50/ECO/CVG	40	20000	2667	2534	5000	85	0				11, 13	103	
		28	45.2	81550	F28W/T5/B65/ECO/CVG	40	20000	2319	2488	6500	85	0				11, 13	103	
		T5 High Output																
T5	Miniature Bi-Pin (G5)	24	21.6	71000	F24W/T5/B30/ECO/CVG	40	30000	1950	1853	3000	85	0				11	103	Does not block UV
		24	21.6	70998	F24W/T5/B35/ECO/CVG	40	30000	1950	1853	3500	85	0				11	103	Does not block UV
		24	21.6	70997	F24W/T5/B41/ECO/CVG	40	30000	1950	1853	4100	85	0				11	103	Does not block UV
		24	21.6	70999	F24W/T5/B50/ECO/CVG	40	30000	1850	1758	5000	85	0				11	103	Does not block UV
		24	21.6	70996	F24W/T5/B65/ECO/CVG	40	30000	1800	1710	6500	85	0				11	103	Does not block UV
		39	33.4	70995	F39W/T5/B30/ECO/CVG	40	30000	3400	3230	3000	85	0				11	103	Does not block UV
		39	33.4	70994	F39W/T5/B35/ECO/CVG	40	30000	3400	3230	3500	85	0				11	103	Does not block UV
		39	33.4	70993	F39W/T5/B41/ECO/CVG	40	30000	3400	3230	4100	85	0				11	103	Does not block UV
		39	33.4	70991	F39W/T5/B50/ECO/CVG	40	30000	3250	3088	5000	85	0				11	103	Does not block UV
		39	33.4	70990	F39W/T5/B65/ECO/CVG	40	30000	3250	3040	6500	85	0				11	103	Does not block UV
		54	45.2	48433	F54T5/B30/HO/ECO/CVG	40	30000	4850	4560	3000	85	0				11	103	Does not block UV
		54	45.2	48436	F54T5/B35/HO/ECO/CVG	40	30000	4850	4560	3500	85	0				11	103	Does not block UV
		54	45.2	48458	F54T5/B41/HO/ECO/CVG	40	30000	4850	4560	4100	85	0				11	103	Does not block UV
		54	45.2	80311	F54T5/B50/HO/ECO/CVG	40	30000	4650	4370	5000	85	0				11	103	Does not block UV
		54	45.2	48469	F54T5/B65/HO/ECO/CVG	40	30000	4650	4320	6500	85	0				11	103	Does not block UV
T5 High Output Watt-Miser®																		
T5	Miniature Bi-Pin (G5)	51	45.2	72985	F54T5/B30/WM/ECO/CVG	40	30000	4850	4560	3000	85	0	\$	-		11	103	Does not block UV
		51	45.2	72986	F54T5/B35/WM/ECO/CVG	40	30000	4850	4560	3500	85	0	\$	-		11	103	Does not block UV
		51	45.2	72987	F54T5/B41/WM/ECO/CVG	40	30000	4850	4560	4100	85	0	\$	-		11	103	Does not block UV
		51	45.2	72988	F54T5/B50/WM/ECO/CVG	40	30000	4650	4370	5000	85	0	\$	-		11	103	Does not block UV
		51	45.2	72989	F54T5/B65/WM/ECO/CVG	40	30000	4650	4320	6500	85	0	\$	-		11	103	Does not block UV
T5 Preheat Lamps																		
T5	Miniature Bi-Pin (G5)	4	6.0	41435	F4T5/CW/CVG	24	5000	130	97	4100	60					11, 13	103	
		6	9.0	41106	F6T5/CW/CVG	24	5000	285	228	4100	60					11, 13	103	
		8	12.0	41107	F8T5/CW/CVG	24	5000	385	310	4100	60					11, 13	103	
		13	21.0	41108	F13T5/CW/CVG	24	5000	820	684	4100	60					11, 13	103	

Fluorescent Lamps

Bulb Shape	Base	Watts	Nominal Length (in)	Order Code	Description	Cave Qty	Rated Life (Hrs/Start)	Rated Life (L2hrs/Start)	Initial Lumens	Mean Lumens	Color Temp(K)	CRI	High Color Rendering	Energy Savings	Reduced Voltage	Meets Federal Minimum Efficiency Standards	Foot notes	Warning and Caution Notices	Additional Information	
T8 Starcoat® Lamps (continued)																				
2' T8 Ecolux®																				
T8	Medium Bi-Pin (G13)	25	36.0	45750	F25T8/SP30/ECO	24	20000	24000	2080	1970	3000	78	☺				18	101		
		25	36.0	45754	F25T8/SP35/ECO	24	20000	24000	2080	1970	3500	78	☺				18	101		
		25	36.0	45756	F25T8/SP41/ECO	24	20000	24000	2080	1970	4100	78	☺				18	101		
		25	36.0	45753	F25T8/SPX30/ECO	24	20000	24000	2150	2040	3000	86	☺				18	101		
		25	36.0	45755	F25T8/SPX35/ECO	24	20000	24000	2150	2040	3500	86	☺				18	101		
25	36.0	45757	F25T8/SPX41/ECO	24	20000	24000	2150	2040	4100	86	☺					18	101			
3' T8 Ecolux® XL Extra-life																				
T8	Medium Bi-Pin (G13)	25	36.0	15486	F25T8/XL/SP30/ECO	24	24000	29000	2080	1970	3000	78	☺				18	101		
		25	36.0	15487	F25T8/XL/SP35/ECO	24	24000	29000	2080	1970	3500	78	☺				18	101		
		25	36.0	15488	F25T8/XL/SP41/ECO	24	24000	29000	2080	1970	4100	78	☺				18	101		
		25	36.0	15489	F25T8/XL/SPX30/ECO	24	24000	29000	2150	2040	3000	86	☺				18	101		
		25	36.0	15490	F25T8/XL/SPX35/ECO	24	24000	29000	2150	2040	3500	86	☺				18	101		
		25	36.0	15491	F25T8/XL/SPX41/ECO	24	24000	29000	2150	2040	4100	86	☺				18	101		
		25	36.0	10416	F25T8/XL/SPX50/ECO	24	24000	29000	2050	1950	5000	86	☺				18	101		
		25	36.0	16314	F25T8/XL/SPX65/ECO	24	24000	29000	1950	1755	6500	85	☺				18	101		
4' T8 Ecolux®																				
T8	Medium Bi-Pin (G13)	32	48.0	26666	F32T8/SP30/ECO	36	30000	36000	2800	2660	3000	78	☺				Ⓢ	18	101	
		32	48.0	26667	F32T8/SP35/ECO	36	30000	36000	2800	2660	3500	78	☺				Ⓢ	18	101	
		32	48.0	26668	F32T8/SP41/ECO	36	30000	36000	2800	2660	4100	78	☺				Ⓢ	18	101	
		32	48.0	16090	F32T8/SP50/ECO	36	30000	36000	2750	2610	5000	78	☺				Ⓢ	18	101	
		32	48.0	16091	F32T8/SP65/ECO	36	30000	36000	2700	2565	6500	78	☺				Ⓢ	18	101	
		32	48.0	25611	F32T8/SPX30/ECO	36	30000	36000	2950	2800	3000	86	☺				Ⓢ	18	101	
		32	48.0	25612	F32T8/SPX35/ECO	36	30000	36000	2950	2800	3500	86	☺				Ⓢ	18	101	
		32	48.0	25613	F32T8/SPX41/ECO	36	30000	36000	2950	2800	4100	86	☺				Ⓢ	18	101	
		32	48.0	42054	F32T8/SPX50/ECO	36	30000	36000	2800	2660	5000	86	☺				Ⓢ	18	101	
		32	48.0	16089	F32T8/XL/SPX65/ECO	36	36000	42000	2750	2475	6500	85	☺				Ⓢ	18	101	
4' T8 Ecolux® XL Extra-life																				
T8	Medium Bi-Pin (G13)	32	48.0	27616	F32T8/XL/SP30/ECO	36	36000	42000	2800	2660	3000	78	☺				Ⓢ	18	101	
		32	48.0	27617	F32T8/XL/SP35/ECO	36	36000	42000	2800	2660	3500	78	☺				Ⓢ	18	101	
		32	48.0	27618	F32T8/XL/SP41/ECO	36	36000	42000	2800	2660	4100	78	☺				Ⓢ	18	101	
		32	48.0	27619	F32T8/XL/SPX30/ECO	36	36000	42000	2950	2800	3000	86	☺				Ⓢ	18	101	
		32	48.0	27620	F32T8/XL/SPX35/ECO	36	36000	42000	2950	2800	3500	86	☺				Ⓢ	18	101	
		32	48.0	27621	F32T8/XL/SPX41/ECO	36	36000	42000	2950	2800	4100	86	☺				Ⓢ	18	101	
		32	48.0	16313	F32T8/XL/SPX50/ECO	36	36000	42000	2800	2660	5000	86	☺				Ⓢ	18	101	
		32	48.0	16089	F32T8/XL/SPX65/ECO	36	36000	42000	2750	2475	6500	85	☺				Ⓢ	18	101	
4' T8 Ecolux® Super Long Life																				
T8	Medium Bi-Pin (G13)	32	48.0	73093	F32T8/XL/SPX30/ECO	36	40000	46000	2850	2675	3000	84	☺				Ⓢ	18	101	
		32	48.0	73094	F32T8/XL/SPX35/ECO	36	40000	46000	2850	2675	3500	83	☺				Ⓢ	18	101	
		32	48.0	73095	F32T8/XL/SPX41/ECO	36	40000	46000	2850	2675	4100	81	☺				Ⓢ	18	101	
		32	48.0	73096	F32T8/XL/SPX50/ECO	36	40000	46000	2800	2630	5000	80	☺				Ⓢ	18	101	
Ultra Energy Saving T8 Lamps																				
2' T8 Ecolux® Watt-Miser® 15 Watt Lamp																				
T8	Medium Bi-Pin (G13)	15	24.0	72132	F17T8/XL/SPX30/WM/ECO	24	24000	29000	1200	1130	3000	85	☺	\$	-		1.18	101		
		15	24.0	72133	F17T8/XL/SPX35/WM/ECO	24	24000	29000	1200	1130	3500	85	☺	\$	-		1.18	101		
		15	24.0	72134	F17T8/XL/SPX41/WM/ECO	24	24000	29000	1200	1130	4100	82	☺	\$	-		1.18	101		
		15	24.0	72135	F17T8/XL/SPX50/WM/ECO	24	24000	29000	1175	1105	5000	80	☺	\$	-		1.18	101		
3' T8 Ecolux® Watt-Miser® 22 Watt Lamp																				
T8	Medium Bi-Pin (G13)	22	36.0	72136	F25T8/XL/SPX30/WM/ECO	24	24000	29000	1925	1810	3000	85	☺	\$	-		1.18	101		
		22	36.0	72137	F25T8/XL/SPX35/WM/ECO	24	24000	29000	1925	1810	3500	85	☺	\$	-		1.18	101		
		22	36.0	72138	F25T8/XL/SPX41/WM/ECO	24	24000	29000	1925	1810	4100	82	☺	\$	-		1.18	101		
		22	36.0	72139	F25T8/XL/SPX50/WM/ECO	24	24000	29000	1900	1785	5000	80	☺	\$	-		1.18	101		

Rated life for 2 ft through 4 ft Starcoat® Ecolux® Medium Bi-Pin T8 lamps is determined on programmed start ballasts. Life ratings are based on engineering data on programmed start ballasts with lamps cycled every 3 or 12 operating hours. Lamp life is approximately 35% longer @ 3 hour starts and 20% longer @ 12 hours starts with programmed start ballasts as compared to standard instant start ballasts (see chart on page 4-41).



Fluorescent Lamps

Bulb Base	Nominal Length Order	Watts in.	Code	Description	Case Qty.	Rated Life	Lumens Initial	Color Temp. Mean	K	CRI	Foot-candles	Warning and Cautions	Additional Information
SPECIAL APPLICATION LAMPS (CONTINUED)													
COVERGUARD® SHATTER PROTECTED (CONTINUED)													
T8 ECOLUX® W/ STARCOAT® (CONTINUED)													
4' T8 (48") ECOLUX® W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	40803 F32T8/SP30/ECO/CVG	36	20000	2715	2580	3000	78 @	1,13,18	103	
				40804 F32T8/SP35/ECO/CVG	36	20000	2715	2580	3500	78 @	1,13,18	103	
				40812 F32T8/SP41/ECO/CVG	36	20000	2715	2580	4100	78 @	1,13,18	103	
				18366 F32T8/SP50/ECO/CVG	36	20000	2665	2530	5000	78 @	1,13,18	103	
				18368 F32T8/SP65/ECO/CVG	36	20000	2620	2490	6500	78 @	1,13,18	103	
				41125 F32T8/SPX30/ECO/CVG	36	20000	2860	2710	3000	86 @	1,13,18	103	
				41126 F32T8/SPX35/ECO/CVG	36	20000	2860	2710	3500	86 @	1,13,18	103	
				41127 F32T8/SPX41/ECO/CVG	36	20000	2860	2710	4100	86 @	1,13,18	103	
				15971 F32T8/SPX50/ECO/CVG	36	20000	2715	2580	5000	86 @	1,13,18	103	
4' T8 ECOLUX® XL EXTRA-LIFE W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	15972 F32T8/XL/SPX30ECO/CVG	36	20000	2860	2715	3000	86 @	1,13,18	103	
				15973 F32T8/XL/SPX35ECO/CVG	36	20000	2860	2715	3500	86 @	1,13,18	103	
				18369 F32T8/XL/SPX41ECO/CVG	36	20000	2860	2715	4100	86 @	1,13,18	103	
				23746 F32T8/XL/SPX50ECO/CVG	36	20000	2860	2715	4100	86 @	1,13,18	103	
4' T8 ECOLUX® SUPER LONG LIFE W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	14560 F32T8/SXL/SP35/ECO/CVG	36	30000	2765	2595	3500	83 @	1,13,18	103	
				14551 F32T8/SXL/SP41/ECO/CVG	36	30000	2765	2595	4100	81 @	1,13,18	103	
ULTRA ENERGY SAVING T8 LAMPS W/ COVERGUARD®													
4' T8 ECOLUX® WATT-MISER® W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	40286 F32T8/SP30/IS/WM/ECO/CVG	36	20000	2790	2620	3000	84 @	1,11,13,18	103	
				40299 F32T8/SP35/IS/WM/ECO/CVG	36	20000	2765	2595	3500	83 @	1,11,13,18	103	
				40309 F32T8/SP41/IS/WM/ECO/CVG	36	20000	2740	2570	4100	81 @	1,11,13,18	103	
				47422 F32T8/SP50/IS/WM/ECO/CVG	36	20000	2740	2570	4100	81 @	1,11,13,18	103	
4' T8 ECOLUX® WATT-MISER® XL EXTRA-LIFE W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	10023 F32T8/XL/SP30/WM/ECO/CVG	36	24000	2740	2570	3000	84 @	1,11,13,18	103	
				40297 F32T8/XL/SP35/WM/ECO/CVG	36	24000	2715	2545	3500	83 @	1,11,13,18	103	
				40310 F32T8/XL/SP41/WM/ECO/CVG	36	24000	2690	2520	4100	81 @	1,11,13,18	103	
				47423 F32T8/XL/SP50/WM/ECO/CVG	36	24000	2690	2520	4100	81 @	1,11,13,18	103	
4' T8 ECOLUX® HIGH LUMEN XL EXTRA-LIFE W/ STARCOAT®													
T8	Medium BiPin (G13)	32	48	00267 F32T8/XL/SPX30/HL/ECO/CVG	36	24000	3005	2825	4100	82 @	1,13,18	103	
				00268 F32T8/XL/SPX35/HL/ECO/CVG	36	24000	3005	2825	3500	85 @	1,13,18	103	
				00269 F32T8/XL/SPX41/HL/ECO/CVG	36	24000	3005	2825	3000	85 @	1,13,18	103	
				80497 F32T8/XL/SPX50/HL/ECO/CVG	36	24000	3005	2825	4100	82 @	1,13,18	103	
T8 MOD-U-LINE® 6" SPACING													
T8	Medium BiPin (G13)	32	22.5	23655 F32T8/SP30/U6/CVG	12	20000	2640	2510	3000	78 @	11,13	103	
				23656 F32T8/SP35/U6/CVG	12	20000	2640	2510	3500	78 @	11,13	103	
				23657 F32T8/SP41/U6/CVG	12	20000	2640	2510	4100	78 @	11,13	103	
				23658 F32T8/SPX30/U6/CVG	12	20000	2740	2575	3000	86 @	11,13	103	
				23659 F32T8/SPX35/U6/CVG	12	20000	2740	2575	3500	86 @	11,13	103	
				23660 F32T8/SPX41/U6/CVG	12	20000	2740	2575	4100	86 @	11,13	103	
5' T8 W/ STARCOAT®													
5' T8 (60") W/ STARCOAT®													
T8	Medium BiPin (G13)	40	60	41130 F40T8/SP35/CVG	24	20000	3490	3140	3500	75 @	11,13	103	
				41131 F40T8/SPX35/CVG	24	20000	3610	3240	3500	84 @	11,13	103	
				47351 F40T8/SPX41/CVG	24	20000	3610	3250	4100	80 @	11,13	103	

© Means this lamp meets Federal Minimum Efficiency Standards