

# ELECTRICITY RETROFIT INCENTIVE PROGRAM

## Lighting System Worksheet

Plan on  
**ERIP**



Completing the Lighting Worksheet: Fill in the appropriate fields in the worksheet. To calculate the TOTAL INCENTIVE, multiply the COUNT (quantity of installed equipment) by the UNIT INCENTIVE and enter this amount in the TOTAL INCENTIVE column. The sum of the TOTAL INCENTIVE amounts is entered in the TOTAL LIGHTING WORKSHEET REQUESTED INCENTIVE field at the bottom of the lighting worksheet.

LED MEASURES						
EXIT SIGNS		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Eligible signs shall be 5 watts or less, including LED retrofit kits, replacement fixtures and photoluminescent signs with no supplemental lighting.	5 Watt or less				\$ 25 per sign	\$0
REFRIGERATED DISPLAY CASE LED STRIP LIGHT		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Refrigerated display case LED lighting. Eligible units shall be a 29W or less, 48" to 70" LED strip for use in refrigerated display cases.	29 Watt or less				\$175 per LED strip light	\$0
FLUORESCENT MEASURES						
NON-DIMMABLE SELF BALLASTED CFL		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Screw-in and GU-24 base CFL - All styles	Screw-in and GU-24 All sizes <40 Watt				\$1 per lamp	\$0
PAR CFLs - to be used in indoor lighting applications	11 Watt or less PAR CFL				\$4 per lamp	\$0
	12 -20 Watt PAR CFL				\$4 per lamp	\$0
	20-39 Watt PAR CFL				\$4 per lamp	\$0
PIN SOCKET CFL - DIMMABLE AND NON-DIMMABLE		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
2-Pin pin-socket lamps: lamps shall have the following efficacy:  •Up to 14 Watts – minimum efficacy of 45 initial Lumens/Watt  •15 to 40 Watts – minimum efficacy of 60 initial Lumens/Watt	Up to 14 Watt, Hard wired, Fixture and Bulb				\$25 per fixture	\$0
	14-26 Watt, Hard wired, Fixture and Bulb					\$0
	26-39 Watt, Hard wired, Fixture and Bulb					\$0
4-Pin pin-socket lamps: lamps shall have the following efficacy:  •Up to 14 Watts – minimum efficacy of 45 initial Lumens/Watt  •15 to 40 Watts – minimum efficacy of 60 initial Lumens/Watt	Up to 14 Watt, Hard wired, Fixture and Bulb				\$25 per fixture	\$0
	14-26 Watt, Hard wired, Fixture and Bulb					\$0
	26-39 Watt, Hard wired, Fixture and Bulb					\$0
DIMMABLE SELF BALLASTED CFL - ALL STYLES		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Dimmable CFLs for the replacement of incandescent bulbs.	Up to 16 W dimmable CFL				\$6 per lamp	\$0
	17 - 20 Watt dimmable CFL				\$6 per lamp	\$0
	21 - 29 Watt dimmable CFL				\$6 per lamp	\$0

**Note :** EnergyStar qualified CFL products are available in a number of formats and styles. EnergyStar certified CFL products meet the minimum EnergyStar specifications for energy performance and other criteria. For more information please visit <http://oee.nrcan.gc.ca/energystar/english/consumers/light.cfm?text=N&printview=N#cfl>  
All CFL products must be legal for sale in Ontario and must meet all applicable code and safety requirements (CSA, cUL, etc.)

## FLUORESCENT MEASURES

STANDARD PERFORMANCE T8		Model #'s Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
<b>New or Retrofit Fixtures.</b> Re-lamp and re-ballast or new fixtures with standard performance T8 lamps and electronic ballasts. Lamps must be 4' to 8' lengths only. Not more than four lamps per fixture.	Single-lamp Std. T-8 fixtures				\$ 12 per fixture	\$0
	Two-lamp Std. T-8 fixtures				\$ 14 per fixture	\$0
	Three-lamp Std. T-8 fixtures				\$ 16 per fixture	\$0
	Four-lamp Std. T-8 fixtures				\$ 18 per fixture	\$0
REDUCED WATTAGE AND HIGH PERFORMANCE T-8 FIXTURES		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
<u>(Reduced Wattage and High Performance T8 Lamps and electronic ballasts must comply with Consortium for Energy Efficiency qualifying list[1])</u>						
<b>New or Retrofit Fixtures.</b> Re-lamp and re-ballast or new fixtures with Consortium for Energy Efficiency listed high performance or reduced wattage T8 lamps and electronic ballasts. Not more than four lamps per fixture. Lamps and electronic ballast must comply with Consortium for Energy Efficiency qualifying list 1.	Single-lamp High Perf. T-8 fixtures				\$ 15 per fixture	\$0
	Two-lamp High Perf. T-8 fixtures				\$ 17 per fixture	\$0
	Three-lamp High Perf. T-8 fixtures				\$ 19 per fixture	\$0
	Four-lamp High Perf. T-8 fixtures				\$ 21 per fixture	\$0

**Note :** The incentive for Standard Performance T-8 and Reduced Wattage and High Performance T-8 fixtures applies only to the replacement of T12 lamps and ballast with T8 lamps using electronic ballasts. Replacements of T12 lamps to T8 lamps without installation of electronic ballast(s) are not eligible. It is the Applicant's responsibility to confirm that light levels of the energy efficient design meet the minimum regulatory requirements and the suggested maximum levels for the proposed use of the space. All products must be legal for sale in Canada.

STANDARD PERFORMANCE MEDIUM BAY T-8 FIXTURES		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
<b>New Fixtures.</b> New fixtures with standard T8 lamps and electronic ballasts for use in medium bay applications. Medium bay applications are those where the bottom of the luminaire is between 16 to 25 feet above the floor. Not more than eight lamps per fixture. For replacement of high intensity discharge (HID) luminaires.	1.3 - Four-lamp Std. T-8 fixtures per 250W Metal Halide				\$90 per fixture	\$0
	1.4 - Six-lamp Std. T-8 fixtures per 400W Metal halide				\$ 100 per fixture	\$0
	1.15 - Eight-lamp Std. T-8 fixtures per 400W Metal Halide				\$ 125 per fixture	\$0
HIGH PERFORMANCE MEDIUM BAY T-8 FIXTURES		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
<b>New Fixtures.</b> New fixtures with Consortium for Energy Efficiency listed high performance T8 lamps and electronic ballasts for use in medium bay applications. Medium bay applications are those where the bottom of the luminaire is between 16 to 30 feet above the floor. Not more than eight lamps per fixture. For replacement of high intensity discharge (HID) luminaires. Lamps and electronic ballasts must comply with the Consortium for Energy Efficiency High Performance qualifying list.	1.15 - Four-lamp High Perf. T-8 fixtures per 250W Metal Halide				\$ 100 per fixture	\$0
	1.35 - Six-lamp Std. T-8 fixtures per 400W Metal Halide				\$ 120 per fixture	\$0
	1.0 - Eight-lamp Std. T-8 fixtures per 400W Metal Halide				\$ 150 per fixture	\$0

**Note :** The incentive for Medium Bay T-8 fixtures (both Standard and High Performance) applies only to the replacement of HID lighting with T-8 fixtures with electronic ballasts mounted at a height of no less than 16 feet above the floor. It is the Applicant's responsibility to confirm that light levels of the energy efficient design meet the minimum regulatory requirements and the suggested maximum levels for the proposed use of the space. All products must be legal for sale in Canada.

## FLUORESCENT MEASURES

T-5 FIXTURES		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
New or Retrofit Fixtures with standard T5 ballast and lamps or high output ballast and lamps. Specify the number of lamps in the Model # cell.	T-5 fixture w 1,2 or 3 Lamps and 1 Electronic Ballast				\$ 105 per fixture	\$0
T-5 MEDIUM AND HIGH BAY FIXTURES		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
New Fixtures with standard T5 ballast and lamps or high output ballast and lamps. Medium bay applications are those where the bottom of the luminaire is 16 to 30 feet above the floor. High bay applications are those where the bottom of the luminaire is greater than 30 feet above the floor.	4 lamp T-5 fixtures				\$ 105 per fixture	\$0
	6 lamp T-5 fixtures				\$ 105 per fixture	\$0
	8 lamp T-5 fixtures				\$ 105 per fixture	\$0
	10 lamp T-5 fixtures				\$ 105 per fixture	\$0
	12 lamp T-5 fixtures				\$ 105 per fixture	\$0

## HIGH INTENSITY DISCHARGE (HID) MEASURES

PULSE-START METAL HALIDE		Model # Lamp/Ballast	Manufacturer Lamp/Ballast	Fixture Count	Unit Incentive	Total Incentive*
New or Retrofit Fixtures. Re-lamp and re-ballast or new lamps and ballast combination meeting ANSI #M154.	320 Watt Pulse start ballast				\$ 143 per fixture	\$0
SELF-BALLASTED CERAMIC METAL HALIDE		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Eligible units shall be a self-ballasted PAR Ceramic Metal Halide lamp for direct replacement of a 50 to 120 W Halogen Lamp	< 30 Watt PAR Ceramic Metal Halide				\$ 30 per lamp	\$0
LOWER WATTAGE HID LAMPS		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Metal Halide Retrofit Lamps. Eligible lamps shall be used for the direct replacement of 175 Watt and 400 Watt metal halide lamps	150 Watt Metal Halide lamp				\$ 6 per lamp	\$0
	360 Watt Metal Halide lamp				\$ 6 per lamp	\$0
High Pressures Sodium Retrofit Lamps. Eligible lamps shall be used for the direct replacement of 250 Watt high pressure sodium lamps. Eligible lamps must be used in an indoor lighting application.	225 Watt High Pressure Sodium lamp				\$ 4 per lamp	\$0

**HIGH INTENSITY DISCHARGE (HID) MEASURES**

**INFRARED COATED HALOGEN MEASURES**

INFRARED COATED HALOGEN LAMPS		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
<b>Infra-red Coated Halogen Lamps.</b> Eligible lamps shall be an MR16, PAR30 or PAR38 infrared coated halogen and must replace a standard halogen or incandescent lamp.	IR Coated MR16 lamp All sizes <25 Watt				\$3 per lamp	\$0
	IR Coated MR16 lamp All sizes 26 - 35 Watt				\$3 per lamp	\$0
	IR Coated PAR lamp All sizes <48 Watt				\$5 per lamp	\$0
	IR Coated PAR lamp All sizes 100 Watt				\$5 per lamp	\$0

**LIGHTING CONTROLS MEASURES**

OCCUPANCY SENSORS		Model #	Manufacturer	Count	Unit Incentive	Total Incentive*
Principle of operation shall be passive infra-red, ultra sonic or a combination only. Commercial grade sensors only. Minimum controlled load 300W on average per sensor assumed for continuous wattage. Prorating of incentive rates is permitted for controlled loads of less than 300W per sensor.	Switch plate mounted occupancy sensor.				\$ 150 per unit/max	\$0
	Ceiling mounted (or fixture mounted for high bay applications) occupancy sensor				\$ 150 per unit/max	\$0

**TOTAL LIGHTING SYSTEM WORKSHEET INCENTIVE REQUESTED\***

The manufacturer and model numbers must be clearly indicated. In order to receive an incentive, you must submit purchase INVOICES indicating model numbers and quantities with PROOF OF PAYMENT (required for incentive payment) or ESTIMATES (required for pre-approval) for purchased equipment. In either case, submit MANUFACTURER'S TECHNICAL SPEC SHEETS demonstrating that the equipment meets the program requirements. All products must be legal for sale in Ontario and must meet all applicable Codes and standards (CSA, cUL, etc.) in order to be eligible for an incentive.

\*Incentives will be determined solely from these applicable prescriptive worksheets up to a maximum of 40% of the energy efficient project cost.

**\$0**

Name of Applicant: \_\_\_\_\_

Name of Company: \_\_\_\_\_

[1] Qualifying list for High Performance T8 Lamps and Ballasts is available at <http://www.cee1.org/com/com-lt/com-lt-main.php3>

