

Indoor Networked Lighting Incentives Worksheet

January 1, 2025 - December 31, 2025

Document updated on January 2, 2025

Customer Name: _____

DIRECTIONS: Please save a copy of this form to your computer by selecting “File/Save As” before entering text and numbers. Then fill in your information electronically and select “Save.” Note that this form requires Adobe Reader® version 11.0 to function properly. Download the most recent version of Adobe Acrobat Reader DC® at <https://get.adobe.com/reader/>.

PLEASE NOTE: Values should be entered into the tables without punctuation or symbols (punctuation and symbols are generated by form field).

Pre-application is required; review instructions on the standard incentives application form. Wait for a reservation letter before starting your project. All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code.

ComEd Energy Efficiency Program offers networked lighting system incentives for intelligent lighting control systems that optimize the performance of a network of efficient light fixtures and sensors. Networked lighting systems have two components:

- High-efficiency fixtures and sensors tied to a central control system.
- A central control system that can be accessed from a central computer or mobile device that can control all nodes/ fixtures without the need to move around, show real-time status of the lighting system and generate detailed reports about the system’s performance. Control strategies such as occupancy sensors, dimming and zone control are selected by the user and programmed into the control system.

Lamp and ballast photographs will be required for certain fixture types and must be submitted with the pre-application. See the Default Fixture Wattage Reference Table on page 8 for specific fixture types. For example, photographs, see page 11.

Submit DLC ‘Product ID’ for all fixtures claimed for this incentive. Follow this link for DLC website: [DLC Qualified Products Lists - DesignLights](#). Lamp stamp and ballast photos will be required for fixture wattages not listed in Default Wattage Table on page 8. Lamp stamp photos are required for all fixture types listed in bold and single asterisk in the Default Wattage Table. Lamp stamp and ballast photos are required for all fixture types listed in bold and double asterisk in the Default Wattage Table. Screenshots of control strategies implemented are required during final application (Refer to page 4 for control strategies).

Networked lighting system incentives may be used to replace an existing non-networked lighting system or to install a new system where none exists. Incentives also are available for customers that wish to install an intelligent control system for use with existing fixtures.

Networked Lighting System With New, High-Efficiency Fixtures and Control System

To receive the incentives, the following requirements must be met, in addition to all measure-specific specifications:

1. Incentives are applicable only to new high-efficiency LED fixtures which must meet the specifications below.
2. Applicable IECC lighting power densities should be used to determine baseline conditions for projects where there is no existing lighting system.

To be eligible, lights must be operating for a minimum of 2,000 hours per year. Lights used below this threshold may still receive an incentive using the **Indoor Lighting Worksheet**.

Section 1

LED Fixtures and Retrofits

\$1.00 per watt reduced

Installation of a new lighting system containing LED fixtures, or a retrofit lighting system containing LEDs.

Specifications and Eligible Equipment:

1. Fixtures must be installed with a control system that meets the specifications listed on page 4 or 6 in the worksheet to be eligible for this incentive.
2. Manufacturer's specifications for new fixtures must accompany pre-application and final applications.
3. Fixtures must be on the DesignLights™ Consortium (DLC) Qualified Products List Solid State Lighting (SSL) version 5.1 available at **designlights.org/qpl**
4. This measure does not apply to channel signs, open signs, LED screw-based replacement for HID lamps or refrigerated display case lighting. Linear TLEDs type A (ballast driven) and type B (ballast bypass/internal driver/direct wire) and trim kits/downlights are not eligible for standard incentives but may be eligible for instant discounts when purchased from a participating distributor. Contact a distributor to check product eligibility; visit **ComEd.com/BizLights** for details.
5. LED system replacements are eligible, but the existing LED fixtures must be greater than 5 years old. If your project is an LED-to-LED replacement, is the existing fixture greater than 5 years old?

Select one: (☐ Yes ☐ No)

If your project is an LED-to-LED replacement, existing model and wattage must be documented with lamp stamps, spec sheets, or invoices.

6. Fixtures with any field adjustable capability will be evaluated at the highest nameplate wattage for incentives.

Section 1: Watt Reduction Worksheet for New LED Fixtures and Retrofits Replacing an Existing Lighting System

Use this worksheet to calculate the incentives. (See example below)

Room/ Location of Equipment to be Replaced	Type of Equipment to be Replaced	Quantity of Equipment to be Replaced	Wattage of Equipment to be Replaced	DLC Product ID for New Fixture	Type of New Fixture to be Installed (Model Number)	Quantity of New Equipment	DLC Reported Wattage of New Equipment	Difference (Old Wattage Minus New)
Example: Break Room	2-lamp 4-ft T12 34W U-Lamps	100	72	S-5P5H4D	KT- RKIT35PS- 14PD-8CSA- VDIM /G2	120	35	3,000
								0
								0
								0
								0
								0
								0
								0
								0
								0
								0
								0
								0
								0
Total Wattage Reduction								0
LED Fixtures and Retrofits (Per Watt Reduced)								1.00
Incentive Subtotal								\$ 0.00

Section 2

New Networked Lighting Control System Replacing Existing, Non-Networked Controls

\$0.40 per watt controlled

1. Installation of a new networked lighting control system replacing existing, non-networked controls with new or existing fixtures that meet applicable fixture specifications. Networked Controls replacing existing networked controls are not eligible for this incentive. Control system must apply at least two control strategies.
2. The control system must be on Design Lights Consortium (DLC) Network lighting control qualified (NLC) product list version 5.0 available at designlights.org/qpl.

Specifications and Eligible Equipment:

1. Manufacturer's specifications must accompany the standard incentives application form. This includes spec sheets of the control system with DLC-NLC listing, sensors, gateways, relays, and fixtures.
2. The control system must be new and meet the following criteria:
 - a. System must control new [DLC-SSL 5.1] or existing [DLC-SSL 5.0 or 5.1] LED fixtures that meet the applicable specifications set forth in Section 1 - LED Fixtures and Retrofits on this worksheet
 - b. System must have a graphical user interface that is accessible from a single central computer and/or mobile device without the need to move around to access separate fixtures. Screen shots of control system interface for all implemented strategies required at final application
 - c. System must have network interoperability (e.g., BACNet MS/TP, Zigbee, etc.)
 - d. System must have the ability to show the "real-time" status of the light fixtures (e.g., on/off, dimmed, etc.)
 - e. All installed sensors must be tied to the central control system
3. The installed control system must apply at least two new control strategies. Any baseline control strategies must also be implemented with the installed control system, but do not count towards the two required strategies. The following is a list of suggested control strategies.

Please check all control strategies being implemented. A minimum of two new control strategies are required.

- ☐ Occupancy sensors with timeout setting controls - Occupancy sensors are installed using passive infrared and/or ultrasonic technology. Sensors should have adjustable timeout settings.
- ☐ Dimming (continuous or minimum 100+ steps) - Fixtures dimmed to light levels less than 70%. Dimming settings are managed by the central control system.
- ☐ Daylight harvesting - Photocells are installed to control interior fixtures; sensors should assess amount of ambient light and adjust fixtures to meet facility illumination requirements.
- ☐ Zone control - At least two (2) zones in a facility with different profiles.
- ☐ Scheduling - Lighting is managed based on shifts, operating hours, seasonal changes, event scheduling, etc.
- ☐ High-end trimming - Setting a maximum light allowance at less than 100 percent light output.
- ☐ User set preference/occupant profiles.
- ☐ Other (specify): _____

Please complete the watts controlled worksheet for new control system on the following page. If you need more room than what is available, you may attach a separate sheet.

Section 2: Watts Controlled Worksheet for New Networked Lighting Control System Replacing Existing Controls

Room/Location of Equipment to be Replaced	Fixture Model Number	(A) Number of Fixtures	(B) Watts Per Fixture	(AxB) Watts Controlled
Example: Break Room	KT-RKIT35PS-14PD-8CSA-VDIM /G2	120	35	4,200
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
Total Watts Controlled				0
Section 2 Incentive Subtotal at \$0.40/Watt Controlled				\$ 0.00

Section 3

New Networked Lighting Control System With No Existing Controls

\$0.50 per watt controlled

1. Installation of a new networked lighting control system on new or existing fixtures that previously had no lighting controls installed and that meet applicable fixture specifications. Control system must apply at least two control strategies.
2. The control system must be on Design Lights Consortium (DLC) Network lighting control (NLC) qualified product list version 5.0 available at designlights.org/qpl.

Specifications and Eligible Equipment:

1. Manufacturer's specifications must accompany the standard incentives application form. This includes spec sheets of the control system with DLC-NLC listing, sensors, gateways, relays, and fixtures.
2. The control system must be new and meet the following criteria:
 - a. System must control new [DLC-SSL 5.1] or existing [DLC-SSL 5.0 or 5.1] LED fixtures that meet the applicable specifications set forth in Section 1 - LED Fixtures and Retrofits on this worksheet
 - b. System must have a graphical user interface that is accessible from a single central computer and/or mobile device without the need to move around to access separate fixtures. Screen shots of control system interface for all implemented strategies required at final application
 - c. System must have network interoperability (e.g., BACNet MS/TP, Zigbee, etc.)
 - d. System must have the ability to show the "real-time" status of the light fixtures (e.g., on/off, dimmed, etc.)
 - e. All installed sensors must be tied to the central control system
3. The installed control system must apply at least two control strategies. The following is a list of suggested control strategies.

Please check all control strategies being implemented. A minimum of two new control strategies are required.

- ☐ Occupancy sensors with timeout setting controls - Occupancy sensors are installed using passive infrared and/or ultrasonic technology. Sensors should have adjustable timeout settings.
- ☐ Dimming (continuous or minimum 100+ steps) - Fixtures dimmed to light levels less than 70%. Dimming settings are managed by the central control system.
- ☐ Daylight harvesting - Photocells are installed to control interior fixtures; sensors should assess amount of ambient light and adjust fixtures to meet facility illumination requirements.
- ☐ Zone control - At least two (2) zones in a facility with different profiles.
- ☐ Scheduling - Lighting is managed based on shifts, operating hours, seasonal changes, event scheduling, etc.
- ☐ High-end trimming - Setting a maximum light allowance at less than 100 percent light output.
- ☐ User set preference/occupant profiles.
- ☐ Other (specify): _____

Please complete the watts controlled worksheet for new control system on the following page. If you need more room than what is available, you may attach a separate sheet.

Section 3: Watts Controlled Worksheet for New Networked Lighting Control System With No Existing Controls

Room/Location of Equipment to be Replaced	Fixture Model Number	(A) Number of Fixtures	(B) Watts Per Fixture	(AxB) Watts Controlled
Example: Break Room	KT-RKIT35PS-14PD-8CSA-VDIM /G2	120	35	4,200
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
Total Watts Controlled				0
Section 3 Incentive Subtotal at \$0.50/Watt Controlled				\$ 0.00

Grand Total Incentive Requested
\$ 0.00

Incentive cannot exceed 90% of the incremental measure cost and 90% of the total project cost and must meet all program terms and conditions.

Default Fixture Wattage Reference Table

This table is to be used as a reference for determining the wattage of baseline (existing) fixtures. Wattages for all new (proposed) fixtures should be referenced from the new product specifications.

There are many factors that affect the input wattage of a fixture: ballast factor, lamp quality, system voltage, etc. The more information that is provided about your project, the more accurate the incentive and energy savings calculations can be. If there is any doubt as to which fixture type is correct, the conservative wattage will be used. To ensure that the wattages used in incentive calculations are as accurate as possible, **pictures are required for all of the fixture types listed below in bold or with an asterisk(*)**. NOTE: A single asterisk indicates a photo of a lamp stamp is required. A double asterisk indicates both a lamp stamp and a photo of the ballast is required.

This table is made up of the most common fixtures but does not include all fixture types. T12 fixtures are listed with energy-saving (ES) magnetic ballasts and standard magnetic ballasts. If a fixture type is not listed on this table, it does not necessarily mean that the fixture is not eligible for an incentive. Please visit ComEd.com/BizIncentives or call us at **855-433-2700** if you have any questions.

When referencing the wattage for a specific fixture type, locate the corresponding table for the baseline Lamp (T8, T12 etc.) and row for the Number of Lamps Per Fixture and the appropriate Lamp type category (e.g., 4-Ft 40W Lamp(s) with Standard Magnetic Ballast).

Use the wattage values provided to estimate baseline consumption.

Example reference: "For a fixture with 2 T12 lamps of 4-Ft 40W using a standard magnetic ballast, the baseline wattage is 94 watts, as shown in the first table for T12's."

T12

Number of Lamps Per Fixture	2-Ft 20W Lamps	3-Ft 30W Lamps	4-Ft 34W U-Lamps	4-Ft 40W U-Lamp(s) with ES Magnetic Ballasts (Standard Magnetic Ballasts)	4-Ft 34W Lamp(s) with ES Magnetic Ballast	4-Ft 34W Lamp(s) with Standard Magnetic Ballast	4-Ft 40W Lamp(s) with ES Magnetic Ballast	4-Ft 40W Lamp(s) with Standard Magnetic Ballast
1	28	37	43		42	50**	48*	57**
2	56	74	72	85* (96**)	67	80**	82*	94**
3	84	120	115		104	130**	122*	147**
4	112	148			144	160**	164*	182**
6	168				216	236**	258*	282**
8					288			

T12 8-Ft

Number of Lamps Per Fixture	60W Lamp(s) with ES Magnetic Ballast	60W Lamp(s) with Standard Magnetic Ballast	75W Lamp(s) with ES Magnetic Ballast	75W Lamp(s) with Standard Magnetic Ballast	HO 95W Lamp(s) with ES Magnetic Ballast (Standard)	HO 110W Lamp(s) with ES Magnetic Ballast (Standard)	VHO 185W Lamp(s) with Magnetic Ballast	T12 VHO 215W Lamp(s) with Magnetic Ballast
1	61	83	91*	100**	125* (125**)	132* (145**)	200*	230*
2	123	138	158*	173**	207* (227**)	237* (257**)	390*	450*
3	210	221		273**	319* (352**)	369* (392**)	590*	680*
4	246	276	316*	346**	414* (454**)	474* (514**)	780*	900*

T8

Number of Lamps Per Fixture	2-Ft 17W Lamps	3-Ft 25W Lamps	4-Ft 32W U-Lamps	4-Ft RW 25W Lamp(s)	4-FT RW 28W Lamp(s)	4-Ft 32W Lamp(s) (HO)	8-Ft 59W Lamp(s)	8-Ft HO 86W Lamp(s)
1	15	22	28	22	25	32	62	85*
2	30	44	56	44	50	59	123	160*
3	45	66	84	66	74	88	185	
4	60	88		88	99	114	246	320*
5						148		
6		132		132		175 (221W**)	328	
8						224 (294W**)		

T5

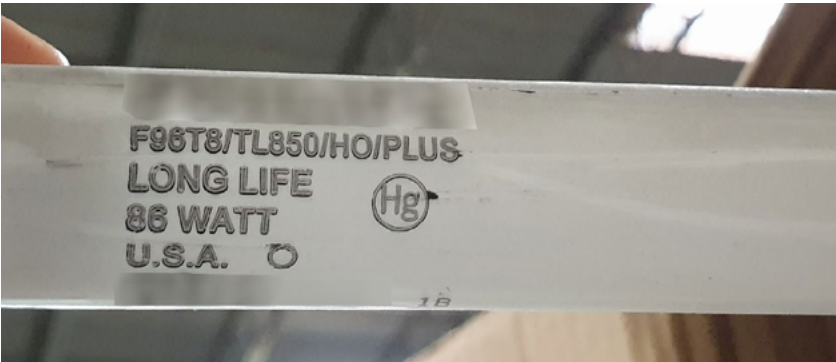
Number of Lamps Per Fixture	2-Ft 14W Lamps	2-Ft 24W HO Lamps	4-Ft 28W Lamps	4-Ft 54W HO Lamp(s)
1	18	29*	32	59*
2	35	55*	64	120*
3			96	180*
4			128	240*
6			192	360*
8			256	468*

HID

Nominal Watts	Pulse Start Metal Halide	Metal Halide	Mercury Vapor	HPS
50		72	74	66
70		95		95
75			93	
100		114*	125	138
150		190		188
175	199	215	205	
200	232			250
250	284	295	290	295
310				365
350	398			
400	455	455	455	465
450	506*			
700			780*	
750	815*	850*		835*
1000	1080*	1080*	1075*	1100*
1500		1610*		

Example Photographs

Lamp Stamp



Standard Magnetic Ballast



Energy Saver Ballast

