

INCENTIVE CATALOG FOR *lighting*

Effective March 15, 2024

Pacific Power provides incentives for many types of energy-efficient technologies. Please read the following sections carefully to ensure you follow the appropriate steps for securing your incentive. Equipment must be permanently installed and may be subject to inspection prior to incentive approval.

Incentives for additional measures may be available. For more information about the Wattsmart Business program, eligibility requirements, incentive levels or other general inquiries, contact a [Wattsmart Business Vendor](#) or Pacific Power. You can visit the program website at [BeWattsmart.com](#), email wattsmartbusiness@pacificpower.net, or you can call our energy services hotline at **1-855-805-7231**.

LIGHTING SYSTEM RETROFITS

Measure description: Lighting retrofit projects are one of the most common and effective energy efficiency opportunities available to commercial and industrial customers.

Applicability: Changes, modifications, or additions to lighting systems or equipment in existing square footage.

Retrofit lighting projects generally do not significantly alter lighting system layouts or light levels. Lighting system redesign that significantly alters system layouts and/or light levels or is driven by changes to space use, space occupancy or occupant requirements may not be eligible for retrofit lighting incentives. For information on other lighting project types, please refer to the “New construction/Major Renovation High-efficiency Lighting” section. Please contact us for any questions regarding retrofit lighting eligibility.

It is expected that retrofitted lighting systems meet industry standards applicable to the space(s) and use type(s) associated with the project.

Equipment eligibility: Pacific Power offers incentives for new, unused, qualifying lighting equipment and lighting controls. To be eligible for the incentives listed in Table 1 and Table 2, an incentive offer must be issued on or after January 1, 2024.

Lighting System Retrofits: To be eligible for the incentives listed in Table 1 and Table 2, the new lighting system must use less energy than the existing/baseline lighting system. Lighting equipment must be installed after receiving an incentive offer and meet all other program terms and conditions. Eligible lighting upgrade types are defined below:

Lighting Systems - Lighting Components

Full Fixture Replacements: Full fixture replacements are a lighting system upgrade where the entire existing fixture, including lamps, reflectors, ballasts/drivers, housing, etc., are removed and new fixtures are installed. To be eligible for program incentives, full fixtures must be listed on one of the following Qualified Product Lists (QPL):

- Luminaires listed under the DesignLights Consortium (DLC) Luminaire table, both indoor and outdoor.
- Luminaires listed on the ENERGY STAR[®] fixture list except for the “Recessed Downlight” category.

Fixture Retrofit Kits: Fixture retrofit kits are a lighting system upgrade that keeps existing fixture housing and modifies fixture components to incorporate new lighting equipment. Fixture retrofit kits shall be listed on the DesignLights Consortium (DLC) Qualified Products List (QPL)

- Fixture retrofit kits shall have a DLC primary use designation as a fixture retrofit kit for interior or exterior applications.

Replacement Lamps: Replacement lamps are lighting system upgrades that keep existing fixtures in place and replace only the lamp and/or lamp operating components such as ballasts or drivers. Replacement lamps installed as part of lighting system upgrade are eligible for incentives as listed in Table 1 “Lamp Replacement”. Lighting system upgrade projects require pre-approval. Select Replacement Lamps in Table 2 are eligible through the post-purchase option.

Lighting Systems - Interior Controls

Basic Controls: Basic lighting controls use one or two control strategies to reduce lighting levels when appropriate. Eligible basic lighting controls include:

- Integral, wall mounted, or ceiling-mounted occupancy controls (PIR, Dual Tech, Microwave)
- Daylighting controls (must control interior fixtures with continuous, stepped or bi-level ballast, or automated control that reduces fixture output by 50 percent or more in response to daylight)
- Occupancy/daylighting combination controls (must incorporate both an occupancy sensor and daylighting sensor operating as part of the same control sequence in the same interior space)

Daylighting and Occupancy/Daylighting Combination controls are eligible for incentives only within daylighting zones. Daylighting zones are determined as described in the applicable Washington State Energy Code.

Advanced Controls: Advanced Networked Lighting Control (ANLC) systems are a combination of sensors, network interfaces, and controllers that affect lighting changes to luminaires, but do not include the luminaires themselves. Additional information is listed in the Qualified Lighting Equipment Policy section on page 9.

To qualify for an incentive, ANLC must be listed on the DesignLights Consortium’s (DLC’s) Networked Lighting Controls Qualified Products Lists, be continuously dimming, use an app or computer program to control fixtures, and meet either one of the following criteria

- Luminaire Level Lighting Control (LLLC) Systems must be implemented with at least two energy saving strategies with at least one sensor based option. Examples may include:
 - Sensor based:
 - Occupancy based control
 - Daylight / Ambient Light Harvesting – photocell control with continuous dimming
 - Tuning based:
 - High End Trim/Institutional Tuning - may not be combined with photocell controls outside of a daylighting zone
 - Personal Tuning – with continuous dimming
 - Advanced Scheduling - changes to light levels and/or sensor timeouts based on time of day
- Zonal or Area ANLC systems will require a minimum of three control strategies. (Example: 2 sensor based + 1 tuning based OR 1 sensor based + 2 tuning based.) The controlled group of fixtures should be as small as possible to align as close as possible with the savings from LLLC systems.

Lighting Systems - Exterior Controls

Exterior dimming controls create energy savings in exterior LED lighting systems by dimming lights when full light is not needed (unoccupied or non-business hours).

Advanced Dimming:

- Control must be integral to the LED fixture or be fixture-mounted
- Must dim
- Control can be occupancy or schedule based
- Must result in a minimum 35% energy savings. Examples may include, but not limited to:
 - Reducing fixture power by 70% or more for a minimum of 6 hours per night
 - Reducing fixture power by 75% or more when the area has been unoccupied for 15 minutes or less
- Networking is NOT required

Pre-qualification required? Yes. Contact a participating vendor or Pacific Power to get started. A pre-installation inspection of existing lighting may be required.

Note: Pacific Power has a lighting calculation software tool for Retrofit projects. It is available for Wattsmart Business Vendors to calculate project-specific energy savings, project economics, and eligible incentives for retrofit projects. Visit our website at BeWattsmart.com for a current list of participating Wattsmart Business Vendors. Contact a [participating vendor](#) or Pacific Power for next steps.

To apply for an incentive offer, please provide the following

1. A signed and completed [General Application](#) and [IRS Form W-9](#)
 - » Submit online through the [Incentive Center](#)
2. A completed lighting calculation worksheet from the software tool
3. Qualified product list documentation if applicable

Items to submit prior to incentive payment: In addition to the items required for the project pre-approval, invoices with itemized labor and materials are required to be submitted before incentive payment will be made. An inspection of the installed equipment may be required prior to incentive payment.

Information on lamp and ballast recycling: Fluorescent and High-Intensity Discharge (HID) lighting contains trace amounts of mercury and other toxic materials. Lamps and ballasts should always be disposed of properly in accordance with state and federal regulations. Please consult with the Washington Department of Ecology for information on recycling lamps and ballasts. Information on collection programs or recyclers can be found on the Hazardous Waste & Toxics Reduction Program website. [Lights & lamps - Washington State Department of Ecology](#)

TABLE I. RETROFIT LIGHTING EFFICIENCY REQUIREMENTS & INCENTIVE LEVELS				
Measure	Category	Eligibility Requirements		Customer Incentive
Lighting System Retrofits	Interior Lighting	Full Fixture Replacement	With upgrade to Advanced Controls	\$0.46/kWh
			With upgrade to Basic Controls	\$0.38/kWh
			Without controls upgrade	\$0.35/kWh
		Fixture Retrofit Kits	With controls upgrade to Basic or Advanced Networked Lighting Controls	\$0.35/kWh
			Without controls upgrade	\$0.28/kWh
		Lamp Replacement	TLED Lamp	\$0.10/kWh
			Other Lamp-only Replacements	See Table 2
		Controls-only Retrofit	Controls-only upgrade to Advanced Networked Lighting Controls	\$0.46/kWh
			Controls-only upgrade to Basic Controls	\$0.35/kWh
		Exterior Lighting	Full Fixture Replacement (except Street Lighting)	With upgrade to Advanced Dimming Controls
	Without Controls			\$0.12/kWh
	Fixture Retrofit Kits (except Street Lighting)		With upgrade to Advanced Dimming Controls	\$0.14/kWh
			Without Controls	\$0.11/kWh
	Lamp Replacement (except Street Lighting)		Lamp-only Replacements	See Table 2
	Street Lighting		With upgrade to Advanced Dimming Controls	\$0.12/kWh
			Without controls upgrade	\$0.09/kWh
	Controls-only Retrofit	Controls-only upgrade to Advanced Dimming Controls	\$0.14/kWh	
	Non-General Illuminance	LED Case Lighting – Refrigerated Case	LED replacing fluorescent lamp in existing refrigerated cases. LED must be listed on qualified equipment list.	\$14/linear foot
		LED Case Lighting – Freezer Case	LED replacing fluorescent lamp in existing refrigerated cases. LED must be listed on qualified equipment list.	\$14/linear foot
		Refrigerated Case Occupancy Sensor	Installed in existing refrigerated case with LED lighting	\$1.50/linear foot
	Controlled Environment Agriculture (CEA)	Full Fixture Replacement	With or without controls upgrade	\$0.22/kWh
			TLED Lamp With or without controls upgrade	\$0.10/kWh
		Lamp Replacement	Other Lamp-only Replacements with or without controls upgrade	See Table 2
Custom Lighting	Custom	Not listed above.	\$0.13/kWh	

Notes for Table I:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by Pacific Power. To be eligible for an incentive for a system with controls, the new controls must save energy relative to existing controls.
2. Incentives are capped at 70 percent of Energy Efficiency Project Costs and will not be available to reduce the Energy Efficiency Project simple payback below one year. Incentives for replacement lamps installed as part of a lighting system upgrade are capped at 70 percent of Energy Efficiency Project Costs. The equipment level caps noted in the "Replacement Lamps" section are not applicable to lighting system upgrade projects. Energy Efficiency Project costs are subject to Pacific Power approval.
3. Incentives listed as \$/kWh are paid per kWh annual energy savings as determined by Pacific Power.
4. Qualified eligible retrofit lighting equipment is defined in qualified equipment lists posted in the "Qualified Lighting Equipment Policy" section of this catalog.
5. Calculated lighting incentives will be the product of multiplying Pacific Power's estimate of annual energy savings by the incentive/kWh rate listed above. Energy savings are subject to approval and incentives will be offered at Pacific Power's sole option. Energy Efficiency Project costs are subject to Pacific Power approval.
6. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the "Ineligible Lighting Technologies" and "Ineligible Lighting Products" sections at the end of this catalog.
7. Exterior fixtures are by default considered dusk to dawn. Any other operating schedule must be documented and verified.

REPLACEMENT LAMPS

Measure description: Replacement lamps are lighting system upgrades that keep existing fixtures in place and replace only the lamp and/or lamp operating components, such as ballasts or drivers. Replacement lamps present significant savings potential and are one of the most common and effective energy conservation opportunities available to commercial and industrial customers. Examples of replacement lamps include Tubular LEDs and LED HID replacements (screw-in). Eligible replacement lamps are listed in Table 2.

Equipment eligibility: Pacific Power offers incentives for qualifying installations of replacement lamps. Replacement lamps listed below are eligible for Lighting Instant Incentives on products purchased on or after January 1, 2024. Eligible customers may receive incentives for qualified replacement lamps through a point of purchase incentive by purchasing from approved distributors or by submitting a lighting post-purchase application. Replacement lamps that are part of a lighting retrofit project can be included in the lighting calculator software tool. Please see the “Lighting System Retrofit” section above for additional details, requirements, and incentives. To qualify for the incentives listed below, equipment must be purchased on or after January 1, 2024, for installation at a qualifying site and meet all other program terms and conditions. Replacement lamps must be listed on an approved qualified products list. See the “Qualified Lighting Equipment Policy” section of this catalog.

Visit our website at BeWattsmart.com for replacement lamp instant incentive participation details or contact a [participating distributor](#) to get started.

Prequalification required? Prequalification is recommended for replacement lamps but is not required for purchases of up to 350 lamps when participating in the instant incentive process (purchasing from an approved distributor) or through the post-purchase application process. For projects exceeding 350 lamps installed or if replacement lamps are installed as part of a lighting system retrofit, pre-qualification is required. Please see the “Lighting System Retrofit” section above for additional details and requirements.

To apply via the post-purchase option, please provide the following.

1. **A signed and completed copy of the [General Application](#) and [IRS Form W-9](#).**
 - » **Submit online through the [Incentive Center](#)**
2. **A copy of the completed [Lighting Instant Incentives – Post-Purchase application supplement](#).**
3. **All other documentation as requested in the application supplement.**

TABLE 2. REPLACEMENT LAMP INCENTIVES - EQUIPMENT MUST BE ON QUALIFIED EQUIPMENT LIST

Measure Type	Measure	Category	Incentive*
LED	PLC/PLL Pin-based Lamp	PLC Pin-based Lamp < 10W	\$5
		PLC Pin-based Lamp ≥ 10W	\$6
		PLL Pin-based Lamp	\$6
	2FT T8 TLED	Type B	\$1.5
		Type C	\$1.5
	4FT T8 TLED	Type A/B Dual Mode	\$3
		Type C	\$3
	8FT T8 TLED	Type B	\$1.5
		Type C	\$1.5
	8FT T8 HO TLED	Type A/B Dual Mode	\$2
		Type B	\$2
		Type C	\$2
	4FT T5 TLED	T5 TLED Lamp	\$4.5
		T5 HO TLED Lamp	\$2.5
	HID Replacement Lamp	HID Replacement Lamp < 40W	\$17
		HID Replacement Lamp ≥ 40 W < 70 W	\$35
		HID Replacement Lamp ≥ 70 W < 140 W	
HID Replacement Lamp ≥ 140W			

*Wattsmart Business incentives are capped at 70% of qualifying equipment costs. Qualifying equipment costs are subject to Pacific Power approval.

1. Qualified equipment lists referenced in Table 2 are posted in the “Qualified Equipment Lists Policy” section of this catalog.
2. Equipment abbreviations:
 - HID = High Intensity Discharge (e.g. high pressure sodium, metal halide)
 - HO = High Output
 - PLL = Pin Lamp Long Compact Fluorescent
 - PLC = Pin Lamp Compact Fluorescent
 - TLED = Tubular Light Emitting Diode
 - W = Watt
3. Product must be certified by the DesignLights Consortium (DLC).

LED SIGNAGE (NON-GENERAL ILLUMINANCE) (RETROFIT ONLY)

Measure description: Incentives for non-general illuminance are available for signage using LED technology. Incentives are available for three types of LED signs: LED Message Center Sign, LED Channel Letter Sign and LED Marquee/Cabinet Sign. Incentives for LED traffic light and LED Exit Sign installations are not available.

- **Message Center Signs** display text and are commonly found on storefronts, restaurants and arenas.
- **Channel Letters** are individually illuminated letters and graphics that are typically found on storefronts.
- **Marquee/Cabinet Signs** illuminate translucent signs from within.

Equipment eligibility: Only retrofit projects may be eligible for incentives. Custom incentives are still available for message center signs, channel letter signs, and marquee/cabinet signs through the pre-approval process. LED products must be certified by a Nationally Recognized Testing Laboratory (NRTL). It is the customer’s responsibility to ensure that the LED products selected have received the appropriate safety certifications. Please see the program requirements listed in the “Lighting System Retrofit” section at the beginning of this catalog.

Pre-qualification required? Yes. **Contact a participating vendor or Pacific Power to get started. A pre-installation inspection of existing lighting may be required.**

LED REFRIGERATED CASE LIGHTING AND CONTROLS (RETROFIT ONLY)

Measure description: Fixtures within refrigerated reach-in display cases used to display refrigerated products. Replacing existing fluorescent lighting with energy-efficient LED light bars reduces total lighting wattage and heat gain in the refrigerated space.

Applicability: Only retrofit projects may be eligible for incentives. Please see the program requirements and incentives listed in the “Lighting System Retrofit” section at the beginning of this catalog. LED refrigerated case lighting replacing LED bulbs may be eligible for the Custom incentive in Table 1.

Pre-qualification required? No. To apply via the post-purchase option, please submit a signed and completed copy of the General Application and the Case Lighting and Occupancy Sensor [application supplement](#).

NEW CONSTRUCTION/MAJOR RENOVATION HIGH-EFFICIENCY LIGHTING

Measure description: Installing high-efficiency lighting equipment during construction can be a cost-effective means of saving electricity.

Applicability:

New Construction: A newly constructed facility or newly constructed square footage added to an existing facility.

Major Renovation: A change in facility use type or where the existing system will not meet owner/customer projected requirements within existing facility square footage.

It is expected that new construction or major renovation lighting systems meet industry standards that are applicable to the space(s) and use type(s) associated with the project.

Interior equipment eligibility: In order to qualify for incentives, the new construction/major renovation project must be completed and meet all other program terms and conditions as listed in New Construction and Major Renovation Lighting Incentives Table.

For new construction and major renovation projects, LED products that exceed industry standard must be used. For that purpose, the use of DLC Premium designated products must be installed in order to qualify for incentives. Lighting controls required by energy code are not eligible for incentives.

Applicable Energy Code: The version of the energy code that applies for a given project is based on the building permit date or first invoice date. If a building permit date or invoice date is not provided, the applicable energy code for the project will be the current code.

Pre-qualification required? Incentives for new construction/major renovation lighting upgrades are available via a post-purchase incentive application process. Pre-qualification is recommended but not required to receive incentives. Installed equipment may be subject to inspection prior to incentive payment.

Note: Pacific Power has a lighting calculation software tool for new construction/major renovation projects. It is available for Wattsmart Business Vendors to calculate project energy savings, project economics, and eligible incentives for new construction/major renovation projects. Visit our website at BeWattsmart.com for a current list of participating Wattsmart Business Vendors. Contact a [participating vendor](#) or Pacific Power for next steps.

To apply for a new construction or major renovation lighting incentive offer, please provide the following:

1. A signed and completed copy of the [General Application](#) and [IRS Form W-9](#).
 - » Submit online through the [Incentive Center](#)
2. A [New Construction/Major Renovation supplement application](#).
3. **Qualified product listings (QPLs), which must show DesignLights Consortium (DLC) Premium listing status for interior lighting fixtures.**
4. **Copies of the Smart Requirements Lists and the Smart Forms generated from the [WSEC Webtool](#) to demonstrate that lighting exceeds code.**
5. **Proof of commissioning may be needed for projects with Advanced Networked Lighting Controls.**

Measure	Category	Eligibility Requirements	Customer Incentive
Interior Lighting	Troffer	Product must be listed on DLC qualified equipment list and premium category requirements.	\$14/Fixture
	Linear Ambient		\$14/Fixture
	High Bay		\$30/Fixture
	Other Fixture (not listed above)	Product must be installed in facilities where energy code applies.	\$0.74/Fixture Wattage
	Advanced Networked Lighting Controls	Product must be listed on DLC qualified equipment list. Product must be installed in facilities where energy code applies.	\$1.20/W Controlled
	Custom Interior Lighting	Product must be installed in facilities where energy code does not apply.	\$0.10/kWh annual energy savings
Controlled Environmental Agriculture (CEA)	LED Fixture	Product must be listed on DLC Horticultural Lighting qualified equipment list.	\$0.12/kWh annual energy savings

Notes for New Construction and Major Renovation Interior Lighting Incentives Table:

1. Interior lighting fixtures must meet DesignLights Consortium Premium category requirements and must be found on the Qualified Products List. See the "Qualified Lighting Equipment Policy" section of this catalog.
2. Lighting equipment installed to comply with the applicable version of the state energy code, but not exceeding that code, is not eligible for incentives. Lighting equipment that exceeds the applicable version of the state energy code is eligible for incentives.
3. Project Cost Caps of 70 percent and one-year Simple Payback Caps apply to New Construction and Major Renovation projects that are not subject to state energy code. The one-year simple payback cap means incentives will not be available to reduce the simple payback of a project below one year. If required, individual measure incentives will be adjusted downward pro-rata so the project has a simple payback of one year after incentives.
4. Energy efficiency project costs are subject to Pacific Power approval. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the "Qualified Lighting Equipment Policy" section of this catalog.
5. Energy savings for custom lighting projects are subject to Pacific Power approval.

NEW CONSTRUCTION/MAJOR RENOVATION HIGH-EFFICIENCY LIGHTING (CONTINUED)

WASHINGTON STATE ENERGY CODE 2018¹ AND 2021² MAXIMUM LIGHTING POWER DENSITIES (LPD, WATTS/FT) TABLE		
Building Area Type	Table C405.4.2 LPD For major renovation projects	Section C406.2.3.2³ LPD requirements For new construction projects
Automotive facility	0.64	0.51
Convention center	0.64	0.51
Courthouse	0.79	0.63
Dining: bar lounge/leisure	0.79	0.63
Dining: cafeteria/fast food	0.72	0.58
Dining: family	0.71	0.57
Dormitory	0.46	0.37
Exercise center	0.67	0.54
Fire station	0.54	0.43
Gymnasium	0.75	0.60
Health care clinic	0.70	0.56
Hospital	0.84	0.67
Hotel/motel	0.56	0.45
Library	0.83	0.66
Manufacturing facility	0.82	0.66
Motion picture theater	0.44	0.35
Multifamily	0.41	0.33
Museum	0.55	0.44
Office	0.64	0.51
Parking garage	0.14	0.11
Penitentiary	0.65	0.52
Performing arts theater	0.84	0.67
Police station	0.66	0.53
Post office	0.65	0.52
Religious building	0.67	0.54
Retail	0.84	0.67
School/university	0.70	0.56
Sports arena	0.62	0.50
Town hall	0.69	0.55
Transportation	0.50	0.40
Warehouse	0.40	0.32
Workshop	0.91	0.73

1. Washington State Energy Code 2018 effective February 1, 2021.
2. Washington State Energy Code 2021 effective March 15, 2024.
3. LPD requirements for new construction projects is section C406.3.2 of the 2018 Washington State Energy code.

QUALIFIED LIGHTING EQUIPMENT POLICY

This policy applies to all lighting incentive eligibility as described in the Lighting Catalog and is effective January 1, 2024 for all projects with a valid Incentive Offer Letter or lighting incentive application. This policy supersedes all previous Wattsmart Business LED/Solid-state Lighting (SSL) qualification policies. For lighting technologies not specified below, nor listed in the “Ineligible Lighting Technologies” section, qualified product listings are not required.

General Illuminance Lighting

To qualify for incentives, any **general illuminance** product submitted for an incentive must meet the requirements as listed below.

General illuminance lighting is defined below:

- **Interior:** All lighting equipment contributing to the lighting power density (LPD) of a space falls into the general illuminance category. All LED/SSL equipment contributing to LPD must be on one of the qualifying lists to be eligible for incentives. Low-voltage LEDs must be listed on one of the qualifying lists.
- **Exterior:** All lighting on the exterior of a building that contributes illuminance for safety, security, or function of a building and associated exterior space is also considered to be in the general illuminance category. All LED/SSL equipment used for exterior illumination must be on one of the qualifying lists to be eligible for incentives.

LED/SSL Products

To qualify for incentives, any **general illuminance** LED/SSL product submitted for an incentive must be listed on *at least one* of the Qualified Fixture List options below. Interior New Construction/Major Renovation Lighting fixtures and controls must meet Option 2. Documentation of the LED/SSL listing must be included for each product type and project submitted. The product must be listed on the qualified list. Please note that products used in lighting applications outside of the listed category are subject to review and may not be eligible for incentives. It is the customer’s responsibility to ensure that the LED products selected have received the appropriate safety (NRTL) certifications.

Option 1: ENERGY STAR® certified fixtures and lamps list:

- www.energystar.gov
- The majority of products on the ENERGY STAR list are lamps or recessed can fixtures.

Option 2: DesignLights Consortium’s (DLC) Commercial Fixtures and Networked Lighting Controls qualified list:

- www.designlights.org
- The majority of products listed here are either fixtures or retrofit products (interior or exterior).
- It is recommended that DLC Premium fixtures are used for retrofit projects.
- To qualify for incentives for New Construction/Major Renovation interior lighting equipment, fixtures must be [DLC Premium](#) and controls must be listed on the [Lighting Controls](#) qualified products list.

The above lists are updated regularly. To access the current lists, or for information on how to get product qualified, please refer to each organization’s website.

Pacific Power does NOT endorse any of the LED products on the above lists. Pacific Power reserves the right to review and approve any LED product on a case-by-case basis. Pacific Power reserves the right to reject any product that is used outside of its DLC or ENERGY STAR approved category.

Advanced Networked Lighting Control Products

To qualify for incentives, Advanced Networked Lighting Controls must be listed on DesignLights Consortium's (DLC) Networked Lighting Controls list. Documentation of the Advanced Networked Lighting Controls listing must be included for each control system and project submitted. The product must be listed on the qualified list. Upon completion of the project, proof of commissioning may be required.

Advanced Networked Lighting Controls are required to individually address and network each luminaire and control device. See the Advanced Networked Lighting Control definition for details on control requirements and compliance strategies.

To meet program requirements, all fixtures using advanced networked lighting controls should incorporate Luminaire Level Lighting Controls (LLLCs). LLLCs allow for individual addressability and have occupancy and illuminance sensors integral to each individual fixture.

In some cases LLLCs may not be feasible or appropriate for the space. Lighting control systems that are networked and do not meet the DLC definition for LLLC may be considered ANLCs but must employ additional control strategies to compensate for the savings LLLCs would otherwise provide. For Zonal or Area non-LLLC systems, all components must be networked in order to qualify, including networked fixture controllers and networked sensors. When using area level sensors, the controlled group of fixtures should be as small as possible to most closely align with the savings possible by LLLC systems.

Advanced Networked Lighting Control Products Exceptions (subject to approval)

If the lighting control is NOT listed on [DLCs Networked Lighting Controls](#) list, please contact the manufacturer to obtain the certification or consider using a listed product. There are a few exceptions to this policy that are provided below. To be considered for an exception, control products must fit the descriptions below and the Participant must provide all the necessary documentation to be considered as an alternate means of product qualification.

Existing building automation/control systems

- Existing building automation systems that integrate with and control lighting systems may be considered as eligible advanced lighting controls. To be considered for an exception, building automation systems must comply with the DLC list of required system capabilities for Networked Lighting Controls (see list below). Documentation of each capability must be submitted to be considered for an exception.
 - » Networking of Luminaires and Devices
 - » Occupancy Sensing
 - » Daylight Harvesting / Photocell Control
 - » High-End Trim
 - » Zoning
 - » Luminaire and Device Addressability
 - » Continuous Dimming
- To be considered for an exception, building automation systems are required to individually address and network each luminaire and control device. Controls must actively employ at least two control strategies and enable each fixture (Luminaire Level Lighting Controls) to be programmed to achieve the desired settings and implement the control strategies.

Qualifying controls strategies include:

1. Occupancy Sensing
2. Daylight Harvesting / Photocell Control w/ continuous dimming
3. Tuning – Which can include any of the following
 - High-End Trimming (Institutional Tuning)
 - Personal Tuning w/ continuous dimming

Area Level Lighting Controllers

In certain situations, luminaire level lighting controls may not provide additional energy savings benefits as compared to area controls. Area controls meeting all other advanced control requirements may be eligible for advanced control incentives based on area characteristics, such as space square footage and total wattage controlled. Exceptions to luminaire level lighting control requirements will be considered on a space by space basis.

Alternative Control Strategies

Some control strategies not listed above may be allowed to be used in addition to, or as a replacement of, the listed qualifying control strategies. Alternative control strategies must provide equivalent or higher energy savings than the listed qualifying control strategies. Exceptions to qualifying control strategies will be considered on a project by project basis.

Instructions for requesting an exception

Participants requesting an exception should submit their product information to the Pacific Power project manager supporting the project or send an email to wattsmartbusiness@pacificpower.net. Include your customer name and location so the information can be tied to your project in process with us.

Trade allies (electrical contractors, manufacturers and distributors) requesting an exception should submit their product information to a Wattsmart Business Vendor Network (Network) coordinator.

Requests for exception will be accepted from active projects and projects in preliminary stages only. Completed projects are not eligible for an exception. Submittals containing mass quantities of product types will not be accepted.

Applications for an exception will be reviewed by a lighting specialist. A response will be provided within three (3) business days.

If a request for exception is approved, the response provided will include an acknowledgment that the product is eligible for incentives. A participant/trade ally may use the product in future projects, but must submit the product information and acknowledgment of the exception as part of the project information submitted for pre-approval.

If you have questions about the policy or what documentation is required, please contact your Outreach coordinator or contact us toll free at 1-855-805-7231 or send an email to wattsmartbusiness@pacificpower.net.

Non-General Illuminance Lighting

Lighting equipment that does not meet the definition of general illuminance lighting, is considered non-general illuminance lighting. Examples of non-general illuminance lighting include signage and specialty lighting (i.e. swimming pool lighting and stage lighting). All other non-general illuminance lighting products must be certified by a Nationally Recognized Testing Lab (NRTL). To be eligible for incentives, documentation of NRTL certification must be submitted with all non-general illuminance lighting submissions.

LED Refrigerated Case-lighting products

To qualify for incentives, any LED refrigerated case-lighting product submitted for an incentive must be listed on the Qualified Fixture List below. Documentation of the LED refrigerated case-lighting product listing must be included for each product type and project submitted. The product must be listed on the qualified list at the time of project submittal. Please note that products used in lighting applications outside of the listed category are not eligible for incentives.

An exception will be granted for DLC Listed LED Tubes for this application with the incentive matching the incentive offered via the Instant Incentive Program.

DesignLights Consortium's (DLC) commercial fixtures qualified list:

- LED refrigerated case-lighting products must have a primary use designation/category of Vertical Refrigerated Case Luminaires or Horizontal Refrigerated Case Luminaires.
- www.designlights.org

Controlled Environment Agriculture (CEA) Lighting

To qualify for incentives, lighting equipment for Controlled Environment Agriculture (CEA) must be listed on DesignLights Consortium's (DLC) Horticultural Lighting qualified equipment list. Documentation of the listing must be included for each product type and project submitted. The product must be listed on the qualified list. Please note that products used in lighting applications outside of the listed category are subject to review and may not be eligible for incentives.

DesignLights Consortium's (DLC) Horticultural Lighting qualified list:

- <https://qpl.designlights.org/horticulture>

Ineligible Lighting Technologies

Certain lighting technologies/upgrades have been deemed ineligible for incentives. The following technologies are not eligible to receive incentives through the Wattsmart Business program for retrofit projects.

Category	Description
HID	HPS-High Pressure Sodium
	MH-Metal Halide
	MV-Mercury Vapor
	CMH-Ceramic Metal Halide
	PSMH-Pulse Start Metal Halide
	Pulse Start Metal Halide Electronic ballasts
Fluorescent	All fluorescent Lamps
Incandescent	All incandescent lamps are ineligible for incentives
Induction	Incentives are not offered for Induction equipment
LED	LED traffic lights
	LEDs not listed on a qualified list
	TLED Type A without drivers
	LED A-Lamps , BR, PAR, MR-16, Recessed Downlight kits/fixtures
	Exit signs
CFL	Screw-in and hardwire CFLs are ineligible for incentives
Fixture Re-lamps	Incentives are not offered when no modifications are made to an existing fixture other than to replace an existing lamp with a lower-wattage lamp of the same technology, other than the “replacement lamp” section above

Ineligible Lighting for New Construction and Major Renovation

Category	Description
Exterior Lighting	NCMR incentives are not available for exterior lighting fixtures and controls
Interior Lighting (in buildings where energy code applies)	NCMR incentives are not available for interior lighting fixtures that are not listed DLC Premium

Ineligible Lighting Projects

- Retrofit lighting projects (Lighting System Retrofits, Replacement Lamps, LED signage, and LED Refrigerated Case Lighting) that do not use less energy than the existing lighting system or the baseline lighting system as determined by Pacific Power.