

Lighting Specifications

Please read the details below to ensure you are installing a qualifying product(s).

An MID inspection of the pre-existing lighting scheme is required prior to the installation of new equipment. Call (209) 526-7339 to arrange for an inspection.

Lighting Upgrade Limitations

- All lighting equipment must be new. Used or rebuilt equipment is not eligible for rebates.
- Rebates are offered for initial conversion/installations only (i.e., customers may not apply for rebates to replace burned out lamps, fixtures or ballasts for which they received past MID rebates).
- MID reserves the sole right to make determination of program eligibility and compliance.
- The brand name and model number of each type of electronic ballast used in your project must appear on the invoice.

Definitions:

Basecase – Refers to the existing lighting equipment, prior to retrofitting, based on lamp (bulb) Wattage
Electroluminescent Exit Sign – Exit sign using materials containing phosphors that light up when voltage is applied
Photoluminescent Exit Sign – Non-electrified exit sign containing materials that absorb and radiate light
Replacement Fixture – Refers to new equipment being installed based on system (lamp and ballast) Wattage

Fixtures

Linear Fluorescent Fixtures – Hardwired, Interior

- Only complete new T8 or T5 or High Output (HO) T5 hardwired fixtures qualify. Fixture being installed must have a lower Wattage than the fixture being replaced. Fixtures must be equipped with linear fluorescent lamps and ballasts that meet the specifications defined in the T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts category.
- New fixtures must replace existing Incandescent, Mercury Vapor, T12 / High Output Fluorescent, T12 / Very High Output Fluorescent, Standard Metal Halide, or High Pressure Sodium Fixtures in interior installations. Fixtures with 400 Watt and greater must be installed at a height over 12’ above the finished floor.
- Existing Pulse Start Metal Halide installations do not qualify. Exterior fixtures do not qualify. All fixtures must be hardwired. Fixtures are not eligible for additional rebates under the Compact Fluorescent Fixtures and T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts, but may qualify for an occupancy sensor rebate under the Occupancy Sensor category, provided all requirements are met.
- Existing fixtures with T12 lamps and magnetic ballasts apply under the “T8 or T5 Linear Fluorescent Lamps with Electronic Ballast” category. “Delamping” rebate may also apply.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL001	>400 Watt lamp basecase, up to 600 Watt replacement fixture	\$95.00	Fixture
CL002	400 Watt lamp basecase, up to 244 Watt replacement fixture	\$75.00	Fixture
CL003	400 Watt lamp basecase, 245 to 360 Watt replacement fixture	\$55.00	Fixture
CL004	176-399 Watt lamp basecase, up to 192 Watt replacement fixture	\$55.00	Fixture
CL005	101-175 Watt lamp basecase, up to 128 Watt replacement fixture	\$40.00	Fixture
CL006	≤ 100 Watt lamp basecase, up to 64 Watt replacement fixture	\$25.00	Fixture

Compact Fluorescent Fixtures - Hardwired

- Only complete new Compact Fluorescent fixtures qualify. New fixtures must not exceed the maximum Wattage listed in the rebate table below for each range of lamp Wattage being replaced and must have a lower Wattage than the fixture being replaced.
- Fixtures must be equipped with Compact Fluorescent Lamps and electronic ballasts.
- CFL ballasts must be Programmed-start or Programmed Rapid-start with a Power Factor (PF) of ≥ 0.90 and Total Harmonic Distortion (THD) of < 20%. New fixtures must replace existing Incandescent, Mercury Vapor, T12 / High Output Fluorescent, T12 / Very High Output Fluorescent, Standard Metal Halide, or High Pressure Sodium Fixtures in interior installations.
- Exterior installations qualify for existing lamps ≤ 400 Watts only. Existing Pulse Start Metal Halide installations do not qualify. All fixtures must be hardwired.
- Fixtures are not eligible for additional rebates under the Interior Linear Fluorescent Fixtures and T8 or T5 Linear Fluorescent Lamps with Electronic Ballasts categories, but may qualify for an occupancy sensor rebate under the Occupancy Sensor category, provided all requirements are met.
- To qualify for the ≥ 400 Watt category, fixtures must be installed at a height over 12’ above the finished floor.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL007	Interior ≥ 400 Watt lamp basecase, up to 390 Watt replacement fixture	\$35.00	Fixture
CL008	Interior 176-399 Watt lamp basecase, up to 275 Watt replacement fixture	\$15.00	Fixture
CL009	Interior 101-175 Watt lamp basecase, up to 160 Watt replacement fixture	\$15.00	Fixture
CL010	Interior ≤ 100 Watt lamp basecase, up to 70 Watt replacement fixture	\$12.50	Fixture
CL011	Exterior ≤ 400 Watt lamp basecase, up to 70 Watt replacement fixture	\$12.50	Fixture

Pulse-Start Metal Halide Fixtures - Hardwired, Interior

- Complete new Pulse Start Metal Halide Fixtures or Retrofit Kits qualify as replacements. Retrofit kits may be used on existing Mercury Vapor, Standard Metal Halide or High Pressure Sodium Fixtures only. New fixtures or retrofit kits must not exceed the maximum Wattage listed in the rebate table below for each range of lamp Wattage being replaced and must have a lower Wattage than the fixture or lamp being replaced.
- Replacements must be equipped with Pulse Start Metal Halide lamps and either magnetic or electronic ballasts. Lamp Wattages below 175 Watts do not qualify under this category.
- New fixtures must replace existing Incandescent, Mercury Vapor, T12 / High Output Fluorescent, T12 / Very High Output Fluorescent, Standard Metal Halide, or High Pressure Sodium Fixtures in interior installations.
- Exterior installations do not qualify. All replacements must be hardwired. Fixtures may qualify for an occupancy sensor rebate under the Occupancy Sensor category, provided all requirements are met.
- To qualify for the 400 Watt and > 400 Watt categories, fixtures must be installed at a height over 12' above the finished floor.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL012	>400 Watt lamp basecase, up to 820 Watt replacement fixture	\$75.00	Fixture
CL013	>400 Watt lamp basecase, up to 821-950 Watt replacement fixture	\$40.00	Fixture
CL014	400 Watt lamp basecase, up to 400 Watt replacement fixture	\$35.00	Fixture
CL015	176-399 Watt lamp basecase, up to 275 Watt replacement fixture	\$30.00	Fixture
CL016	175 Watt lamp basecase, up to 190 Watt replacement fixture	\$7.50	Fixture

Pulse-Start Metal Halide Fixtures – Hardwired, Exterior

- Complete new Pulse Start Metal Halide Fixtures or Retrofit Kits qualify as replacements. All installations for this measure are for exterior applications only. Interior installations do not qualify.
- New fixtures must replace existing Incandescent, Mercury Vapor, T12 / High Output Fluorescent, T12 / Very High Output Fluorescent, Standard Metal Halide, or High Pressure Sodium Fixtures. Retrofit kits may be used on existing Mercury Vapor, Standard Metal Halide, or High Pressure Sodium Fixtures only.
- New fixtures or retrofit kits must not exceed the maximum Wattage listed in the rebate table below for each range of lamp Wattage being replaced and must have a lower Wattage than the fixture or lamp being replaced.
- Replacements must be equipped with Pulse Start Metal Halide lamps and either magnetic or electronic ballasts.
- Lamp Wattages below 175 Watts do not qualify under this category. All replacements must be hardwired.
- To qualify for the 400 Watt and > 400 Watt categories, fixtures must be installed at a height of over 12' above the finished floor.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL017	>400 Watt lamp basecase, up to 820 Watt replacement fixture	\$75.00	Fixture
CL018	>400 Watt lamp basecase, up to 821-950 Watt replacement fixture	\$40.00	Fixture
CL019	400 Watt lamp basecase, up to 400 Watt replacement fixture	\$35.00	Fixture
CL020	176-399 Watt lamp basecase, up to 275 Watt replacement fixture	\$30.00	Fixture
CL021	175 Watt lamp basecase, up to 190 Watt replacement fixture	\$7.50	Fixture

Induction Fixtures - Hardwired, Interior

- Only complete new Induction fixtures qualify. New fixtures must not exceed the maximum Wattage listed in the rebate table below for each range of lamp Wattage being replaced and must have a lower Wattage than the fixture being replaced. Fixtures must be equipped with Induction lamps and drivers.
- New fixtures must replace existing Incandescent, Mercury Vapor, T12/High Output Fluorescent, T12/Very High Output Fluorescent, Standard Metal Halide, or High Pressure Sodium fixtures in interior installations.
- Existing Pulse Start Metal Halide installations do not qualify. Exterior installations do not qualify. All fixtures must be hardwired. Fixtures may qualify for an occupancy sensor rebate under the Occupancy Sensor category, provided all requirements are met.
- To qualify for the 400 Watt category, fixtures must be installed at a height over 12' above the finished floor.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL022	400 Watt lamp basecase, up to 360 Watt replacement fixture	\$75.00	Fixture
CL023	176-399 Watt lamp basecase, up to 180 Watt replacement fixture	\$55.00	Fixture
CL024	101-175 Watt lamp basecase, up to 160 Watt replacement fixture	\$25.00	Fixture
CL025	100 Watt lamp basecase, up to 95 Watt replacement fixture	\$25.00	Fixture

Bi-Level Stairwell/Hall/Garage Fixtures

- Eligible units shall be hardwired fluorescent fixtures with electronic ballasts and manufacturer integrated occupancy sensors.
- All lamps shall be pin-based. Each unit shall contain a passive infrared and/or ultrasonic occupancy sensor that controls the individual fixture.
- Fixtures controlled by "manual on" overrides are not eligible. During occupied periods the fixture shall operate at full output, and during unoccupied periods the fixture shall operate at reduced light output and Wattage.
- This measure is not eligible for additional rebates under the Occupancy Sensor.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL027	Bi-Level Stairwell/Hall/Garage Fixtures	\$20.00	Fixture

T8 Or T5 Linear Fluorescent Lamps With Electronic Ballasts

- Rebate applies to existing T12 lamps and magnetic ballasts that are replaced by T8 or T5 lamps with the electronic, high frequency ($\geq 20\text{kHz}$), Underwriters Laboratory (UL) listed ballasts that are warranted against mechanical or electrical defects for five years, and have a Power Factor (PF) of ≥ 0.90 . At full light output, ballasts for 4-foot and 8-foot lamps must have Total Harmonic Distortion (THD) of $\leq 20\%$, while ballasts for 2-foot and 3-foot lamps must have THD of $\leq 32\%$. Programmed Start/Programmed Rapid-start ballasts must be used for T5 lamp installations. Customers installing T5 lamps for direct lighting in low ceilings should consult a lighting professional to address the possibility of excessive glare. T8 and T5 replacement lamps must meet the Color Rendering Index (CRI) and Rated Lamp Life standards listed, and the manufacturer's specification sheet must document these characteristics for each ballast type.
- When T8 lamps are being installed and occupancy sensors are not in use, Instant Start ballasts must be used. When occupancy sensors are installed to control circuits in lamp/ballast retrofits, Programmed Start or Programmed Rapid-start ballasts are recommended in order to maximize lamp life. Occupancy sensor rebates are allowed in combination with linear fluorescent lighting retrofits, but must meet the requirements of the Occupancy Sensor category.
- New T8 or T5 fixtures qualify for rebate.
- Replacement lamps and ballasts rebated in this category are not eligible for rebates under the Linear Fluorescent Fixtures category.
- May also qualify for Delamping rebate.

Lamp and Ballast Requirements

Lamp Type & Size	Ballast Type	CRI	Minimum Rated Lamp Life (3 hrs/start)
T8 – 2-ft, 3-ft, 4-ft	Programmed Start or Programmed Rapid-Start	≥ 80	24,000 Hours
T8 – All sizes	Instant Start	≥ 80	18,000 Hours
T5 – All sizes	Programmed Start or Programmed Rapid-Start	≥ 82	20,000 Hours

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL028	2-ft Lamp / Installed	\$3.50	Lamp
CL029	3-ft Lamp / Installed	\$4.25	Lamp
CL030	4-ft Lamp / Installed	\$5.00	Lamp
CL031	8-ft Lamp / Installed	\$7.50	Lamp

Delamping

- The total number of lamps claimed for de-lamping cannot be more than the number of replacement T8 or T5 lamps installed.
- Customers must not remove more than half of the existing lamps, ballasts and lamp holders from each fixture / system.
- Customers are responsible for deciding whether delamping will maintain adequate light levels.
- Delamping must be accompanied with lamp and ballast replacement/retrofit.
- Exclusions: Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps is not eligible for this incentive.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL032	2-ft Lamp / Removed	\$3.00	Lamp
CL033	3-ft Lamp / Removed	\$3.00	Lamp
CL034	4-ft Lamp / Removed	\$4.50	Lamp
CL035	8-ft Lamp / Removed	\$7.00	Lamp

Cold Cathode Lamps

- Must replace incandescent lamps of at least 10 Watts. Cold cathode lamps must range from 2 Watts to 8 Watts and may be medium (Edison) or candelabra base.
- Product must be rated for at least 18,000 average life hours.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL036	Cold Cathode Lamps	\$1.50	Lamp

Accent/Directional Lighting - Interior

Limitation:

Must replace existing reflector-type incandescent, PAR halogen, or PAR halogen IR lamps or fixtures. Accent lighting, flood lighting, or down lighting in interior installations qualify.

Integrated Ballast Ceramic Metal Halide Par Lamps

- Minimum 24 Watt integrated ballast ceramic metal halide PAR lamps with a rated lamp life of 10,500 hours or greater are eligible.
- Customers are responsible for determining if the lamp will fit in their existing equipment and for verifying compatibility with existing lighting controls

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL026	Integrated Ballast CMH PAR Lamps	\$9.50	Lamp

Ceramic Metal Halide Directional Lighting Fixtures

Only Ceramic Metal Halide directional light fixtures with a nominal lamp Wattage of 39 Watts or lower qualify. Customers are responsible for verifying compatibility with existing lighting controls.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL037	Ceramic Metal Halide Directional Lighting Fixtures	\$35.00	Fixture

Screw-In Compact Fluorescent 14 - 28 Watts, Reflector Lamps

- Screw-in compact fluorescent reflector lamps with integrated ballasts must be listed as ENERGY STAR® qualified.
- Screw-in induction reflector lamps also qualify if it can be demonstrated that lamp performance is equivalent to ENERGY STAR®.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL038	Screw-in Compact Fluorescent, 14 - 28 Watts, Reflector Lamps	\$3.75	Lamp

Screw-In Compact Fluorescent Lamps

Screw-in compact fluorescent lamps must be listed as ENERGY STAR® qualified.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL057	Screw-in Compact Fluorescent, (1-13W)	\$1.00	Lamp
CL058	Screw-in Compact Fluorescent, (14-26W)	\$2.50	Lamp
CL059	Screw-in Compact Fluorescent, (≥27W)	\$3.50	Lamp

Signage

High Efficiency Exit Signs

- Only new Light Emitting Diode (LED), Electroluminescent, or Photoluminescent exit signs that replace incandescent or compact fluorescent lamps (CFL) qualify. All new exit signs must meet UL-924 requirements.
- Exit signs must have a usage level ≤ 5 Watts and a minimum product life of 10 years or be listed as ENERGY STAR® qualified.
- Manufacturer’s information stating the model number and ENERGY STAR® qualification or other qualifying specification sheet must be submitted with each rebate form.
- New exit signs must meet local fire codes. Retrofit kits are not eligible.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL039	Exit Sign, Incandescent basecase	\$20.00	Fixture
CL040	Exit Sign, CFL basecase	\$11.25	Fixture

Channel Signs (LED)

- Must replace incandescent-lighted or neon-lighted channel letter signs.
- LED retrofit kits or complete LED replacement signs are eligible. Replacement signs cannot use more than 20% of the actual input power of the sign that is replaced.
- Measure the length of the sign as follows:
 - Measure the length of each individual letter at the centerline. Do not measure the distance between letters.
 - Add up the measurements of each individual letter to get the length of the entire sign being replaced.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL041	Indoor ≤ 2 ft. Retrofit	\$3.00	Foot
CL042	Indoor ≤ 2 ft. Replacement	\$3.00	Foot
CL043	Outdoor ≤ 2 ft. Retrofit	\$1.50	Foot
CL044	Outdoor ≤ 2 ft. Replacement	\$1.50	Foot
CL045	Indoor > 2 ft. Retrofit	\$4.50	Foot
CL046	Indoor > 2 ft. Replacement	\$4.50	Foot
CL047	Outdoor > 2 ft. Retrofit	\$2.25	Foot
CL048	Outdoor > 2 ft. Replacement	\$2.25	Foot

Controls

Occupancy Sensors

- Rebate applies to hardwired passive infrared and/or ultrasonic detectors that control interior lighting fixtures only.
- Self-contained wall-box lighting sensors are defined as units without an exterior switch pack or relay that are designed to replace a standard wall switch. Fixture-integrated sensors are defined as units that are factory-installed in a lighting fixture and used in interior installations and must control all lamps in the fixture.
- New fixtures equipped with fixture-integrated sensors used in stairwells, halls, or garages may qualify under the Bi-level Stairwell / Hall / Garage Fixtures category.
- For fluorescent lamps, programmed rapid start ballasts are generally recommended for use with occupancy sensors.
- Customers shall ensure that the appropriate ballast is in use for the installation.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL050	Wall- or Ceiling Mounted <500 Watts	\$15.00	Sensor
CL051	Wall- or Ceiling Mounted ≥ 500 Watts	\$33.00	Sensor
CL052	Fixture-Integrated in Installations Over 12'	\$15.00	Sensor
CL053	Fixture-Integrated in Installations 12' or Under	\$5.00	Sensor

Photocells

Rebate applies to built-in or stand-alone photoelectric cells that switch outdoor lighting loads on at dusk and off at dawn.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL054	Photocell	\$5.00	Photocell

Time Clocks

Time clocks must control lighting equipment. All units must feature a minimum 3-hour battery backup to avoid time loss during power outages. For outdoor lighting without a photocell, astronomical time clocks (where on-off time follows sunset and sunrise) are required.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL055	Time Clock	\$27.00	Time Clock

Plug Load Occupancy Sensors

Rebate applies to passive infrared and/or ultrasonic detectors only. Plug-load sensors must control electricity; using equipment in offices or cubicles, including shared copiers and /or printers.

Rebate ID	Description	Rebate Amount	Unit Of Measure
CL056	Plug Load Occupancy Sensor	\$11.25	Sensor

Table of Abbreviations for Lighting Upgrades

CFL	Compact fluorescent lamp	HID	High intensity discharge	MV	Mercury vapor	UL	Underwriters Laboratory
CRI	Color rendering index	HO	High output	PS	Pulse start	VHO	Very High Output
ETL	Electrical Testing Laboratories	LPW	Lumens per watt	THD	Total harmonic distortion	W	Watt



Considering other energy saving improvements?

An MID Custom Commercial Rebate may be available:

MID's Custom Rebate Program is available to larger commercial, industrial or agricultural customers who replace existing equipment or systems with high efficiency equipment.

Questions? Call (209) 526-7339

MID web site: www.mid.org