

Lighting Calculator 3.3 Program Offerings

Measure Series A: T8 Linear Fluorescent

Measure Series A covers both interior and exterior linear fluorescent lighting including 4', 8' T8 and irregular size products.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
A1-30%	Linear Fluorescent (4' & 8')	≤100	≥30%	\$20
A1-40%	Linear Fluorescent (4' & 8')	≤100	≥40%	\$30
A2-30%	Linear Fluorescent (4' & 8')	101-200	≥30%	\$40
A2-40%	Linear Fluorescent (4' & 8')	101-200	≥40%	\$50
A3-30%	Linear Fluorescent (4' & 8')	201-300	≥30%	\$60
A3-40%	Linear Fluorescent (4' & 8')	201-300	≥40%	\$80
A4-40%	Linear Fluorescent (4' & 8')	≥301	≥40%	\$100
A4-60%	Linear Fluorescent (4' & 8')	≥301	≥60%	\$160
A5-40%	Irregular Size Fluorescent (2', 3', 5', 6', 7') and U-Tubes	N/A	N/A	\$20

Note:

- Incentives and reportable savings to BPA for all 4' & 8' T12 fixtures will use the Market Average Baseline. (See the BPA Lighting Formulas and Adjustments form.)

Measure Series B: Compact Fluorescent

Measure Series B covers interior and exterior compact fluorescent lighting including: screw-in CFLs, hardwired CFLs and cold cathodes.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed bulb / fixture*
B1-50%	Dimmable or Flashable Cold Cathode	N/A	≥50%	\$10
B2-60%	Screw-in CFL or Cold Cathode	≤100	≥60%	\$3
B3-60%	Screw-in CFL	101-150	≥60%	\$6
B4-60%	Screw-in CFL	151-300	≥60%	\$60
B5-60%	Screw-in CFL	≥301	≥60%	\$80
B6-50%	Hardwired/GU-24 base CFL	≤100	≥50%	\$20
B6-65%	Hardwired/GU-24 base CFL	≤100	≥65%	\$25
B7-50%	Hardwired/GU-24 base CFL	101-150	≥50%	\$30
B7-65%	Hardwired/GU-24 base CFL	101-150	≥65%	\$40
B8-50%	Hardwired/GU-24 base CFL	151-300	≥50%	\$50
B8-65%	Hardwired/GU-24 base CFL	151-300	≥65%	\$65
B9-50%	Hardwired/GU-24 base CFL	≥301	≥50%	\$90
B9-65%	Hardwired/GU-24 base CFL	≥301	≥65%	\$120

Note:

- *Measures B1 through B5 are calculated per bulb. Total bulb count should be entered in the quantity field. Measures B6 through B9 are incentivized per fixture.

Measure Series C: Induction

Measure Series C covers interior and exterior induction lighting including screw-in and hardwired fixtures.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
C1-50%	Induction	50-99	≥50%	\$40
C2-50%	Induction	100-199	≥50%	\$80
C3-50%	Induction	200-299	≥50%	\$120
C4-50%	Induction	300-399	≥50%	\$160
C5-50%	Induction	400-499	≥50%	\$200
C6-50%	Induction	≥500	≥50%	\$400

Measure Series D: Electronic & Ceramic Metal Halide

Measure Series D covers ceramic and electronic metal halides including screw-in and single or double ended products intended for interior and exterior use.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
D1-50%	Electronic & Ceramic Metal Halide	50-99	≥50%	\$40
D2-50%	Electronic & Ceramic Metal Halide	100-199	≥50%	\$80
D3-50%	Electronic & Ceramic Metal Halide	200-299	≥50%	\$120
D4-50%	Electronic & Ceramic Metal Halide	300-399	≥50%	\$160
D5-50%	Electronic & Ceramic Metal Halide	400-499	≥50%	\$200
D6-50%	Electronic & Ceramic Metal Halide	≥500	≥50%	\$400

Measure Series E: Linear Fluorescent High-Bay

Measure Series E covers interior and exterior high output (HO) High-Bay Linear Fluorescent lighting systems. This measure series is designated by replacing an HID baseline of ≥ 200 watts with high output linear fluorescent lighting systems.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
E1-40%	HO Linear Fluorescent High-Bay	200-299	$\geq 40\%$	\$80
E1-50%	HO Linear Fluorescent High-Bay	200-299	$\geq 50\%$	\$120
E2-40%	HO Linear Fluorescent High-Bay	300-399	$\geq 40\%$	\$120
E2-50%	HO Linear Fluorescent High-Bay	300-399	$\geq 50\%$	\$160
E3-40%	HO Linear Fluorescent High-Bay	400-499	$\geq 40\%$	\$140
E3-50%	HO Linear Fluorescent High-Bay	400-499	$\geq 50\%$	\$200
E4-40%	HO Linear Fluorescent High-Bay	≥ 500	$\geq 40\%$	\$260
E4-50%	HO Linear Fluorescent High-Bay	≥ 500	$\geq 50\%$	\$400

Measure Series F: LED Screw-ins / Small Fixtures

Measure Series F is intended for interior and exterior screw-in and small LED fixtures. This measure series includes: reflectors, PAR, BR, A-lamps, MR-16s, recessed cans (retrofit included), and track fixtures.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
F1-20%	LED Screw-ins/Small Fixtures	≤ 25	$\geq 20\%$	\$5
F2-50%	LED Screw-ins/Small Fixtures	26-60	$\geq 50\%$	\$10
F2-75%	LED Screw-ins/Small Fixtures	26-60	$\geq 75\%$	\$15
F3-50%	LED Screw-ins/Small Fixtures	61-100	$\geq 50\%$	\$20
F3-75%	LED Screw-ins/Small Fixtures	61-100	$\geq 75\%$	\$30
F4-50%	LED Screw-ins/Small Fixtures	101-150	$\geq 50\%$	\$40
F4-75%	LED Screw-ins/Small Fixtures	101-150	$\geq 75\%$	\$60
F5-50%	LED Screw-ins/Small Fixtures	151-199	$\geq 50\%$	\$60
F5-75%	LED Screw-ins/Small Fixtures	151-199	$\geq 75\%$	\$80

Notes:

- Measure F1 is intended for a CFL baseline.
- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series G: LED Tubes & Troffers

Measure Series G covers all sizes and configurations of LED tubes and troffers for interior and exterior use.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
G1-40%	LED Tubes & Troffers	≤100	≥40%	\$20
G1-50%	LED Tubes & Troffers	≤100	≥50%	\$30
G1-60%	LED Tubes & Troffers	≤100	≥60%	\$40
G1-70%	LED Tubes & Troffers	≤100	≥70%	\$50
G2-40%	LED Tubes & Troffers	101-200	≥40%	\$40
G2-50%	LED Tubes & Troffers	101-200	≥50%	\$60
G2-60%	LED Tubes & Troffers	101-200	≥60%	\$80
G2-70%	LED Tubes & Troffers	101-200	≥70%	\$100
G3-40%	LED Tubes & Troffers	≥201	≥40%	\$70
G3-50%	LED Tubes & Troffers	≥201	≥50%	\$100
G3-60%	LED Tubes & Troffers	≥201	≥60%	\$120
G3-70%	LED Tubes & Troffers	≥201	≥70%	\$140

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series H: LED Exterior General Area

Measure Series H is intended for all forms of exterior LED lighting. This measure series includes: parking lot, street, wall packs, bollard, floods, barn/yard, pole lamps, and canopy.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
H1-40%	LED Exterior General Area	50-99	≥40%	\$30
H1-60%	LED Exterior General Area	50-99	≥60%	\$40
H1-70%	LED Exterior General Area	50-99	≥70%	\$50
H2-40%	LED Exterior General Area	100-199	≥40%	\$60
H2-60%	LED Exterior General Area	100-199	≥60%	\$80
H2-70%	LED Exterior General Area	100-199	≥70%	\$100
H3-40%	LED Exterior General Area	200-299	≥40%	\$80
H3-60%	LED Exterior General Area	200-299	≥60%	\$120
H3-70%	LED Exterior General Area	200-299	≥70%	\$140
H4-40%	LED Exterior General Area	300-399	≥40%	\$100
H4-60%	LED Exterior General Area	300-399	≥60%	\$180
H4-70%	LED Exterior General Area	300-399	≥70%	\$250
H5-40%	LED Exterior General Area	400-499	≥40%	\$120
H5-60%	LED Exterior General Area	400-499	≥60%	\$220
H5-70%	LED Exterior General Area	400-499	≥70%	\$300
H6-40%	LED Exterior General Area	≥500	≥40%	\$250
H6-60%	LED Exterior General Area	≥500	≥60%	\$400
H6-70%	LED Exterior General Area	≥500	≥70%	\$500

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series I: LED High-Bay

Measure Series I is intended for interior LED High-Bay applications.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
I1-40%	LED High-Bay	200-299	≥40%	\$80
I1-60%	LED High-Bay	200-299	≥60%	\$140
I1-70%	LED High-Bay	200-299	≥70%	\$200
I2-40%	LED High-Bay	300-399	≥40%	\$100
I2-60%	LED High-Bay	300-399	≥60%	\$180
I2-70%	LED High-Bay	300-399	≥70%	\$300
I3-40%	LED High-Bay	400-499	≥40%	\$140
I3-60%	LED High-Bay	400-499	≥60%	\$240
I3-70%	LED High-Bay	400-499	≥70%	\$360
I4-40%	LED High-Bay	≥500	≥40%	\$250
I4-60%	LED High-Bay	≥500	≥60%	\$400
I4-70%	LED High-Bay	≥500	≥70%	\$500

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series J: LED Parking Garage

Measures Series J is intended for parking garage applications with at least an 18/7 operating schedule. Parking garage applications under 18 hours per day should use Measure Series H: LED Exterior General Area.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
J1-40%	LED Parking Garage	50-99	≥40%	\$40
J1-60%	LED Parking Garage	50-99	≥60%	\$50
J1-70%	LED Parking Garage	50-99	≥70%	\$60
J2-40%	LED Parking Garage	100-199	≥40%	\$60
J2-60%	LED Parking Garage	100-199	≥60%	\$100
J2-70%	LED Parking Garage	100-199	≥70%	\$160
J3-40%	LED Parking Garage	200-299	≥40%	\$100
J3-60%	LED Parking Garage	200-299	≥60%	\$160
J3-70%	LED Parking Garage	200-299	≥70%	\$250
J4-40%	LED Parking Garage	300-399	≥40%	\$140
J4-60%	LED Parking Garage	300-399	≥60%	\$220
J4-70%	LED Parking Garage	300-399	≥70%	\$350
J5-40%	LED Parking Garage	400-499	≥40%	\$200
J5-60%	LED Parking Garage	400-499	≥60%	\$280
J5-70%	LED Parking Garage	400-499	≥70%	\$400

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series K: LED Loading Dock

Measure Series K is intended for interior and exterior loading dock applications.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
K-70%	LED Loading Dock	100-2000	≥70%	\$100

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series L: LED Exit Signs

Measure Series L is intended for all LED exit signs.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
L-90%	LED Exit Signs	10-60	≥90%	\$40

Notes:

- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series M: Linear LED Application

Measure Series M is intended for interior and exterior linear LED applications and includes: refrigerator case lights and accent / cove lighting.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
M-60%	Linear LED Application	≥60	≥60%	\$15

Notes:

- Users will enter total linear feet as the quantity for Measure Series M.
- Please refer to the LED Quick Reference Guide for performance guidelines.
- Trade Allies should check with utilities for any applicable LED requirements.

Measure Series N: Controls

Measure Series N covers occupancy sensors and bi-level controls.

Measure	Description	Watt Baseline	Required Wattage Reduction	Incentive per installed fixture
N1	Controls	45-200	≥25%	\$35
N2	Controls	≥201	≥25%	\$60

Advanced Controls:

LC 3 offers calculated incentives for advanced controls. Controls are considered advanced when they deploy multiple strategies and are self-reporting. The BPA lighting team will accept data logging if self-reporting features are not available. Advanced controls require a minimum of two weeks data post system commissioning. The lighting calculator treats Advanced Controls as non-standard measures and requires BPA approval.

Measure Series O: Decommissioning

The lighting calculator will automatically recognize decommissioning when there is a reduction in fixtures and applies a calculated incentive (including any deemed equipment incentives that are part of that measure row). Incentives are calculated based on the total adjusted savings. Decommissioning measures must provide a net energy savings of at least 10% and merit an incentive of at least \$5.00 to be eligible for an incentive. To qualify for decommissioning, a fixture must be completely removed, not just disconnected. BPA will not require conduit leading up to the fixture to be removed.

Measure	Description	Watt Baseline	Required Wattage Reduction	Utility Incent. (/kWh)
O	Decommissioning	N/A	N/A	\$0.18

Measure Series P: Non-Standard Measures

When calculator users are not able to select the existing or proposed equipment from the drop down boxes within the Measures Tab, the information may be entered as a non-standard measure which will receive a calculated incentive. A non-standard measure allows the user to manually key in the desired existing or proposed equipment. Non-standard measures must save at least 10% and merit an incentive of at least \$5.00 to be eligible for an incentive.

Requirement: Non-standard measures require approval from the BPA Lighting Team.

Applications that need to be sent in for non-standard approval include (but are not limited to):

- Advanced Lighting Controls
- Sign lighting

Measure	Description	Watt Baseline	Required Wattage Reduction	Utility Incent. (/kWh)
P	Non-Standard Measures	N/A	N/A	\$0.18

New Construction

Requirement: New construction projects must save at least 20% to be eligible for an incentive.

Measure	Description	Watt Baseline	Required Wattage Reduction	Utility Incent. (/kWh)
NC	New Construction	N/A	N/A	\$0.18