

# Lighting Comparison







303-786-7223 PACEpartners.com

There are many choices when it comes to lighting. Due to technological advancements and federal regulations, inefficient lighting is being phased-out and replaced with more efficient alternatives. The following tables can be used to compare bulb, tube and exterior lighting. As displayed, LEDs are the most efficient lighting choice and are now available in every lighting application. Consider working with a lighting contractor to determine the best lighting applications for your business' needs.





Partners for a Clean Environment (PACE) is your one-stop-shop for business sustainability in Boulder County. PACE provides:

- expert advising services
- rebates and incentives
- certification and recognition





## Bulbs

Type	Varieties	Percent More Efficient than Incandescent	Lifespan (hours)	Efficient Alternative	Example
LED	MR16 PAR Traditional	350-750%	25,000-50,000		
CFL	PAR Traditional	300-350%	10,000-12,000	LED	
Halogen	MR16 PAR	0-30%	2,000-5,000	LED CFL	
Incandescent	MR16 PAR Traditional	0%	750-1,500	LED CFL	

## Tubes

Type	Varieties	Percent more efficient than T12	Lifespan (hours)	Efficient Alternative	Example
LED	Tube Troffer	up to 85%	25,000-50,000		
T5	Tube Troffer	40-75%	20,000-30,000	LED	
T8	Tube Troffer	20-45%	15,000-25,000	LED	
T12	Tube Troffer	0%	7,500-20,000	LED T8	

## Exterior

Type	Varieties	Percent more efficient than Halogen	Lifespan (hours)	Efficient Alternative	Example
LED	Pole Mount Wall Pack Soffit	120-550%	25,000-50,000		
High Pressure Sodium	Pole Mount Wall Pack Soffit	150-350%	20,000-30,000	LED	
Metal Halide	Pole Mount Wall Pack Soffit	200-250%	7,500-20,000	LED	
Halogen	Pole Mount Wall Pack Soffit	0%	2,000-5,000	LED	

## Recycling

Recycling CFLs and fluorescent bulbs helps prevent the release of mercury into the environment and allows materials in the bulbs to be reused. The following table includes Boulder County locations that accept spent CFLs and fluorescent bulbs.

Business	Address	City	Phone
Ace Hardware	2486 Baseline Rd	Boulder	303-443-1616
Boulder County Hazardous Materials Management Facility	1901 63rd St	Boulder	720-564-2251
Home Depot	1600 29th St	Boulder	303-449-4221
Ace Hardware	1727 Main St	Longmont	303-485-8389
Batteries Plus	1020 Ken Pratt Blvd	Longmont	303-485-8389
Home Depot	393 S Hover St	Longmont	720-494-0319
Home Depot	1200 W Dillon Rd	Louisville	303-661-9600
Lowe's	1171 Dillon Rd	Louisville	303-665-1335

## Contact PACE

Business Sustainability Advisors are available to answer questions and help you select an LED solution that works for your business. Contact us at 303-786-7223 or [info@PACEpartners.com](mailto:info@PACEpartners.com).