

High-Performance T8 Lighting

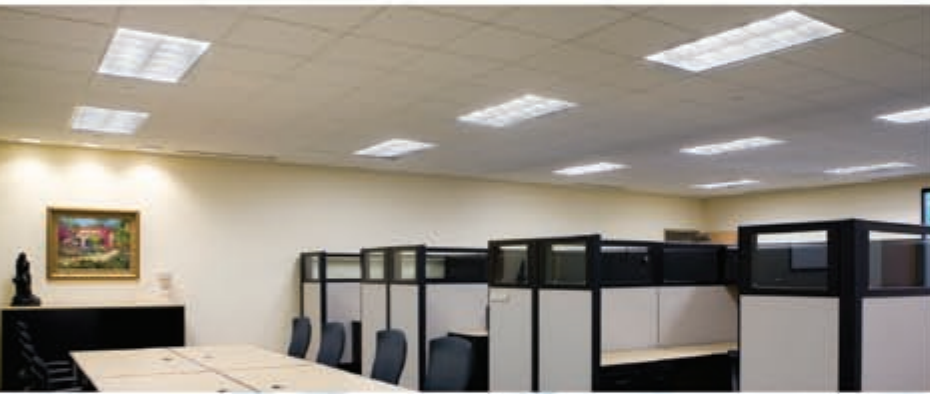


Performance
everyone
looks up to



Maximize sustainability. Minimize cost.

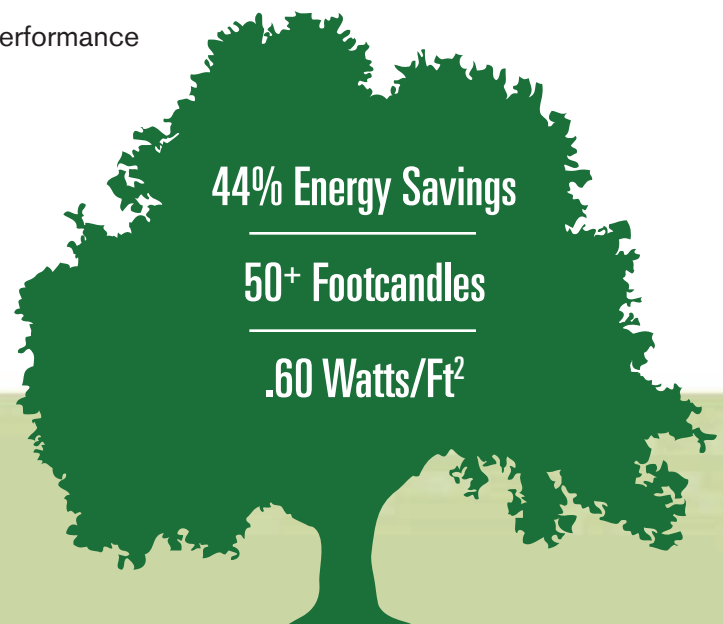
ES8™ lighting represents a breakthrough in fluorescent systems, fusing high-performance T8 technology with an extremely efficient and comfortable distribution of light. Unlike common parabolic fixtures employing three standard-life, standard-output T8 lamps, ES8 systems use just two long-life, high-efficiency, superior color-rendering lamps.



High-Performance

Energy Savings

- Energy savings of 44% compared to the industry standard three-lamp parabolic*
- Meets Illuminating Engineering Society recommended light levels
- Satisfies stringent lighting power density requirements
- Consortium for Energy Efficiency (CEE) qualified high-performance 32W T8 lamps and ballasts for use in 2x4 fixtures
- Eligible for maximum EPartax deductions of \$.60/Ft²
- Effective tool for achieving LEED certification



Environmental Sustainability

ES8™ fixtures establish environmental sustainability from start to finish.

Reduce

- Uses 44% fewer lamps over the course of time than traditional three-lamp systems*
- Energy-efficient operation reduces CO₂ production by 288 lbs. per fixture, per year*
- Compact design reduces transportation fuel by up to 33%

Recycle

- Durable all-steel construction is easily recycled at end of life
- Packaging consists of 60% recycled material from a sustainable forestry supplier



T8 Lighting



Enhanced Spaciousness

Parabolic fixtures create harsh shadows when lighting densely packed merchandise or illuminating partitioned office environments. ES8 lighting properly balances horizontal light levels with adequate illumination of vertical surfaces. This balanced delivery of light eliminates harsh shadows and creates a more open, spacious feeling.



Economic Sense

Typical installations of ES8™ lighting save \$12 per fixture per year in electricity costs, \$3 in re-lamping costs, and provide a simple payback in less than 30 months on new construction. Over a 15-year life-cycle this amounts to an estimated reduction in cost of ownership of \$225 per fixture in energy, lamps and maintenance costs.

* Energy savings, lamp life and payback figures for ES8 fixtures at 48W with 24,000 hour lamp life, compared with standard three-lamp fixtures at 85W with 15,000 hour lamp life, operating 4,000 hours per year at \$.08/kwh. Spot re-lamping costs are based on \$6 labor cost per lamp.

	2x4 ES8 louvered fixture 2ES8P 232	2x4 standard three-lamp T8 parabolic	2x2 ES8 louvered fixture 2ES8P 217	2x2 standard two-U lamp T8 parabolic
Lighting power density	0.60 W/ft ²	1.06 W/ft ²	0.66 W/ft ²	0.92 W/ft ²
Fixture efficiency	86%	75%	84%	63%
Input wattage – 277V	48W	85W	42W	59W
Fixture LER	86 LPW	65 LPW	70 LPW	52 LPW
Average maintained horizontal light level	52 Fc	69 Fc	45 Fc	47 Fc

Light level calculated on 9' ceilings, 60' x 60' room dimensions, 80/50/20 reflectances, .95 LLD, .90 LDD, horizontal light level on 2.5' workplane height. Fixture spacing: 2x4 8x10 centers, 2x2 8x8 centers. Luminaire Efficacy Rating (LER) is fixture lumen output divided by fixture input wattage (Lamps x lumens/lamp x ballast factor x fixture efficiency ÷ input wattage).

Consult specification sheets at www.lithonia.com for available 2x2, 2x4, and 1x4 ES8 fixtures.