

PERFORMANCE
everyone
looks up to



es8TM
High-Performance
T8 Lighting

 **LITHONIA LIGHTING**



High-Performance T8 Lighting





Maximize sustainability.
Minimize cost.

ES8™ lighting is a breakthrough in fluorescent luminaires, 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 fixtures use just two long-life, high-lumen, superior color-rendering lamps. ES8

fixtures are available for new construction and in a relighting version - which can upgrade existing buildings in a cost effective and environmentally sensitive manner.

For more information about relighting, see www.lithonia.com/relight.





energy SAVINGS

- Energy savings of 37 watts compared to the industry standard three-lamp parabolic, and up to 96 watts when relighting existing buildings with T12 lighting.
- Meets Illuminating Engineering Society recommended light levels at .60 w/ft²
- NEMA premium, CEE qualified ballasts eligible for most utility rebates
- Eligible for maximum EPA Act tax deductions of \$.60/Ft²

44% Energy Savings
50+ Footcandles
.60 Watts/Ft²

environmental SUSTAINABILITY

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 per fixture, per year in new construction and up to 750 pounds when replacing outdated fixtures.

Reuse

- eS8 Relight assemblies allow existing installations to achieve today's sustainability metrics without removing existing fixtures or wiring.

Recycle

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



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 new 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. Relight versions can save nearly three times these amounts when replacing 4 lamp T12 fixtures.

	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	89 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.



ES8™



exceeding
STANDARDS

Light grazing on the faceted pattern of the white steel cross blades adds visual interest and lowers perceived brightness. Unlike specular or semi-specular louvers, the ES8 matte finish eliminates reflected lamp image and also softens the fixture appearance to minimize ceiling distractions.



1 Unlike traditional aluminum louvers — ES8 steel louvers are easily cleaned of fingerprints and are resistant to dents and blemishes.

2 Semi-circular lamp cutout avoids harsh shadow lines on walls by slowly revealing the lamp as a point rather than as a linear source.

3 Hemmed edge and embossed facet blade make this the industry's strongest and most durable louver.

4 Patented mechanical light trap eliminates light leaks without the use of foam gasket. Cam latches provide a secure capture mechanism.

5 Door frame painted to match typical ceiling T-grid finish.

6 Highly reflective gloss-finish on housing increases efficiency and reduces high angle brightness.

7 All fixture sides are hemmed or inwardly formed for easy handling during installation.

ORDERING INFORMATION

2ES8P	232		BILP	L835HT8
Series	Number of lamps/wattage	Voltage	Ballast	Lamp
2ES8P (Full Fixture)	232 2-lamp, 32W T8 (48")	(blank) MVOLT	BILP IS, high efficiency, .78 bf (low)	L835HT8 3100 lumen, long life, 3500°K
2ES8R (Relight Assembly)	217 2-lamp, 17W T8 (24")	120	BINP IS, high efficiency, .88 bf (normal)	L830HT8 3100 lumen, long life, 3000°K
	2U31 2-lamp, 31W T8 (1-5/8" Leg)	277	BIHP IS, high efficiency, 1.20 bf (high)	L841HT8 3100 lumen, long life, 4100°K
		347	BSNP PS, step-dimming, high efficiency, .88 bf (normal)	

For shortest lead times, configure product using **standard options** (shown in bold).

Consult specification sheets for exact details on product offering and options.



Printed using soy inks
on 50% recycled paper

