

Landlite™

High-Output Compact Fluorescent Lamps

External-Ballasted High-Output CFLs

for Replacing H.I.D. Lamps



Landlite High-Output Compact Fluorescent Lamps are the revolutionary new light source to replace H.I.D. lamps from low-bay to middle-bay applications.

Compared to H.I.D. lamps, Landlite High-Output CFLs can offer many features that H.I.D. lamps can not do, such as instant lamp starting, high color rendering, better lumen maintenance, no color shift, lower glare level, and multiple color temperature choices.

Used with Landlite's full range CEB Series dedicated electronic ballasts, Landlite High-Output CFLs also provide tremendous energy savings from its much higher system efficiency and much lower system cost when compared with H.I.D. lamp+ballast systems.

Most of the Landlite High-Output CFLs are in Medium or Mogul screw base, ready for easy retrofitting of existing H.I.D. fixtures.

Since our invention of this new light source in 1998, we have been the pioneer in high-output compact fluorescent lighting.

Application Information

Applications

- Recessed Ceiling Fixtures
- Low-Bay Commercial Fixtures
- Office Lighting
- Industry Lighting
- Garden and Walkway Lighting
- Task and Showcase Lighting

Application Notes

1. Rated data and best lamp performance achieved when operated at 25°C/77°F
2. Dimmable, when work with Dimmable Electronic Ballasts
3. In outdoor applications, use only in totally-enclosed fixtures to avoid exposure to weather

Ballast Information:

Landlite CEB Series Electronic Ballasts are available for all Landlite High-Output CFLs in the following operating voltage ranges:

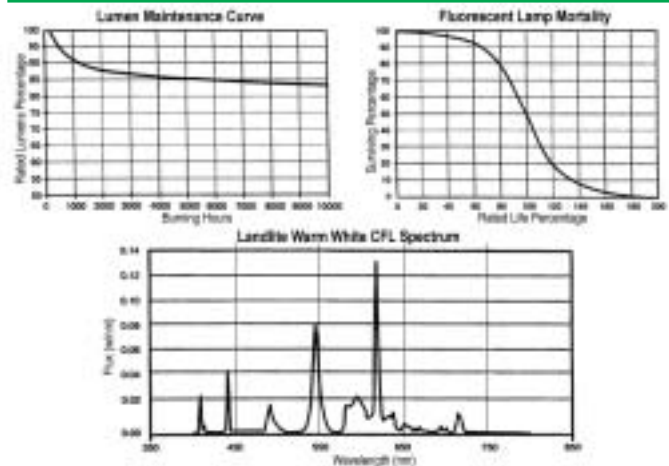
- General: 120V AC 50/60Hz
- USA Commercial & Industrial: 208-277V AC 50/60Hz
- Canadian Commercial & Industrial: 347V AC 60Hz
- Universal: 120-277V AC 50/60Hz

- Up to 140W and 8,700 lm lumen output
- 10,000 hours rated average lamp life
- 85 CRI high color rendering
- Excellent lumen maintenance without color shift
- New solid-mercury technology enhances lumen performance under high temperature environment
- Medium or Mogul base ready for easy retrofitting
- Multiple Color Temperature Choices:
 - Warm White: 2700K-3000K
 - Cool White: 3500K-4100K
 - Daylight: 5000K-6500K
- Ideal for replacing HID's with the following advantages:
 - Instant Flicker-free Starting
 - Higher Color Rendering
 - Better Lumen Maintenance
 - No Color Shifting
 - Lower Glare Level & Lower Contrast Ratio
 - Full Range of Color Temperature Choices
 - Higher System Energy Efficiency (Lumens/Lamp+Ballast)
 - Much Lower Total System Costs (Lamp+Ballast)

Product Lineup:

Lamp Type	Watts	Features
Spiral-Tube Lamps	105W, 85W, 65W	Optimum MOLs, Better light distribution, Better lamp rigidity
5U-Tube Lamps	140W, 120W, 105W, 85W	Shorter overall length than 4U, 3U lamps, lower costs than spiral lamp
4U-Tube Lamps	85W, 65W, 55W	Good balance between MOL and lamp rigidity
3U-Tube Lamps	65W, 55W, 36W Slim,	Ideal for replacing tubular HID lamps in long & slim fixtures

Technical Information



CE Lighting