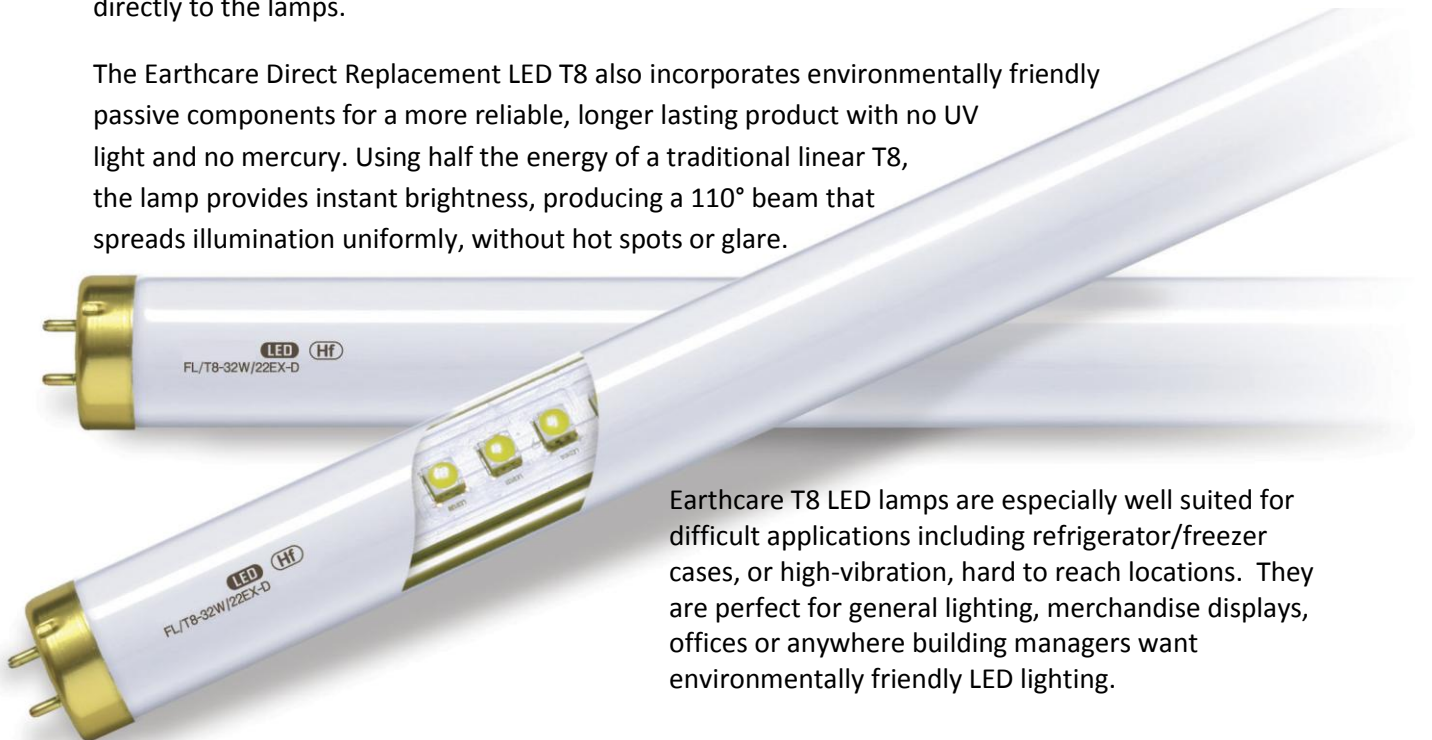


## Earthcare Direct Replacement LED T8: snap in, turn on!

Kumho's Earthcare Direct Replacement LED T8 does not require an electrical re-wiring to install. Because it works with popular instant-start ballasts, it is independent of the ballast operating voltage which can be 120VAC, 277VAC or 347VAC. This makes switching to LEDs as simple as changing a light bulb: no rewiring or special handling required. Ease-of-use, and a patented design that provides full dimming control when using a dimmable instant start ballast, sets it apart from other LED T8s.

Note that this lamp is designed as direct replacements, to be powered by ballasts in T8 lighting fixtures and not for use in rewired fixtures where AC power is supplied directly to the lamps.

The Earthcare Direct Replacement LED T8 also incorporates environmentally friendly passive components for a more reliable, longer lasting product with no UV light and no mercury. Using half the energy of a traditional linear T8, the lamp provides instant brightness, producing a 110° beam that spreads illumination uniformly, without hot spots or glare.



Earthcare T8 LED lamps are especially well suited for difficult applications including refrigerator/freezer cases, or high-vibration, hard to reach locations. They are perfect for general lighting, merchandise displays, offices or anywhere building managers want environmentally friendly LED lighting.

### Features:

- Direct replacement – works with existing fluorescent T8 lamp fixtures and instant-start ballasts
- Low energy usage: One third that of existing fluorescent T8s
- Environmentally friendly: no mercury, no UV or infrared light
- Low lumen depreciation -- maintains brightness over its 50,000 hour rated life
- Minimum heat emission, reducing load on building cooling systems.
- No flickering
- ETL tested to comply with OSHA safety standards



## Specifications:

Classification	Symbol	FL/T8-32W/22	FL/T8-32W/22	FL/T8-32W/22	Unit
Ballast Factor (existing)	BF	Low (78%)	Normal (88%)	High (110%)	
Power Consumption	P	19	22	26	W
Luminous Flux	F	1,815	2,110	2,490	lm
Luminous Efficacy*		95	95	95	lm/W
Input-Voltage	Vin	110-277v (to IS ballast)			V
Power-Factor	PF	0.9			
Color Temperature	CCT	3500/4100/5000 (other options available on special order)			Kelvin
Color Rendering Index		80+ (90+ available special order)			Ra
Rated Life	Lt	50,000			Hrs
Operating Temperature	Temp.	-20 ~ 45			°C
Diameter		φ29			mm
Total Length		1,198			mm
Material		AL,PC			
Weight		500			g

\* Efficiency measured using 4100K with clear lens.

The Kumho LED T8 offers “self-adjusting” light output that matches the corresponding ballast factor of the supply (or control) ballast. The new “system matched” light output will meet or exceed that of the one it is replacing.

## Lighting Distribution Chart:

