

FS SERIES

RECESSED LED TROFFERS



2'x2' and 2'x4' configurations

**A Simple Transition to
Advanced LED Lighting**



Simply architectural.

The FS Series recessed LED luminaire (FSL) from Lithonia Lighting achieves the perfect combination of advanced LED technology, modern **aesthetics and value**. Its remarkable energy savings, long life and exceptional performance are unmatched in the industry. Ideal for office, school, retail and healthcare applications, the FS Series makes it easy to transition from fluorescent to LED.

Quality illumination – without compromise. Some manufacturers may elect to compromise occupancy comfort and glare control for energy savings, the FS Series strikes a perfect balance of both by using a specially designed, efficient satin white lens to shield the LED source and distribute light while delivering high efficacy. Energy conservation is achieved without distraction glare.

Install is simple. Engineered to minimize jobsite assembly, the FS Series requires no special handling. Fully assembled, including the T-bar mounting clips, which are integral to the endplate of each luminaire.



IDEAL APPLICATIONS:

The 2'x2' or 2'x4' FS Series LED luminaire is ideal for:

- Offices
- Healthcare
- Schools
- Retail general ambient

The value is real. The FS Series breaks down cost barriers for cost efficient, advanced LED lighting technology. The long life of the LEDs helps reduce maintenance time and cost enhancing the overall value.

PERFORMANCE IS PARAMOUNT

Delivering quality illumination, the FS Series can deliver energy savings between 30 – 50 percent compared to linear fluorescent lighting. Integrated digital controls and lumen management options help further maximize energy savings.

Thoughtful engineering enables the FS Series to provide up to 118 lumens per watt, and an expected service life of more than 19 years when operating 10 hours a day/5 days a week or 50,000 hours with little to no maintenance.

CUSTOMIZE TO MEET YOUR NEEDS

LUMEN OPTIONS

The availability of seven different lumen packages allows you to meet the light levels of traditional light sources, while maximizing energy savings.

- The FSL 2'x2': 2000, 3300 or 4000 lumen packages
- The FSL 2'x4': 3000, 4000, 4800, 6000 or 7200 lumen packages

COLOR TEMPERATURE OPTIONS

The FS Series offers the versatility of being available with multiple color temperatures to meet the needs of any application.

- Available in 3000, 3500, 4000, and 5000K CCTs — with standard lead times.

EMERGENCY BACKUP

The FSL can be configured with a 90-minute, 700 or 1400-lumen emergency battery backup, compliant with the NFPA 101 Life Safety Code. Dual light engines are parallel-wired so both engines operate in emergency mode to provide additional component redundancy.

DRIVER OPTIONS

The FSL comes standard with a 0-10V digital eldoLED® driver that provides smooth, seamless and flicker-free dimming to 1%. Similar to incandescent dimming, this natural dimming attains the deepest dimming levels without dropout and without a visual flash when powering on.

These advanced dimming capabilities help save energy and prolong the life of the LED modules while providing users full control of illumination levels.

- Additional driver options including dim to black (0.1%), DALI and DMX/RDM.
- Low Inrush alleviates damaging current surges; low EMI eliminates the need for external filters.
- 89% full-load efficiency means more LPW are delivered from the luminaire; advanced electronic off means fewer watts are consumed.



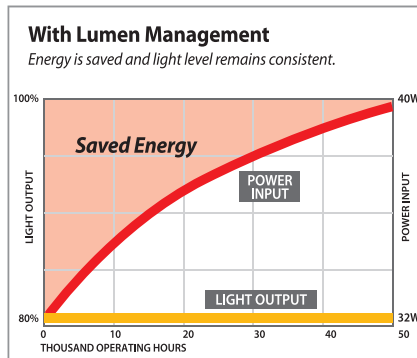
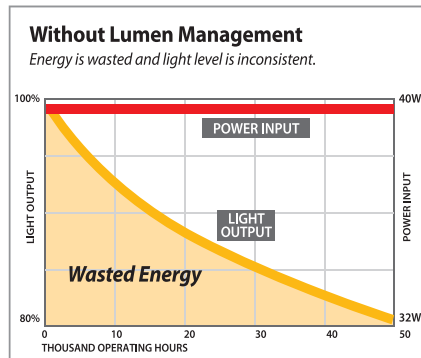
SMART + SIMPLE.

The FS Series recessed LED luminaire is available with optional integrated with nLight® digital technology allowing it to communicate with Acuity Brands® control devices such as occupancy sensors, photocells and wall stations.

LUMEN MANAGEMENT

These digitally smart luminaires can be optimized for increased energy savings by including nLight Lumen Management. The integrated intelligence actively manages the driver so that lumen output is maintained over the life of the luminaire.

With lumen management, light output is reduced by 20% from the start, and then gradually increases it to provide constant lumen output over the life of the product.



DIMMING

The FS Series LED luminaire is offered standard with a 1% dimming eldoLED driver that delivers a full range of dimming, from a 0-10V control signal.

1% dimming can be used for creating an appropriately low light level when used in conference and meeting spaces.

1% dimming - the new standard

works even better for energy management, allowing lights to dim without distraction when daylight dimming!

eldoLED

ORDERING INFORMATION*		Lead times will vary depending on options selected. Consult with your sales representative.						Example: 2FSL4 40L EZ1 LP835 N100	
Series	Air function	Lumens ¹	Lens	Voltage	Driver	Color temperature	Controls		
2FSL4 2'x4' FS Series recessed LED luminaire	(blank) Static H Heat removal	30L 3000 lumens	(blank) Satin white	(blank) MVOLT (120-277V) 347 347V ²	EZ1 eldoLED dims to 1%, 0-10V	LP830 3000 Kelvin	(blank) No controls	N80 nLight with 80% lumen management	N80EMG nLight with 80% lumen management. For use with generator supply emergency power
		40L 4000 lumens			EZB eldoLED dims to black, 0-10V	LP835 3500 Kelvin			
		48L 4800 lumens			EDB eldoLED DALI ³	LP840 4000 Kelvin			
		60L 6000 lumens			EXB eldoLED DMX/RDM ³	LP850 5000 Kelvin			
		72L 7200 lumens			SLD Step-level dimming ³				
2FSL2 2'x2' FS Series recessed LED luminaire	(blank) Static H Heat removal	20L 2000 lumens					N100 nLight without lumen management		
		33L 3300 lumens					N100EMG nLight without lumen management. For use with generator supply emergency power		
		40L 4000 lumens							

Options	
EL7L	700 lumen emergency battery
EL14L	1400 lumen emergency battery
CP	Chicago plenum
PWS	Pre-wired steel
RRL	RELOC® ready luminaire

PERFORMANCE DATA				
2'x4'	Lumen Pkg	Lumens	Input Watts ⁴	LPW
	30L	3,170-3,664	31	103-118
	40L	3,994-4,637	40	102-117
	48L	4,596-5,347	47	100-115
	60L	5,071-5,867	52	98-112
	72L	6,758-7,823	70	97-111
2'x2'	Lumen Pkg	Lumens	Input Watts ⁴	LPW
	20L	2,048-2,333	21	100-114
	33L	3,318-3,839	35	96-110
	40L	3,857-4,502	42	93-109

STOCK CONFIGURATIONS	
2'X4'	2FSL4 40L EZ1 LP835
	2FSL4 40L EZ1 LP840
2'X2'	2FSL2 33L EZ1 LP835
	2FSL2 33L EZ1 LP840

- Notes**
- 1 Approximate lumen output.
 - 2 Not available with the EL7L and EL14L battery packs.
 - 3 Not available with N80, N80EMG, N100 or N100EMG.
 - 4 Actual wattage may differ by +/-5% when operating between 120-277V +/-10%.



DesignLights Consortium® qualified product. Not all versions may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

*Subject to change without notice. Please reference the most current spec sheet on Lithonia.com

The FS Series LED troffer is part of the versatile Lithonia Lighting® indoor ambient lighting LED product portfolio.



COMPANION PRODUCTS:

Lithonia Lighting provides a comprehensive portfolio of indoor ambient lighting product including complementary fluorescent luminaires (most families) and RELIGHT/retrofit systems.

SUGGESTED REPLACEMENT

Fluorescent	Wattage	FS Series LED	Wattage	% of Savings
2 Lamp T8	58W	2FSL4 30L EZ1 LP840	31W	47%
2 Lamp T8	58W	2FSL4 40L EZ1 LP840	40W	32%
2 Lamp T8	58W	2FSL4 48L EZ1 LP840	47W	20%
3 Lamp T8	88W	2FSL4 48L EZ1 LP840	47W	47%
3 Lamp T8	88W	2FSL4 60L EZ1 LP840	52W	40%
4 Lamp T8	112W	2FSL4 72L EZ1 LP840	70W	37%

LITHONIA LIGHTING®

Lithonia Lighting is a member of the Acuity Brands portfolio of lighting, controls and daylighting solutions.

Lithonia Lighting offers one of the industry's broadest lighting portfolios for commercial and industrial lighting applications. This includes recessed, surface, wraparound, relighting and retrofit kits. Our LED, fluorescent and HID lighting are recognized for their quality, reliability and solid performance, making Lithonia Lighting the most specified brands in the lighting industry.

