



FIREFLY

TECHNOLOGY CORPORATION

Designer and Manufacturer of the Finest LED Lighting since 1992

PRODUCT DESCRIPTION 2 x 4 Ceiling Troffer LED Retro

REPLACEMENT FOR ANY 2 X 4 CEILING INLAY

SAVES UP TO 76% ON ENERGY USE

TYPICALLY NO MAINTENANCE FOR 15 YEARS

DIMMABLE SO THEY CAN BE USED AS NIGHT LIGHTING

WORLD'S BEST 140 LUMENS PER WATT LED'S

OUTLASTS FLUORESCENT BY UP TO 6 TO 10 TIMES LONGER!



MADE IN USA

2' x 4' FEATURES AND BENEFITS

VERY LOW POWER USE	Takes four T-12 and two ballasts from 176 watts down to 43 watts total. That's a 76% energy savings!
VERY LONG LIFE	This proven 2' x 4' retrofit has very little lumen depreciation. Lasts 6 to 10 times longer than your fluorescent lamps with no mercury, high maintenance labor costs, or recycling needed.
VERY LOW HEAT	Firefly's patent pending design wicks all heat away, for a cool touch. This makes way for the longest lasting LED's in the industry. Remote UL power supply adds to this exceptional unmatched performance
WHITE LIGHT OPTIONS	Comes in <u>Warm</u> 3000°K, 4250°K, 4500°K, <u>Natural</u> 4000°K, 4250°K, 4500°K, <u>Cool</u> 5000°K, or Cooler D1, D2
CLEAR, BRIGHT LIGHT	Uniform even directional light where you need it. No hum, buzz or flicker guaranteed! Custom directional light made to your needs!
PERFORMANCE	No company can come close to our pricing, value, lumens per watt (energy saving), warranty and longevity! Shop and compare, and you will see why we are the best choice!
WORLD CLASS	Firefly has a commanding lead for the highest lumen output per watt (efficiency) Field installed since mid 2010 with no noticeable lumen depreciation. Optional viewing angles for high ceilings and CRI's of 85 and 91



Firefly is redefining commercial lighting by offering a no-compromise alternative when upgrading over fluorescent lighting. More affordable than comparable fluorescent options, Firefly LED retrofits deliver higher-quality light, longer life, industry's longest warranty, and far greater energy savings than our nearest competitor. Available in several different combinations, nine different light colors, three CRI, and two viewing angles for high ceiling applications. They are dimmable and can be made to blink for security purposes. The industry's longest 4 year warranty* with a 20 year life expectancy. A ROI of less than 6 months is possible with rebates.

EXCELLENT CHOICE FOR ALL COMMERCIAL OFFICES, HOSPITALS, SCHOOLS, RETAIL, MANUFACTURING, HALLWAYS, AND OTHER APPLICATIONS

GENERAL LIGHTING DISPLAY AREAS	The bright clean light of the Ceiling Inlay Retrofit, with no UV and very little heat, makes it an excellent fixture in putting the light where you need it!
EASY 15 MINUTE INSTALL	Everything you need is in this kit, including a 120/277 VAC UL listed power driver. LED panel, mounting hardware, instructions, etc.
ENERGY EFFICIENT	Savings of 75% on your lighting expense AND reducing the load on your AC through heat reduction, lowering your electric bill, AND minimizing expensive repair bills through longer replacement intervals.
DIMMING	0 to 10V Commercial Dimmer. Reduce hall or night time circuit down to 5, 10 or 50% light levels during off peak times. This could mean additional saving up to 95% less energy
CUSTOM UNITS	All of our units can be configured to meet your needs, depending on your light requirement for lumens, light color, or high color-temperature lighting applications. No company has such a comprehensive offering.

SOLID STATE LIGHTING OF THE FUTURE IS ALREADY AVAILABLE FROM FIREFLY

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PRODUCT DESCRIPTION
2'x4' CEILING TROFFER RETRO



2' x 4' CEILING TROFFER GENERAL SPECIFICATIONS

Volts	Maximum Overall Length	Maximum Width	Weight
AC 120V / 277 ±10V UL Listed	45.25"	20.062"	5 LBS

2' x 4' CEILING TROFFER RETRO SPECIFICATIONS

COLOR	AVG WATTS / LUMENS 18 / 15 / 27 LED UNITS	WARRANTY*
Warm White 18/15 LED 30	43W / 3465 lm : 38W / 2888 lm : 66W / 5,198 lm	4 Years
Warm White 18/15 LED 32	43W / 3465 lm : 38W / 2966 lm : 66W / 5,198 lm	4 Years
Warm White 18/15 LED 35	43W / 3560 lm : 38W / 2966 lm : 66W / 5,340 lm	4 Years
Neutral White 18/15 LED 40	43W / 3560 lm : 38W / 2966 lm : 66W / 5,340 lm	4 Years
Neutral White 18/15 LED 42	43W / 3560 lm : 38W / 2966 lm : 66W / 5,340 lm	4 Years
Neutral White 18/15 LED 45	43W / 3560 lm : 38W / 2966 lm : 66W / 5,340 lm	4 Years
Cool White 18/15 LED 50	43W / 4410 lm : 38W / 3675 lm : 66W / 6,615 lm	4 Years
Diamond 1 White 18/15 LED	43W / 4410 lm : 38W / 3675 lm : 66W / 6,615 lm	4 Years
Diamond 2 White 18/15 LED	43W / 4410 lm : 38W / 3675 lm : 66W / 6,615 lm	4 Years

2'x4' PART NUMBERS

F - **2X4** - **18XP** - **50** - **STD** - **D**

Lamp Power

18 = 18 LED Cell Parabolic
 18 = 27 LED Cell Parabolic
 15 = 27 LED Cell Parabolic
 27 = 27 LED Cell Parabolic

White Light Color

30 = Warm White 3000°K
 32 = Warm White 3250°K
 35 = Warm White 3500°K
 40 = Neutral White 4000°K
 42 = Neutral White 4250°K
 45 = Neutral White 4500°K
 50 = Cool white 5000°K
 D1 = Cooler Diamond 1
 D2 = Cooler Diamond 2

Viewing Angle

STD = Standard 120 degrees
 45 = 45 degrees
 30 = 30 degrees

DIMMING

D = Dimming

CALL FIREFLY — WE CAN MAKE IT HAPPEN!

FIREFLY LED LAMPS ARE THE BRIGHTEST, MOST EFFICIENT LAMPS IN THE WORLD
 NO OTHER COMPANY CAN GIVE YOU THIS PERFORMANCE
 AMERICAN TECHNOLOGY AT ITS BEST
 POWER COMPANY GRANTS ARE AVAILABLE

*SEE WEBSITE FOR WARRANTY

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