



Texas Fluorescents  
Reinvented

# CV800 SERIES

High Abuse Fixture



SG  
Inside



A wrap around fluorescent fixture designed for parking garages, school corridors or any application where high abuse or vandalism could occur. The X1LED high abuse fixture fixtures utilize efficient LED T8 lamps that provide high lumen output with efficient energy savings. Since they don't require any ballast or driver the only component that will ever need changing is the LED T8 lamp. The lamps are warranted for five years. Unlike high abuse fixture fixtures that utilize LED arrays and drivers these fixtures have the flexibility to change wattage, lumens, and color temperature simply by changing the lamps without the need to call a licensed electrician.

### LAMP

2 lamp positions

### CONSTRUCTION

Back plate is die formed of 16 gauge steel. Lens attached to back plate with tamper resistant stainless steel screws.

### MOUNTING

Units may be surface or wall mounted.

### DIFFUSER

Diffuser is made of injection molded UV stabilized 100% clear, polycarbonate with an internal prismatic pattern.

### ELECTRICAL

Unless otherwise specified, ballasts are rapid start, class "P" thermally protected, H.P.F., CBM-ETL. Optional ballasts available include: energy saving (ESB), electronic (ELB), dimming (DIM), low temperature (CW). Standard voltage on all fixtures is 120V 60Hz AC, or as specified. Sufficient knockouts are provided on the back for all connections and through wiring.

### SIZE W x L x H in inches

4.25"H x 8.25"W x 48.0"L



### X1 LED

The most economical, practical and user friendly series of LED fixtures with the energy savings, quality of light, long life and hassle-free maintenance. X1 LED fixtures are UL Listed with the latest LED T8 Bypass lamps. Fixtures provide over 44% energy savings over comparable fluorescent fixtures utilizing less expensive fixtures than the fluorescent version (no ballast required) and have flexibility to change wattage and color temperature any time. Fixture performance will evolve over time with the evolution of the T8 LED lamp technology. Concerned about maintenance with an LED array and driver fixture, X1 LED solves that by utilizing a self contained LED lamp that fits into fixture just like a fluorescent lamp.

### Lamp Specifications:

Our T8 LED lamps are available in 2 or 4 ft sizes in different wattage, lumens and color temperature options. Savegreen Lighting is a premier supplier of LED T8 lamps and makes a variety of Bypass T8 lamps to meet the needs of your special application. Options include more energy efficient 12W, 15W and 17W lamps with Premium 10 Year warranty as well as high output options up to 3500 lumens. Double ended LED T8 lamps are also available. See lamp options and specs at [www.savegreenlighting.com](http://www.savegreenlighting.com).

### Optional Dimming Options:

The 4 FT lamps are available with two dimming options; Specially designed dimming lamps require an external driver that runs 1 or 2 lamps. So more than 2 lamps require multiple external drivers or Consult for Bypass Type B lamps that can be dimmed without any external driver and dim with standard 2 wire dimming. See dimming options and specs at [www.saylite.com](http://www.saylite.com).

### Emergency Options:

The standard X1 LED Lamps require an inverter or an All-in-one emergency kit that includes LED array, battery and driver. Dimmable T8 LED with external driver works with standard LED EM. For a 5 watt inverter that is similar to adding a 500 Lumen emergency in a conventional fluorescent fixture, add "INV5W" to the end of the item number. This will allow 5 watts of one lamp to work in emergency mode. Or add "EMKT12" to the end of the item number to get a 12W stand alone emergency kit in the fixture that comes with a driver, battery and small LED array that works in Emergency mode. See emergency options and specs at [www.saylite.com](http://www.saylite.com).



Note: In order for UL safety certification to be valid, only approved lamps may be installed in the fixture and must be shipped with the fixture from the factory.

### Saylite, Texas Fluorescents Reinvented

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Catalog Number:
Notes:



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**Ordering Options**

(Fixtures below include LED T8 Lamp LT8ABP48L18W2250LXXK. For Other Lamp Options See below and Replace LNXXX with short code below. Specify without Lamps by removing LNXXX)

ITEM NO.	DESCRIPTION
CV800132X1LN18W40	4ft. 2250 Lumen Vandal Resistant w/LED T8 1x18W Lamps Included
CV800232X1LN18W40	4ft. 4500 Lumen Light Strip w/LED T8 2x 18W Lamps Included

Change 40 to 35 or 50 for different Kelvin. Change lamp wattage to 13W on 2FT or 15W on 4FT.

For 5W Emergency, Add INV5 at the End of Item Number for KTEMRGLED5500AC. See other options at [www.saylite.com](http://www.saylite.com)

For fixtures wired for double ended lamps, change X1 to X2 and see the Savegreen Lamps below for the proper Double Ended Lamp. For fixtures without lamps included, remove the "LNXXX" at the end of the item number and have X1 or X2 for Single or Double Ended wiring.

**LN18W40 - Lamp Specification**

50,000 Hour Life with 5 Year Warranty  
Beam Angle 140 Degree  
Aluminum Base and Aluminum Housing with Glass Cover  
Operating Temperature: - 20C to 50C  
Color Temperature: 3500K, 4000K, 5000K  
G13 Pins (Same as Fluorescent Linear T8 Bipin)  
AC100 – 277V without Ballast  
Single Ended or Double Ended Power (If not specified use X1 Single Ended Power)

**Savegreen T8 or T5 LED Lamp Options**

To include one of these lamps in fixture, remove "LNXXX" and add Savegreen Inside code below.  
(See [www.savegreenlighting.com](http://www.savegreenlighting.com) for specification sheets or more information on these lamp options.)

VERSION	SAVEGREEN INSIDE	SAVEGREEN ITEM NO.
Popular	SGB15W35	LT8BG48L15W1740LXXK
Standard	SGS29W35	LT8BGC24L9W1050LXXK
Standard	SGS312W35	LT8BGC36L12W1200LXXK
Standard	SGS15W35	LT8BGC48L15W1740LXXK
Premium	SGP12W35	L10T8BGC48L12W1750LXXK
Premium	SGP15W35	L10T8BGC48L15W2000LXXK
Premium	SGP18W35	L10T8BGC48L18W2500LXXK
High Output	SGH26W40	LT8BGC48L26W3500LXXK
Double Ended	SGD18W35	LT8BDGC48L18W2100LXXK
T5HO	SGT525W40*	LT5BG46L25W3300LXXK
Magic	SGM18W35K	LT8ABP48L18W2250LXXK
Magic	SGM18W35K	LT8ABP48L15W1875LXXK
Magic	SGM215W35K	LT8ABP24L15W1875LXXK

10-YEAR  
WARRANTY

Change 35 to 40 or 50 for different Kelvin.  
\*For T5, CCT 40K and 50K available.



Note: In order for UL safety certification to be valid, only approved lamps may be installed in the fixture and must be shipped with the fixture from the factory.

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