

# CROSSFIRE™ LED Lighting

**Only 15 Watts\*  
Per Door**

## Go Green with CrossFire™ LED

### CrossFire™ LED Lighting

SCHOTT Gemtron now offers the new CrossFire™ LED lighting system designed specifically for the commercial refrigeration industry. This industry leading light output system is designed to handle the harsh cold environments for both the normal and low temp applications. Our name says it all, CrossFire™. This patent pending design offers light pointed directly where it needs to be, at the merchandise to aid in increased product sales.



This energy efficient CrossFire™ design can save you up to 90% of your current energy cost and also remove the amount of heat that is added to your cold environment, therefore reducing compressor run times. The SCHOTT Gemtron CrossFire™ design has an exclusive power supply integrated into the light bar. When you add up all the benefits of the CrossFire™ LED lighting systems you will enjoy a fast payback on your lighting investment.

### Cold Environments

- ◆ *CrossFire™ LEDs love the cold. This technology finally gives the store owner what they have been looking for, a lighting system designed to operate in cold environments. LEDs operate in cooler and freezer applications much better than fluorescent bulbs. For fluorescent bulbs to operate and produce the designed lumen output, they need to run in much warmer environments. LED technology allows the lighting system to be placed in much colder environments.*

### Reduction of Heat

- ◆ *In supermarket applications CrossFire™ gives you a lighting system that generates less BTU per door. Your refrigeration rack system will see less demand to hold your cases at their desired operating temperature. The CrossFire™ LED System saves you 135 BTU's per door per hour compared to conventional T-8 lighting systems. This is simply achieved by using less wattage for the lighting system and elimination of heat from fluorescent bulbs.*

### Features

- ◆ *Over 1,600 Lux of light to the center of shelf*
- ◆ *Over 75,000 hours of operation while maintaining more than 70% original light output*
- ◆ *Uniform light distribution across the front of the shelf*
- ◆ *Complete utilization of light direction, therefore no wasted energy*
- ◆ *Removes heat from the refrigerated area, reduces compressor run time*
- ◆ *Available in standard 60" and 72" lengths, 12", 24", 36" & 48" also available*
- ◆ *4100K and 3500K Available*
- ◆ *Eliminates UV Rays*
- ◆ *Low profile fixture eliminates glare*
- ◆ *Retrofit-able on any case or line up of doors*
- ◆ *UL & NSF*
- ◆ *5 year warranty parts*
- ◆ *UL / NSF*



**SCHOTT**  
Gemtron

\* 5' light fixture

## Standard Output (1300 Lux)

Model	Color	Life <sup>2</sup>	Length <sup>1</sup>	CRI	Watts	Driver	Voltage
4160-120-CP	3500K	75,000	4'	82.2	6 Per Fixture 12 Per Door	On Board	120V
4160-120-LP	3500K	75,000	4'	82.2	6 Per Fixture	On Board	120V
4160-120-RP	3500K	75,000	4'	82.2	12 Per Door	On Board	120V
4160-120-CP	4100K	75,000	4'	82.2	6 Per Fixture 12 Per Door	On Board	120V
4160-120-LP	4100K	75,000	4'	82.2	6 Per Fixture	On Board	120V
4160-120-RP	4100K	75,000	4'	82.2	12 Per Door	On Board	120V
5160-120-CP	3500K	75,000	5'	82.2	7.5 Per Fixture 15 Per Door	On Board	120V
5160-120-LP	3500K	75,000	5'	82.2	7.5 Per Fixture	On Board	120V
5160-120-RP	3500K	75,000	5'	82.2	15 Per Door	On Board	120V
5160-120-CP	4100K	75,000	5'	82.2	7.5 Per Fixture 15 Per Door	On Board	120V
5160-120-LP	4100K	75,000	5'	82.2	7.5 Per Fixture	On Board	120V
5160-120-RP	4100K	75,000	5'	82.2	15 Per Door	On Board	120V
6160-120-CP	3500K	75,000	6'	82.2	9 Per Fixture 18 Per Door	On Board	120V
6160-120-LP	3500K	75,000	6'	82.2	9 Per Fixture	On Board	120V
6160-120-RP	3500K	75,000	6'	82.2	18 Per Door	On Board	120V
6160-120-CP	4100K	75,000	6'	82.2	9 Per Fixture 18 Per Door	On Board	120V
6160-120-LP	4100K	75,000	6'	82.2	9 Per Fixture	On Board	120V
6160-120-RP	4100K	75,000	6'	82.2	18 Per Door	On Board	120V

## High Output (1600 Lux)

Model	Color	Life <sup>2</sup>	Length <sup>1</sup>	CRI	Watts	Driver	Voltage
4160-120-C	3500K	75,000	4'	82.2	10.4 Per Fixture 20.8 Per Door	On Board	120V
4160-120-L	3500K	75,000	4'	82.2	10.4 Per Fixture	On Board	120V
4160-120-R	3500K	75,000	4'	82.2	20.8 Per Door	On Board	120V
4160-120-C	4100K	75,000	4'	82.2	10.4 Per Fixture 20.8 Per Door	On Board	120V
4160-120-L	4100K	75,000	4'	82.2	10.4 Per Fixture	On Board	120V
4160-120-R	4100K	75,000	4'	82.2	20.8 Per Door	On Board	120V
5160-120-C	3500K	75,000	5'	82.2	13 Per Fixture 26 Per Door	On Board	120V
5160-120-L	3500K	75,000	5'	82.2	13 Per Fixture	On Board	120V
5160-120-R	3500K	75,000	5'	82.2	26 Per Door	On Board	120V
5160-120-C	4100K	75,000	5'	82.2	13 Per Fixture 26 Per Door	On Board	120V
5160-120-L	4100K	75,000	5'	82.2	13 Per Fixture	On Board	120V
5160-120-R	4100K	75,000	5'	82.2	26 Per Door	On Board	120V
6160-120-C	3500K	75,000	6'	82.2	15.6 Per Fixture 31.2 Per Door	On Board	120V
6160-120-LP	3500K	75,000	6'	82.2	15.6 Per Fixture	On Board	120V
6160-120-RP	3500K	75,000	6'	82.2	31.2 Per Door	On Board	120V
6160-120-CP	4100K	75,000	6'	82.2	15.6 Per Fixture 31.2 Per Door	On Board	120V
6160-120-LP	4100K	75,000	6'	82.2	15.6 Per Fixture	On Board	120V
6160-120-RP	4100K	75,000	6'	82.2	31.2 Per Door	On Board	120V

<sup>1</sup>Nominal lengths <sup>2</sup>70% light output

For more information please contact

**SCHOTT Gemtron**  
Food Display Division  
2840 Nebo Road.  
Madisonville, KY 42431

Toll Free 800.326.2717  
Phone 270.821.2864  
Fax 270.326.3624  
www.gemtrondors.com

## Energy

One of the many benefits of CrossFire™ is the reduced energy cost to operate the lighting system. Compared to a T-10 VHO line up CrossFire™ uses 78% less energy and when compared to T-8 uses 48% less energy. With this significant reduction in energy usage store operation cost will be reduced.

## Warranty

CrossFire's™ industry leading 5 year warranty says in all. Compared to 12 and 15 month ballast warranties in the market place, our 5 year warranty assures you of a consistent and long life cycle.

## Glare

The CrossFire™ LED system is designed to reduce the amount of glare in the shopping aisle. CrossFire™ is positioned in the SCHOTT Gemtron frames so that the consumer will not be able to see the actual lighting. This feature gives less glare and more visibility of the product that is being merchandised.

## Light Distribution

The CrossFire™ lighting system has taken the lead in the industry when it comes to lighting the merchandise. Fluorescent lighting has struggled with achieving even light distribution to the front of the merchandising shelf. The patent pending design allows us to point the necessary light to the proper location. CrossFire™ does not rely on reflectors, lens, or prisms to achieve complete shelf illumination.

UL / NSF

**CROSS**  **FIRE™**

**SCHOTT**  
Gemtron