

# XCN3 LED Constitution Decorative Pedestrian / Area Light

*Crossover*<sup>®</sup>  
LED LIGHTING TECHNOLOGY

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## Leading Specification Features

- ☐ SmartTec™ Control Technology – Industry First
  - ☐ Low Total Cost of Ownership
  - ☐ Outstanding Uniformity & Visual Comfort
  - ☐ Leading Selection of Light Output Options
  - ☐ Unparalleled Speed & Ease of Installation
  - ☐ Enhances Architectural Styling of any Site
  - ☐ Exceptional Reliability in Pedestrian/Area Lighting
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### Marketing Positioning Statement

The XCN3 LED Constitution decorative pedestrian area light is ideal for lighting office complexes, campus sites, outdoor mall areas and walkways. Its ultra-modern and sleek two-arm design creates a “floating disk” appearance and complements innovative architectural design elements of any site. This innovative fixture utilizes no finned heat sinks to spoil its looks or collect dirt, grime or films. Provides up to 46% percent energy savings when compared to HID metal halide.



# SmartTec Control Technology - Industry First

## Thermal Management

LSI proprietary SmartTec heat dissipation system  
Sensors in driver enclosure reduce drive current when ambient temperatures exceed rated temperature  
Finless heat sink design to more effectively dissipate heat over time

## Dimming (DIM)

0-10V dimming enabled with controls by others

## Bi-Level Switching (BLS)

Optional low light level reduced to 30% of maximum drive current via 120V-277V controls by others

## Annual Energy & Maintenance Savings

\$2513 savings for (20) XCN3 SS fixtures replacing (20) 250W MH fixtures  
\$2180 savings for (20) XCN3 HO fixtures replacing (20) 250W MH fixtures  
Based upon 12 hour daily operation at \$.10kwh



## Low Total Cost of Ownership

## Clear Flat Optical Grade Tempered Glass Lens

## Outstanding Uniformity & Visual Comfort

Superior performance & value through sealed lens, precision reflectors and industry's best LEDs

Lens sealed to aluminum optics housing  
5 times more impact resistant than standard glass  
Won't discolor, craze or cloud up like acrylic lenses  
Cleans easily

## Lumen Output

Wide range of lumen outputs available through varying reflector types and drive currents  
Lumen range of 5200 to 8420 available, providing a choice of lumen outputs for the customer's specific requirements  
Creates a brighter environment at lower light levels

LIGHT OUTPUT - XCN3					
	# of LEDs	Lumens (Nominal)			Watts (Nominal)
		Type 3	Type FT	Type 5	
Cool White	SS 64	6050	5710	5360	70
	HO 64	8420	7940	7590	108
Neutral White	SS 64	5740	5450	5200	70
	HO 64	7990	7740	7290	108



## Leading Selection of Light Output Options

### Multitude of Distribution Patterns

Choices of type 3, FT and 5  
By increasing drive currents from Super Saver (SS) to High Output (HO), light distribution patterns are enhanced with greater lumen output  
Exceptional uniformity creates bright environment at lower light levels  
Improved backlight cutoff minimizes light trespass  
Application staff available to determine best distribution pattern  
LM79 and LM80 reports available

### 64 LED array

70 or 108 watt choice  
70 watt SS is ideal replacement for 250W MH  
108 watt HO is ideal replacement for 250W MH

### Color Rendering Index

CRI of 70 facilitates recognition of specific colors of various objects  
Meets industry standards

### Color Temperature

Cool white - 5000°K provides bright and pleasing area lighting at reduced foot candle levels  
Neutral white – 4000°K for a warmer color temperature

### Temperature Range

-40°C to +50°C (-40°F to 122°F)  
Life expectancy remains constant through the rated range  
Suitable for use in a wide range of ambient temperatures

### Two Drive Currents

Super Saver (SS) and High Output (HO) available  
Expands available solutions for customer specific applications  
Super Saver is the most energy efficient, while higher drive current can be utilized to drive for greater lumen output

### Input Voltage

Universal voltage 120V thru 277V (50/60hz input): 347V-480V also available

## Unparalleled Speed & Ease of Installation

### Mounting

Post top slipfits 4" pole or tenon  
Wall mount option  
Tool-less entry option available

### Maintenance-Free

Once installed, the XCN3 is virtually maintenance free

## Enhances Architectural Styling of any Site

### Attractive Design

Sleek two-arm design creates a "floating disk" appearance  
Exceptional beauty to complement surroundings  
Makes a first impression as well as a lasting one to the customer  
Sell when design aesthetics are highly desired

# Exceptional Reliability in Pedestrian/Area Lighting

## Environmentally Responsible

With exceptional “green” technology, XCN3 is RoHS compliant  
Greater than 80% recyclable by weight

## Housing

Available in two-arm post top mount  
Superior durability in die-cast aluminum one piece housing/ support frame  
Easily withstands extreme temperature changes  
Excellent surface finishing and dimensional consistency  
Housing top-cap is heavy-duty spun aluminum  
Housing sealed with extruded silicon gasket  
IP65 rated unit

## Fasteners

All exposed fasteners are black oxide coated stainless steel  
Internal fasteners are stainless steel or zinc electro-plated steel

## Gasketing

Luminaire optical assembly permanently sealed with robotically applied polyurethane  
All external seals for additional fasteners, options, etc. are EPDM or silicone rubber for robustness to pressure and temperature changes and environmental, aging and UV resistance  
Redundant fail-safe seals used in most areas for additional luminaire protection

## Pressure Stabilizing Vent/Breather

Allows super-tight protection  
Equalizes pressure in fixture optical unit preventing pressure buildup due to ambient temperature changes, protecting gaskets and seals over the life of the fixture

## Finish

LSI's DuraGrip<sup>®</sup> polyester powder coat – resists corrosion and is scratch and ding resistant  
Withstands extreme weather changes without cracking or peeling  
Exhibits excellent durability and resistance to ultraviolet rays

## Long-life

Up to 100,000 hours of expected life depending upon the ambient temperature of the installation location  
Once installed, virtually maintenance free

## Protection

Driver components fully encased in potting material for moisture resistance  
IP65 rated fixture

## Surge Protector

Two-stage surge protection including separate surge protection built into electronic driver  
Prevents damage to fixture due to unexpected “surge” or “swell” in AC Line Voltage  
Meets Location Category C Low

## Warranty

Limited 5-year warranty

## Options/Accessories

Button type photocell  
Tool-less entry  
Dimming  
Bi-Level Switching



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