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## PRODUCT DESCRIPTION

LUXlink Pro enables luminaire manufacturers to create any custom curved fixture with a single standard LED module, minimizing installation labor and maximizing versatility across product sizes. Each section is built from pre-soldered 4" linked modules to form a 12' run, cuttable down to 1" to fill any curve or radius down to an 18" diameter. The Pro version includes high efficiency LEDs offering 90CRI quality at 80CRI performance. Batwing Optics are an optional add-on for low profile fixtures.



## TECHNICAL SPECIFICATIONS

### Mechanical Information

- Pre-Soldered with 22 AWG Wire
- Min Bend Radius: 9 in
- Cuttable Every 1 in
- Specification-Grade 3M 300LSE Adhesive Backing
- LED Pitch: 0.5 in
- Width: 0.787 in (20mm)
- Total Unit Length: 12' (36x 4" sections)

### Photometric Performance

- Nominal Lumen Output: 800 lm/ft (3500K, 90CRI)
- Nominal Efficacy: 200 lm/W (3500K, 90CRI, 800 lm/ft)
- Beam Angle: 120°
- CCT Range: 2700K - 6500K
- 90+ CRI Standard
- 3-Step MacAdam Ellipse Color Binning

### Electrical Information

- Poke-In Connectors
- Forward Voltage: 32V (3500K, 90CRI, 800 lm/ft)
- Compatible with Industry-Standard 36V Drivers (0-2.8A)
- On Board ESD Protection
- Max Recommended Run Length: 12 ft
- Connector Wire Size: 18-24 AWG, solid or stranded

### Lifetime Information

- LM-80 Tested LEDs by CREE
- L70 > 102,000 Hrs for Ts = 85°C Per Inch
- L70 > 102,000 Hrs for Ts = 105°C Per Inch
- 5-Year Warranty

Request Samples & Pricing [Here](#)

### REQUESTING SAMPLES & PRICING

1	2	3	4	5	6	7	8	9
		-	-					-

<b>1: SERIES</b> LT Luxtech	<b>2: PRODUCT FAMILY</b> 09 LUXlink	<b>3: PRODUCT LINE</b> 06 Pro CC	<b>4: TAPE</b> 0 No 1 Yes	<b>5: OPTICS</b> A No B Batwing
<b>6: PROTECTION</b> 0 No	<b>7: RESERVED</b> 0	<b>8: RESERVED</b> 0	<b>9: COLOR</b> 2790 2700K 90 CRI 3090* 3000K 90 CRI 3590* 3500K 90 CRI 4090* 4000K 90 CRI 5090 5000K 90 CRI 6590 6500K 90 CRI *normally stocked	*Normally Stocked  <b>Part Number:</b> LT09-06-0A000-2790  <b>Description:</b> LUXlink, Pro CC, 2700K, 90CRI, Tape, 16.5ft reel  <b>UOM:</b> 16.5ft reel

### ELECTRICAL CHARACTERISTICS

Assuming 35K, 90 CRI, 25 °C

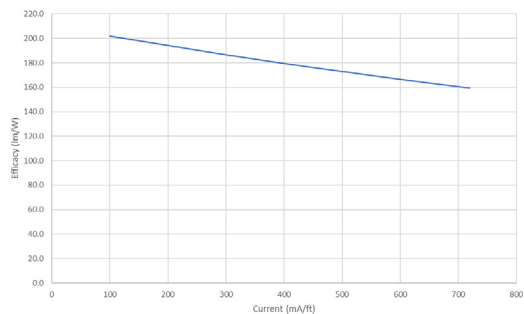
PER 1 FOOT SEGMENT							
Current (mA/ft)	100	200	300	400	500	600	720
Voltage (V)	32.0	32.6	33.2	33.7	34.1	34.5	34.9
Flux (lm/ft)	643	1267	1856	2414	2948	3445	4003
Efficacy (lm/W)	201	194	186	179	173	166	159

PER 1 LINK SEGMENT							
Current (mA/Link)	33	67	100	133	167	200	240
Voltage (V)	32	32.6	33.2	33.7	34.1	34.5	34.9
Flux (lm/ft)	214	422	619	805	983	1148	1334
Efficacy (lm/W)	201	194	186	179	173	166	159

LUXlink Pro Product Calculator can be used to evaluate performance at various lengths, color temperatures, and drive currents. Visit product page to access the product calculator.

### WHITE EFFICACY VS. CURRENT



\*LUXTECH maintains a tolerance of ±7.5% on flux measurements.

\*Performances will vary based on specific installation and thermal conditions.

\*LEDs naturally exhibit slight variations in performance due to their material properties and manufacturing processes. These variations may affect performance parameters like brightness, voltage, and color.

\*The product is sensitive to moisture. It's not good to use for outdoor application or damp environment.

## ABSOLUTE MAXIMUM RATINGS

Assuming 35K, 90 CRI

PER FOOT	
Current (mA/ft)	780
Temperature (°C)	105

COMPONENTS	
Max Recommended Run Length (ft)	12

**Max Drive Current = Run Length (in) x 65 (mA)**

\*Max ratings determined from LED Specifications.

LUXTECH advises to measure the solder point temperature (Ts) of each application to confirm it is below our recommended max temperature.

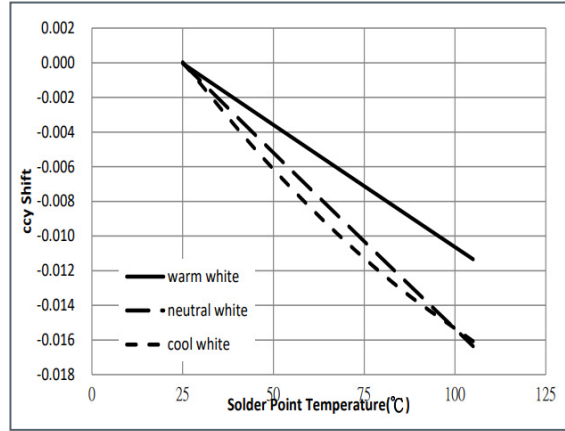
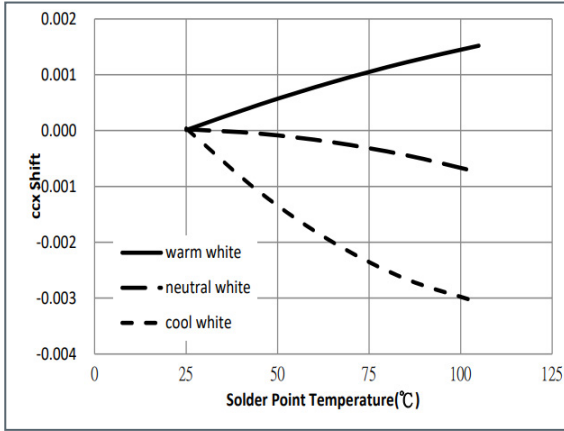
## DERATING

COLOR TEMPERATURE (80CRI)	LIGHT OUTPUT
2700K	98%
3000K	100%
3500K	100%
4000K	103%
5000K	103%
6500K	103%

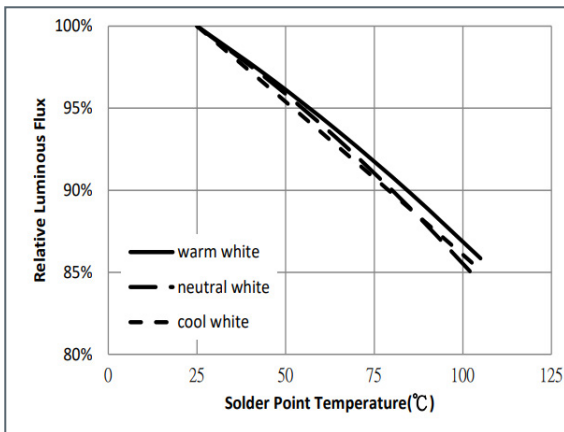
CRI	LIGHT OUTPUT
90 CRI	100%

## CHROMATICITY VS. TEMPERATURE

Color binning @ 85 °C



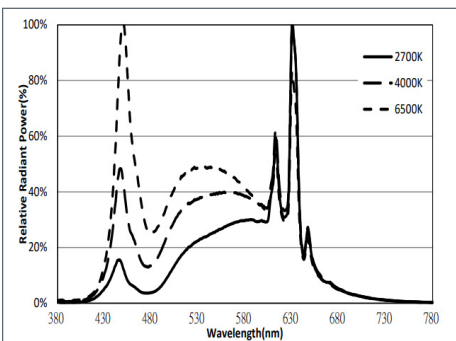
## FLUX VS. TEMPERATURE



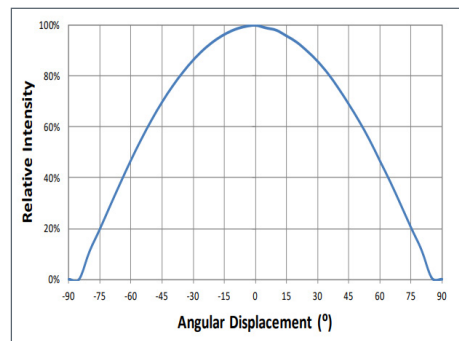
## OPTICAL SPECIFICATIONS

Spectral Power Distribution

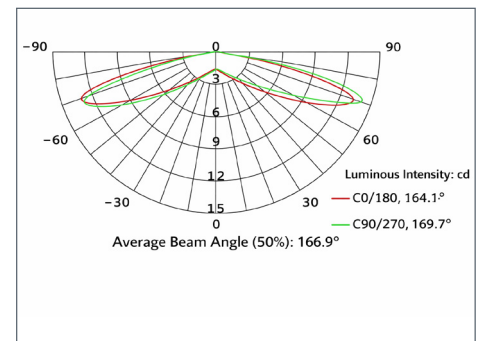
90 CRI



BEAM ANGLE



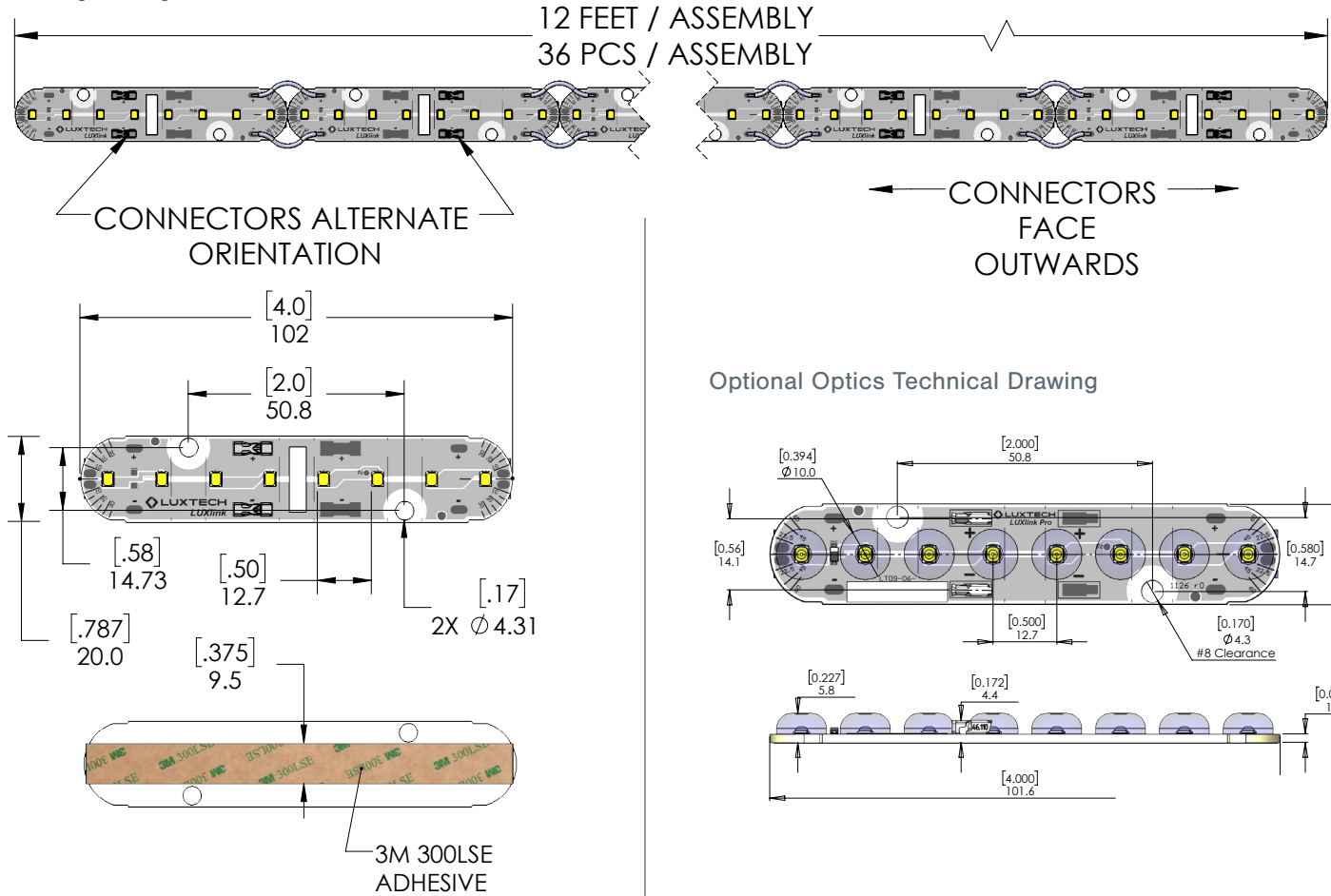
BEAM ANGLE WITH OPTICS



## MECHANICAL CHARACTERISTICS

Technical Drawing

Units: [inches] mm



### Product Dimensions

PARAMETER	SPECIFICATION (IN)
Width	0.787
Length	12'
Link Length	4"
Cut Length	1"
PCB Thickness	0.063"
Module Thickness, to Connector Top	0.18"

### Wiring

PARAMETER	SPECIFICATION
Wire Size	18-24 AWG

### Optics

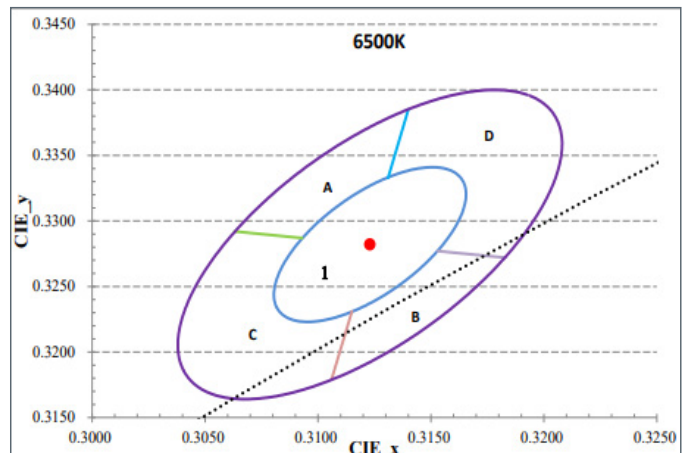
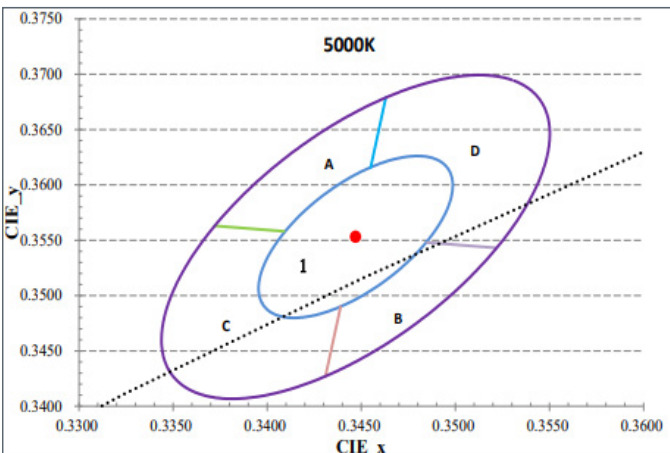
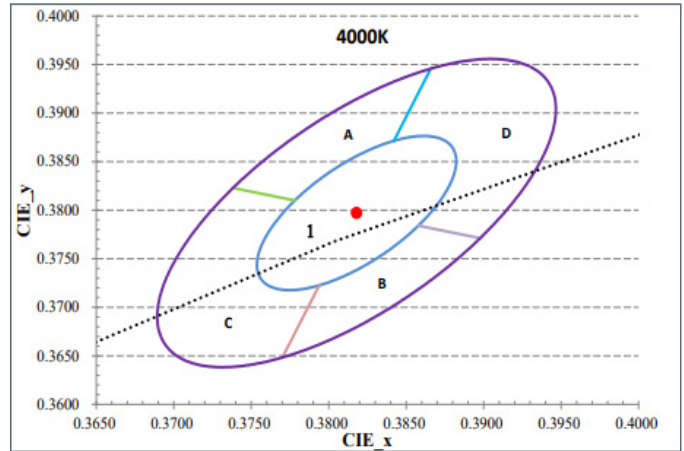
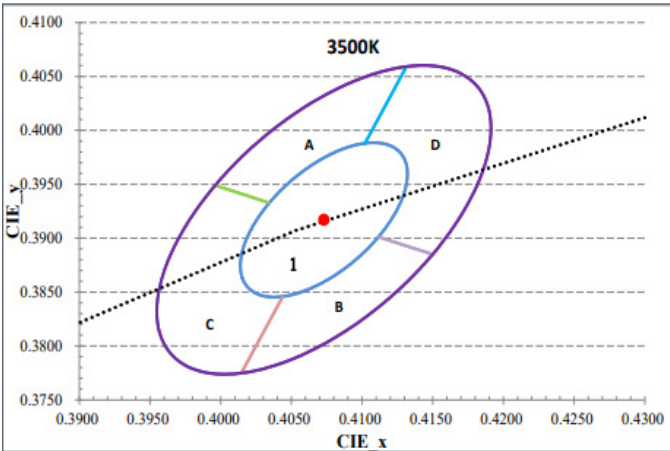
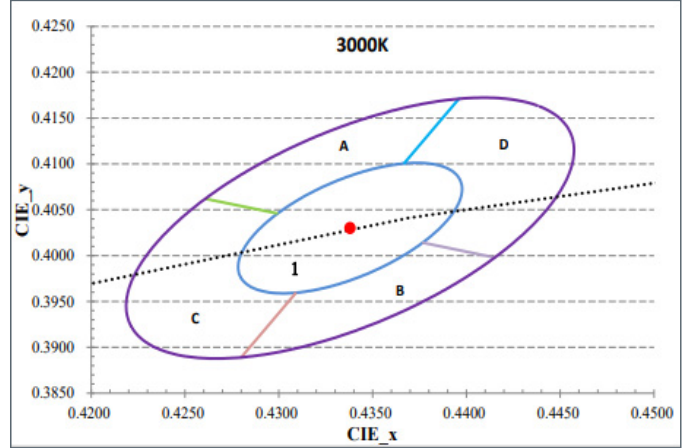
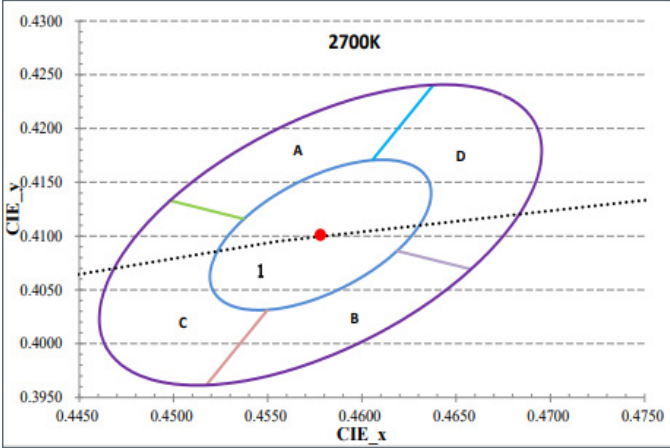
PARAMETER	SPECIFICATION (IN)
Optic Thickness	0.164
Total Module Thickness	0.227

## RECOMMENDED COMPATIBLE DRIVERS

BRAND	MODEL	PROGRAMMABLE DRIVE CURRENT (MA)	OUTPUT VOLTAGE (V)	DIMMING
AC Electronics	AC-50CD1.4APC7	400-1400	15-55	0-10V
EldoLED	SOLOdrive 566/U (A/S/L)	150-1400	15-55	0-10V
Osram	OPTOTRONIC Intelligent	150-1400	10-56	DALI/DEXAL

Design resources: Performance Calculator and CAD files available at [LUXTECH.com](http://LUXTECH.com)

## COLOR BINNING INFORMATION



### REQUESTING SAMPLES & PRICING

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		-						

1: SERIES	2: PRODUCT FAMILY	3: PRODUCT LINE	4: TAPE	5: OPTICS
LT Luxtech	09 LUXlink	06 Pro CC	0 No 1 Yes	A No B Batwing
6: PROTECTION	7: RESERVED	8: RESERVED	9: COLOR	
0 No	0	0	2790 2700K 90 CRI 3090* 3000K 90 CRI 3590* 3500K 90 CRI 4090* 4000K 90 CRI 5090 5000K 90 CRI 6590 6500K 90 CRI *normally stocked	

\*Normally Stocked

**Part Number:**  
LT09-06-0A000-2790

**Description:**  
LUXlink, Pro CC, 2700K, 90CRI, Tape, 16.5ft reel

**UOM:**  
16.5ft reel

If customization is required, contact sales: [sales@LUXTECH.COM](mailto:sales@LUXTECH.COM)

#### Prototyping

- 4-6 week lead time for new design prototypes

#### Single Order

- MOQ: 250 pieces per SKU
- Typical lead time: 6-8 weeks

#### Blanket Order

- MOQ: 1,000 pieces per SKU
  - Minimum release size: 250 pieces
  - Quantity per SKU must be specified
- 2.5 week lead time for blanket releases
  - 6-8 week set up time for first release
  - 6 month term for first release
  - Shipment of balance at end of term

#### Expedite Services

- Dedicated expedite facility can turn jobs in as little as 1 week