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PRODUCT DESCRIPTION

LUXslim Pro is LUXTECH's premium high performance flexible LED module. Designed to maximize performance and minimize waste, the product features the latest LED technology offering 90CRI quality at 80CRI performance on a slim platform fit for almost any linear application.



TECHNICAL SPECIFICATIONS

Mechanical Information

- Flexible IP20 LED module
- Cuttable Every 1 in
- Specification-Grade 3M 300LSE Adhesive Backing
- LED Pitch: 0.5 in
- Width: 0.393 in (10mm)
- Reel Length: 16.5 ft

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

- Forward Voltage: 32V (3500K, 90CRI, 800 lm/ft)
- Compatible with Industry-Standard Class 2 Drivers
- On Board ESD Protection
- Max Recommended Run Length: 8 ft

Lifetime Information

- LM-80 Tested LED
- L70 > 102,000 Hrs for Ts = 85°C, 60mA Per Inch
- L70 > 102,000 Hrs for Ts = 105°C, 60mA Per Inch
- 5-Year Warranty

Request Samples & Pricing [Here](#)

REQUESTING SAMPLES & PRICING

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

1: SERIES	2: PRODUCT FAMILY	3: PRODUCT LINE	4: TAPE	5: OPTICS
LT Luxtech	10 LUXslim	06 Pro	1 Yes	A No

6: PROTECTION	7: RESERVED	8: RESERVED	9: COLOR
0 No	0 No Connectors C Connectors	0 blank	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:
LT10-06-1A000-2790

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

UOM:
16.5ft reel

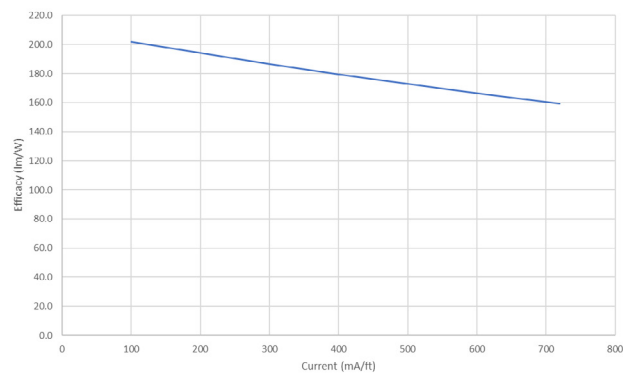
ELECTRICAL CHARACTERISTICS

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

LUXslim 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.

Request Samples & Pricing [Here](#)

ABSOLUTE MAXIMUM RATINGS

Assuming 35K, 90 CRI

PER 1 FOOT SEGMENT	
Current (mA/ft)	780
Temperature (°C)	105

COMPONENTS	
Max Recommended Run Length (ft)	8

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.

*Customer is responsible for ensuring all parameters are under the absolute maximum ratings.

*Run length may exceed 8 feet but may cause a drop in light output

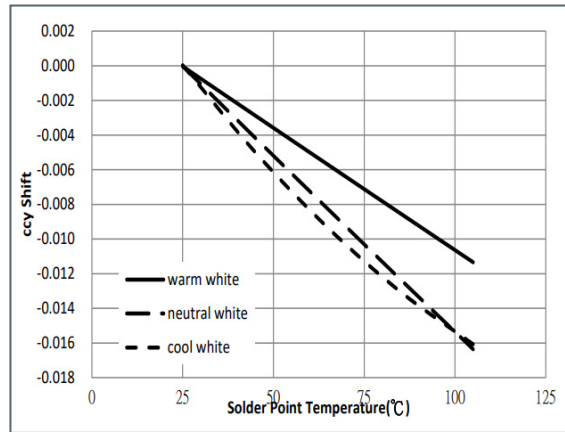
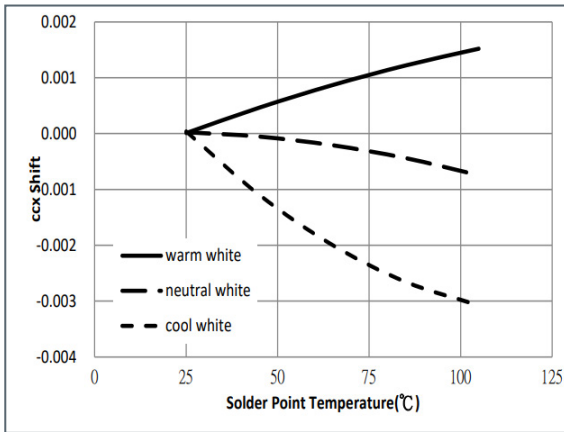
DERATING

COLOR TEMPERATURE	LIGHT OUTPUT
2700K	98%
3000K	100%
3500K	100%
4000K	103%
5000K	103%
6500K	103%

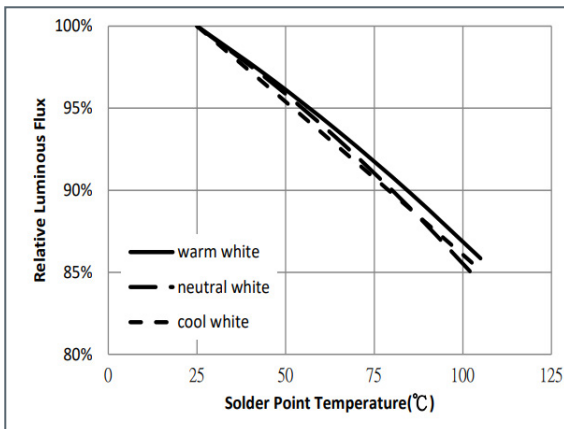
CRI	LIGHT OUTPUT
90 CRI	100%

CHROMATICITY VS. TEMPERATURE

Color binning @ 85 °C



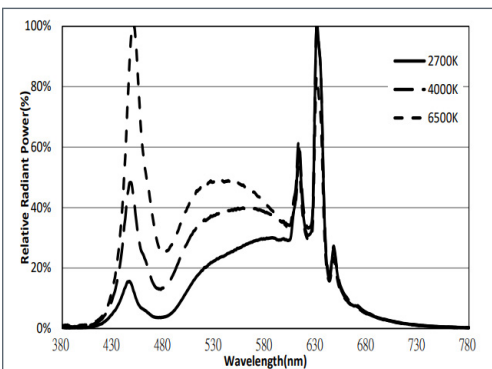
FLUX VS. TEMPERATURE



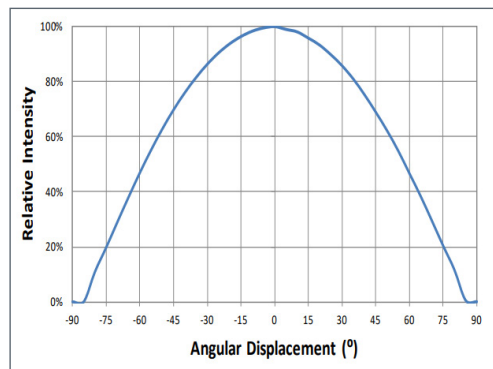
OPTICAL SPECIFICATIONS

Spectral Power Distribution

90 CRI



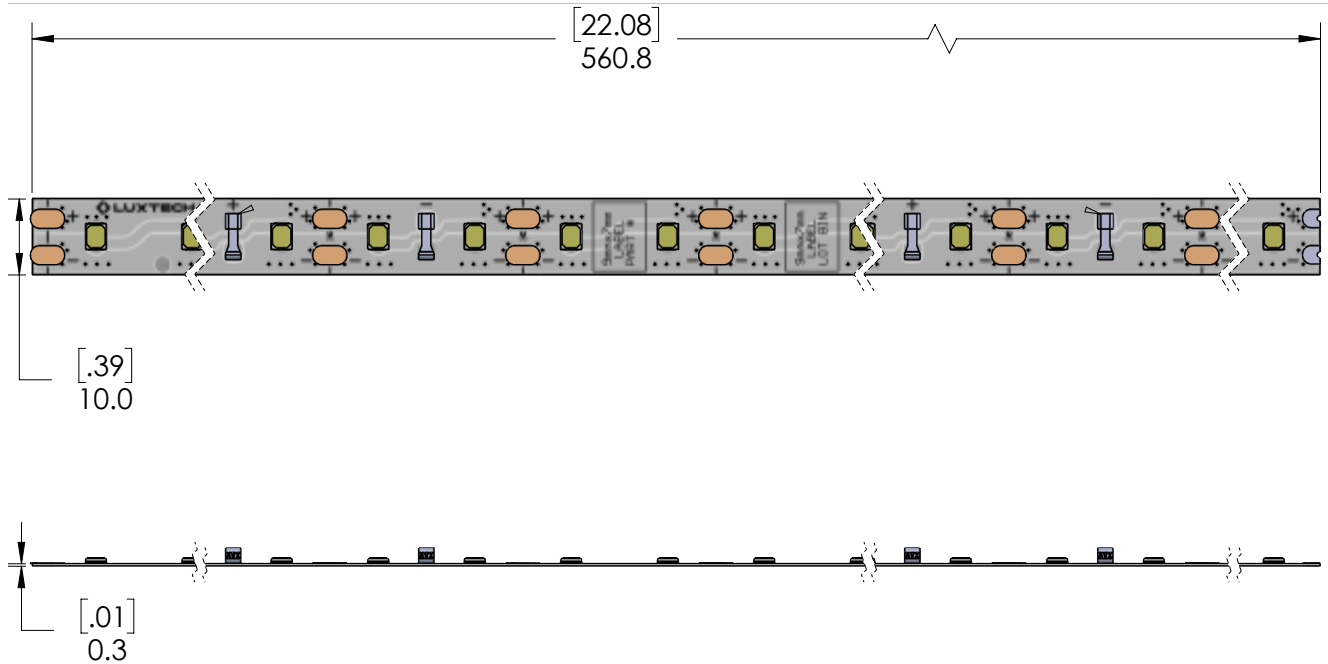
BEAM ANGLE



MECHANICAL CHARACTERISTICS

Technical Drawing

Units: [inches] mm



Product Dimensions

PARAMETER	SPECIFICATION (IN)
Width	0.393"
Reel Length	16.5'
Connector Spacing	12"
Cut Length	1"
Module Thickness	0.12"
PCB Thickness	0.019"

Wiring

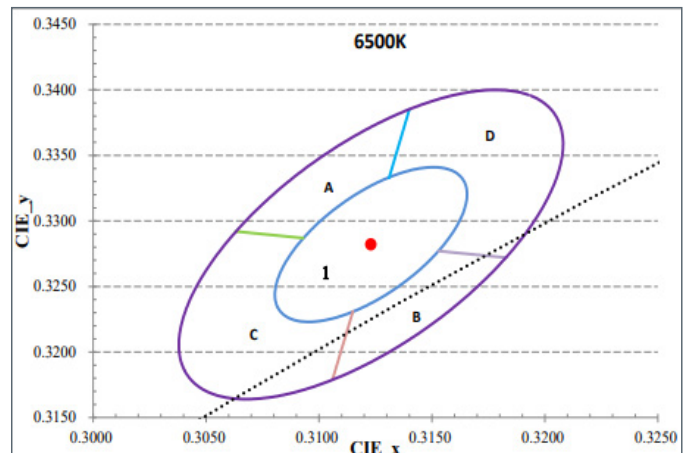
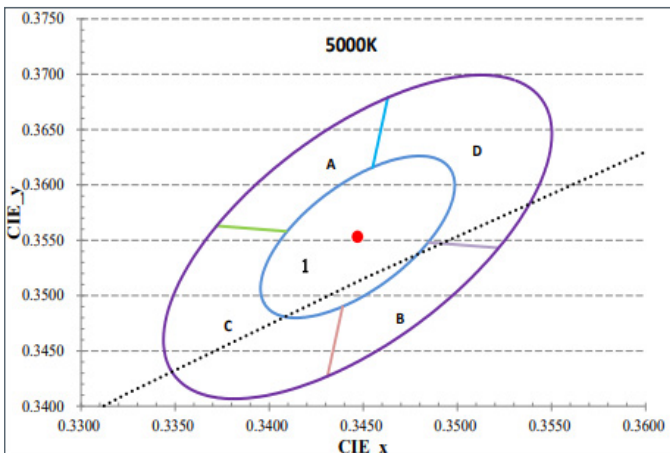
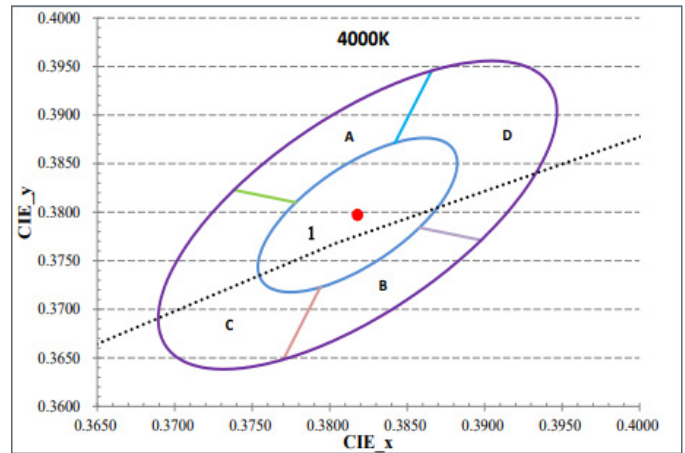
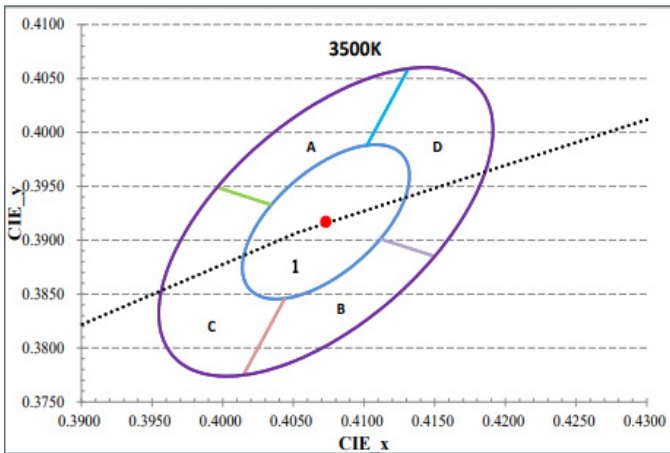
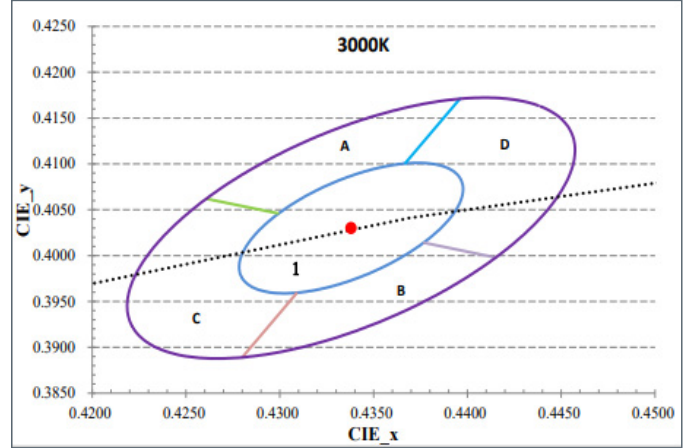
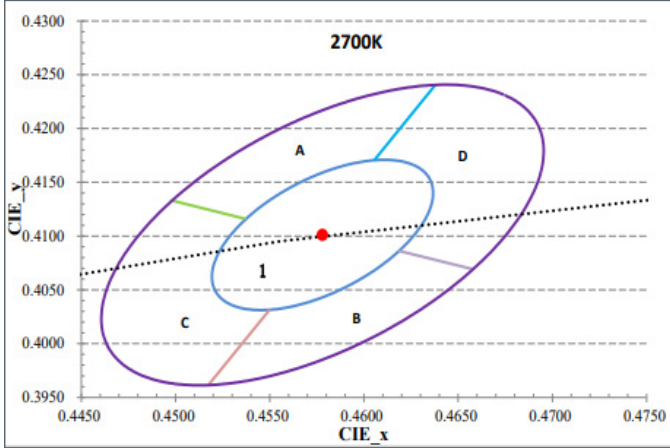
PARAMETER	SPECIFICATION
Wire Size	18-24 AWG

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, CAD files, and Reference Guides available at LUXTECH.com

COLOR BINNING INFORMATION



REQUESTING SAMPLES & PRICING

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Part Number:
LT10-06-1A000-2790

Description:
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UOM:
16.5ft reel

If customization is required, contact sales: 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