

Linear Dynamic White

Two Channel Dynamic White LED Module

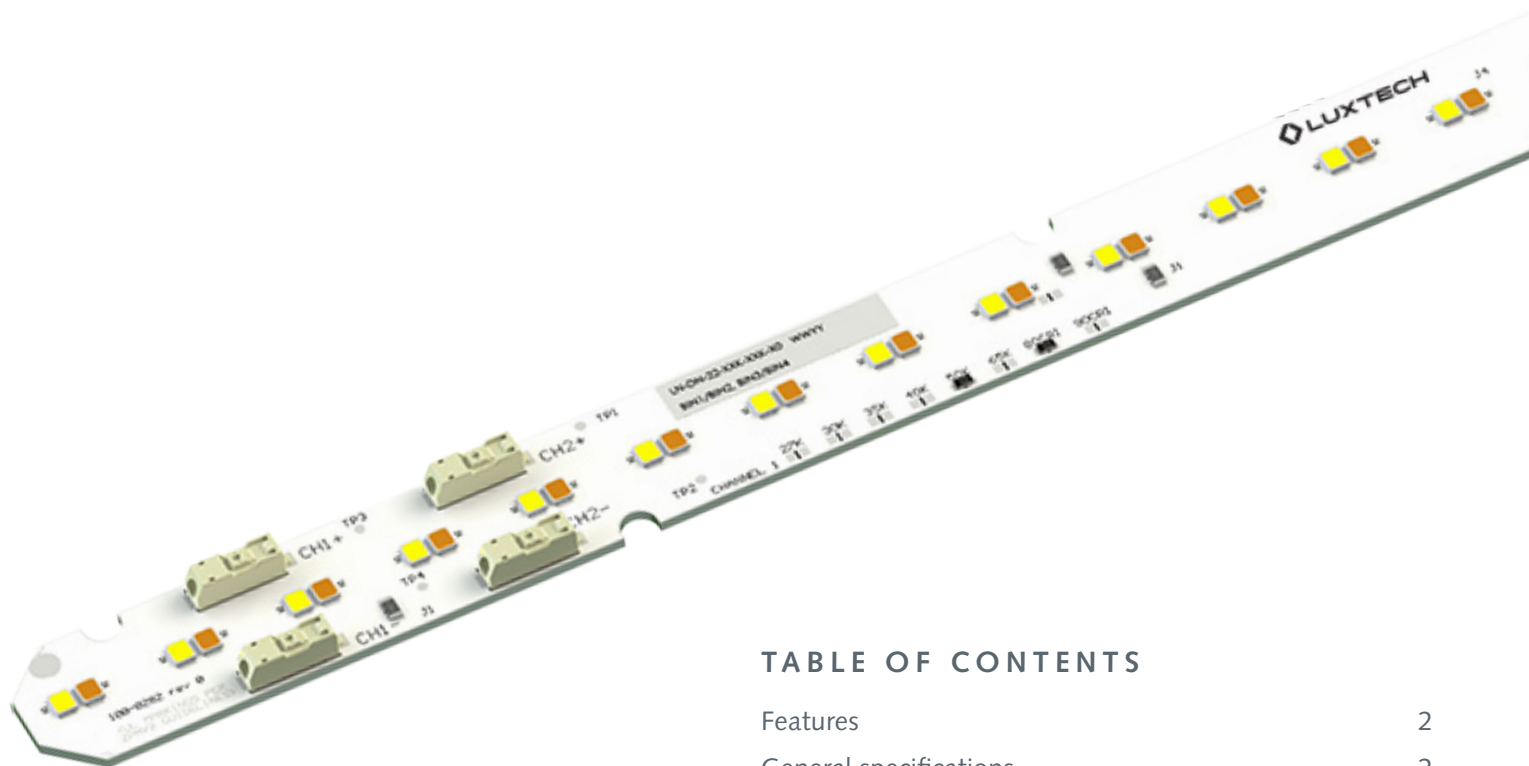


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Project ||

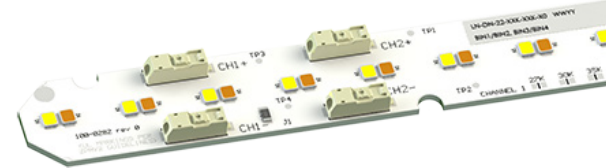
Type ||

Quantity ||

Linear Dynamic White

Two Channel Dynamic White LED Module

LUXTECH LINEAR Dynamic White is designed for real-world human-centric lighting applications. The 2-channel design provides high-quality white light without sacrificing efficacy and without the need for complex controls. The Zhaga-compliant form factor is cuttable every 5.5".



FEATURES

- » 5-Year Warranty
- » 2-channel CCTs for dynamic white applications
- » 22" Linear Zhaga Compliant Form Factor
- » Aluminum Clad MCPCB
- » Cuttable Every 5.5"
- » 0.787" Wide
- » Constant Current Input
- » 136 lm/W Nominal (2700K, 90CRI, 25°C)
- » White LEDs LM-80 Tested by Samsung
- » 3-Step McAdam Binning
- » 90 CRI Standard

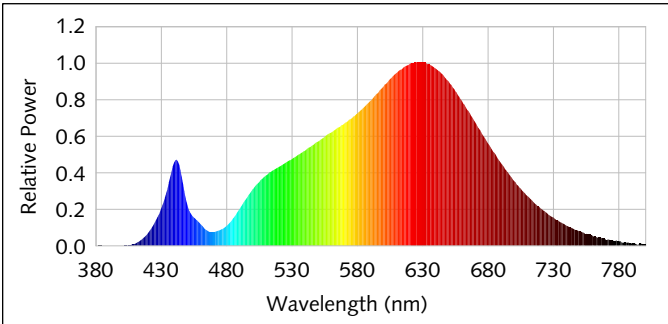
GENERAL SPECIFICATIONS

- » Forward Voltage: 26 V +/- 2.5V
- » Max Output: 2180 lm (6500K 90 CRI White LEDs)
- » Tuning Range: 27K - 65K
- » LED Pitch: 0.61"
- » Color Rendering Index: 90+
- » L70 = 50,000 hrs (Calculated, 85°C, 150mA LED current)
- » 1 oz Copper
- » 18-22 AWG Connectors
- » Beam Angle: 120°
- » Max Recommended Run Length: 8'

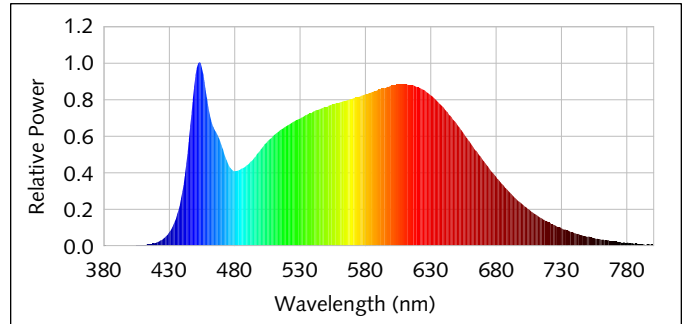
OPTICAL SPECIFICATIONS

SPECTRAL POWER DISTRIBUTION, WHITE

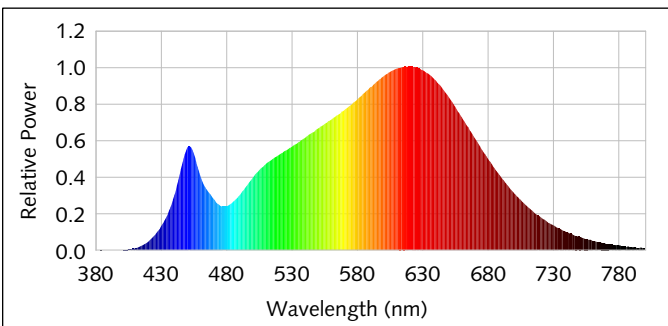
2700K 3-STEP



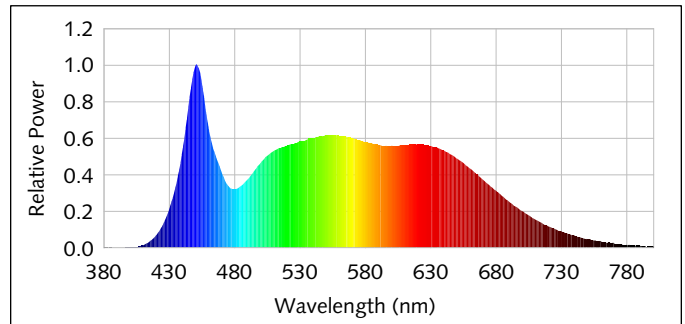
4000K 3-STEP



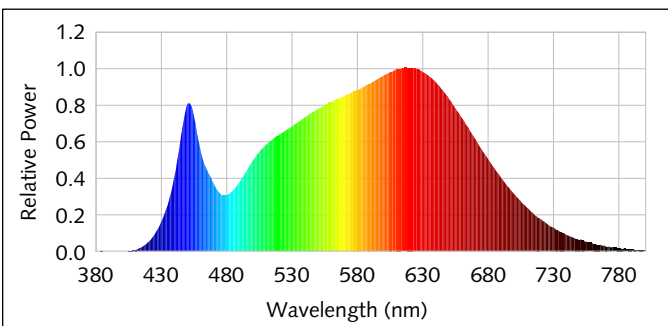
3000K 3-STEP



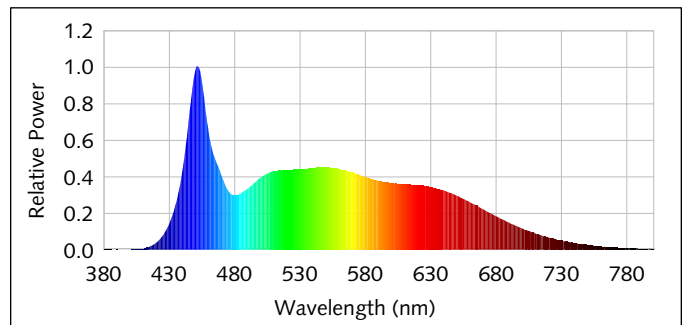
5000K 3-STEP



3500K 3-STEP



6500K 3-STEP



Project ||

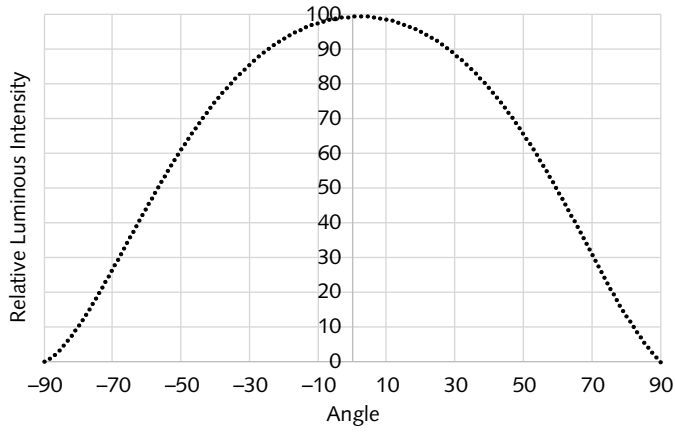
Type ||

Quantity ||

OPTICAL SPECIFICATIONS

BEAM ANGLE

WHITE



Project ||

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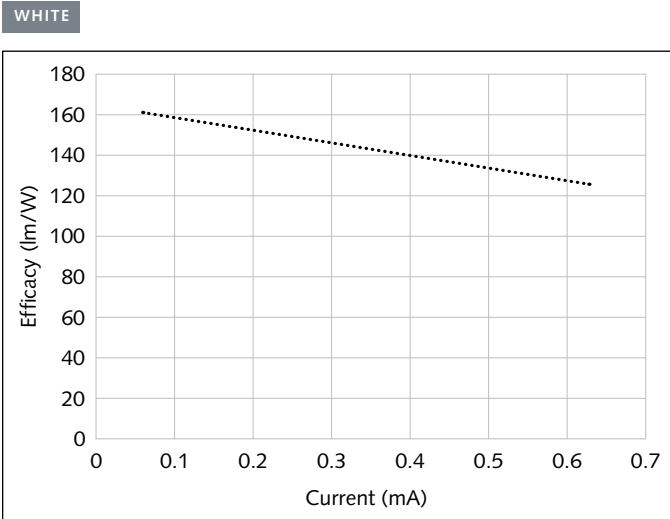
Quantity ||

ELECTRICAL CHARACTERISTICS

Assuming 27-65K 90 CRI, 25°C

WHITE					
Current (mA)	100	250	350	500	640
Voltage (V)	24.21	25.1	25.6	26.1	26.7
Flux, Warm Channel (lm)	350	860	1180	1620	1980

EFFICACY VS. CURRENT



Project ||

Type ||

Quantity ||

ABSOLUTE MAXIMUM RATINGS

WHITE

Current (mA)	640
Voltage (V)	28.7
Flux, Cool Channel (lm)	2180
Temperature (°C)	85

Project ||

Type ||

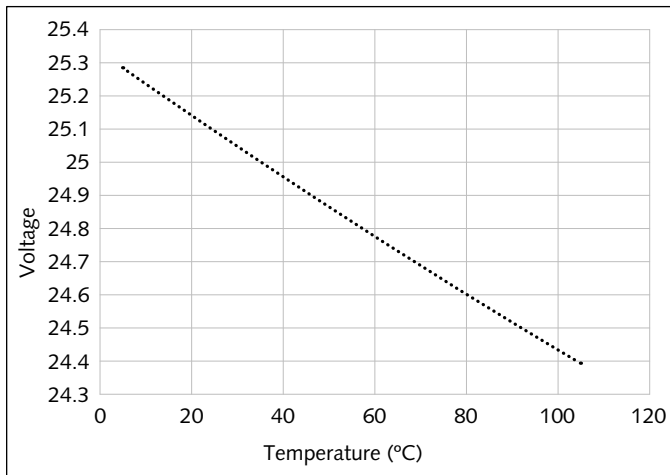
Quantity ||

DERATING

COLOR TEMPERATURE	LIGHT OUTPUT
2700K	97%
3000K	100%
3500K	106%
4000K	111%
5000K	111%
6000K	107%

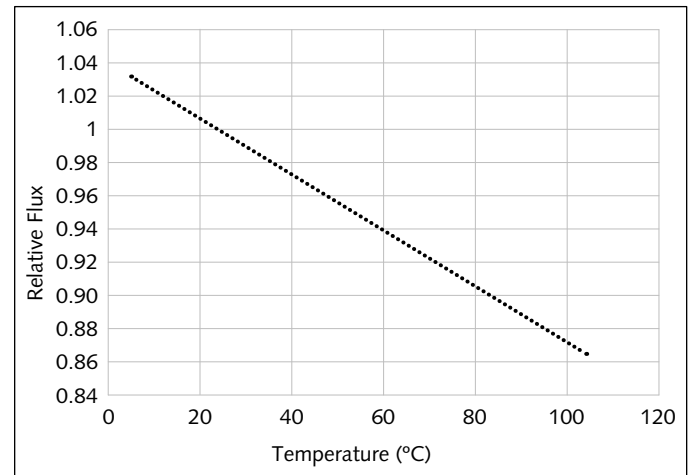
VOLTAGE VS. TEMPERATURE

WHITE



FLUX VS. TEMPERATURE

WHITE



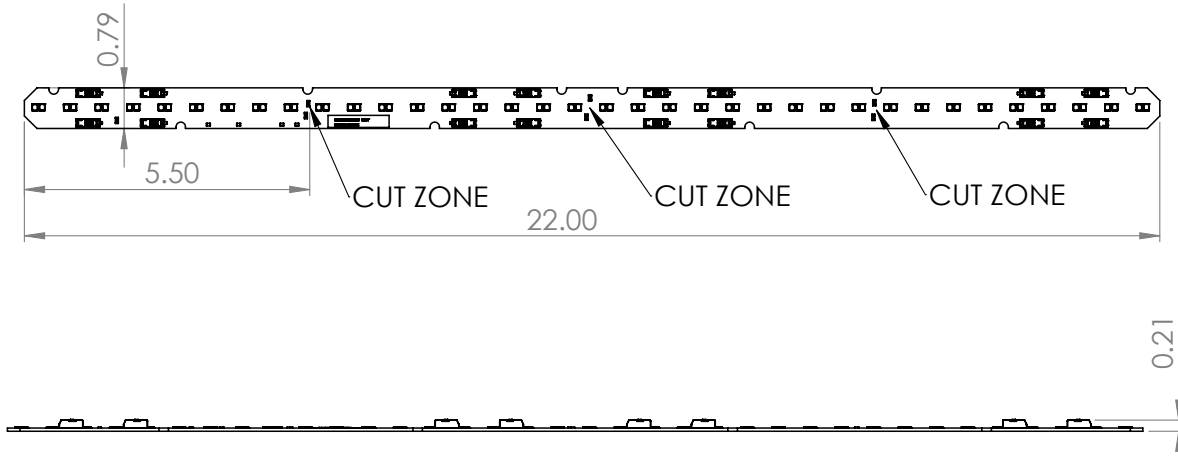
Project ||

Type ||

Quantity ||

MECHANICAL CHARACTERISTICS

TECHNICAL DRAWING



Units: Inches

PRODUCT DIMENSIONS

PARAMETER	SPECIFICATION (IN)
Length	22
Width	0.787
Thickness	0.062

WIRING

PARAMETER	SPECIFICATION
Wire Size	18-22 AWG

Project ||

Type ||

Quantity ||

ACCESSORIES AND DESIGN RESOURCES

DRIVER SELECTION

Recommended for use with the following two-channel drivers:

BRAND	MODEL	CONTROL
EldoLED	DualDrive 560/L	DALI
Moons	MU050S150BQI201	0-10V

Design resources: CAD files available at LUXTECH.com

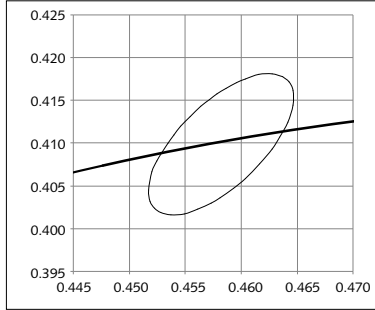
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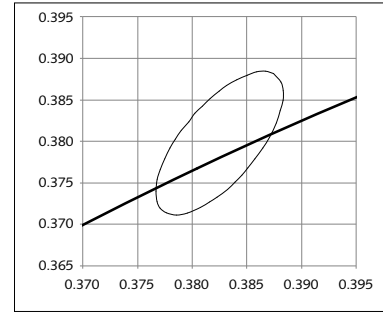
Quantity ||

COLOR BINNING INFORMATION

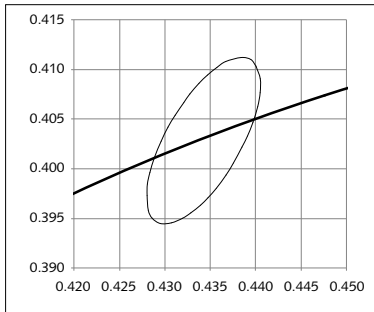
2700K 3-STEP



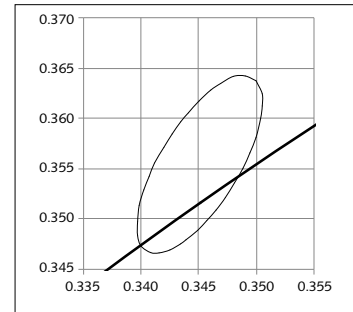
4000K 3-STEP



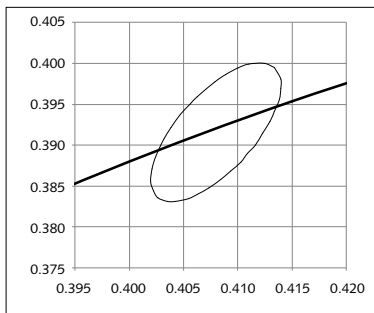
3000K 3-STEP



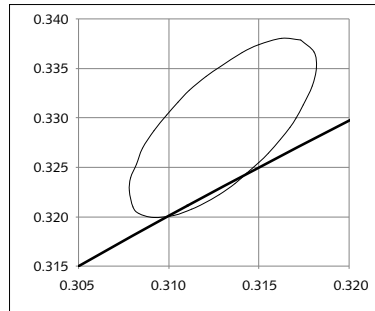
5000K 3-STEP



3500K 3-STEP



6500K 3-STEP



Project ||

Type ||

Quantity ||

ORDERING INFORMATION

PRODUCT CODES

PRODUCT	COLOR TEMP	CCT COOL	CRI
LN-DN-22	27K	27K	80
	30K	30K	90
	35K	35K	
	40K	40K	
	50K	50K	
	65K	65K	

EXAMPLE: LN-DN-22-27K-65K-90

REV. 1.1



People Centric Lighting

ABOUT LUXTECH

LUXTECH is an LED component design and manufacturing company specializing in high quality LED modules and architectural grade lighting solutions. LUXTECH is a catalyst for health and well-being through human centric lighting systems. Our inventive custom engineering for natural lighting is advancing emotional wellness and productivity with the potential for global social impact. LUXTECH is located in Philadelphia's Old City neighborhood.

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