

LIGHT ENGINE RGBWW CV

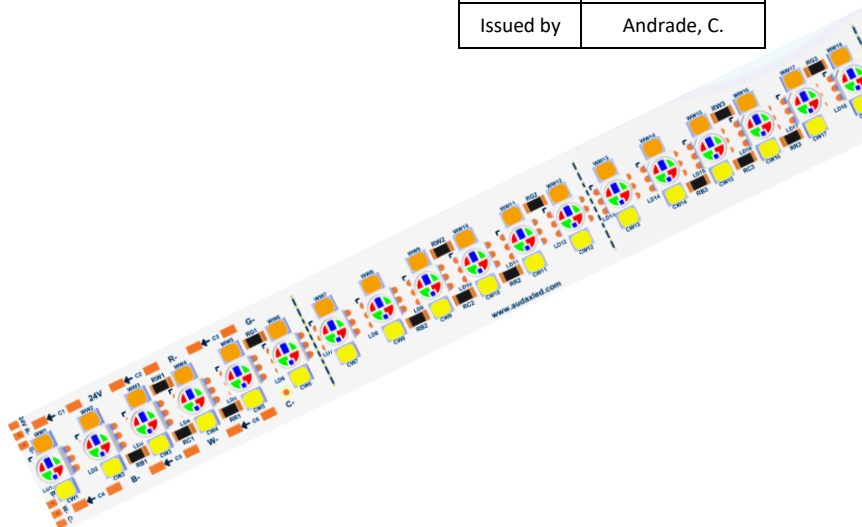
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Issued by	Andrade, C.

Applications

- Office Linear Lighting
- Pendant Light
- Troffers
- Shelf Illumination
- Linear lighting application

Characteristics

- Trimmable every 2"
- Luminous Intensity - up to 834 cd
- 05 years warranty
- 90 CRI



DRIVING SPECIFICATIONS

Parameter	Voltage (DC) / Channel	Current (mA) / Channel
LIGHT ENGINE RGBWW 1219.2X18X1,6MM	24 V	1,100 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (temperature at Tc point)	25 °C	75 °C

PRODUCT PART NUMBER

80597700100
RGBWW

LED TYPE

Manufacturer: Hongli & Cree

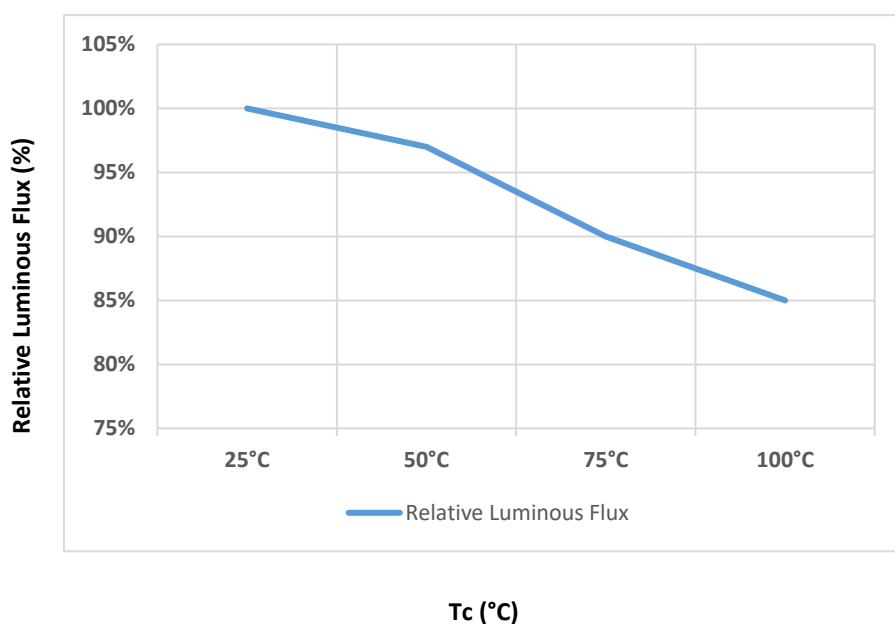
LED Series: 5050, 2835

TECHNICAL INFORMATION

Channel	LED Driver Voltage (V)	#LEDs	LUM INTENSITY 4ft (cd)	PER 2" SEGMENT (cd)	Forward Voltage (V)	LED Forward Current (mA)	T _c (°C)	Power 4ft (W)	Power Density (W/ft)	#LEDs PER 2" SEGMENT
RED	24.0	144	33	1.3	24.0	15	75	8.6	2.1	6
GREEN	24.0	144	44	1.8	24.0	20	75	9.6	2.4	6
BLUE	24.0	144	187	7.7	24.0	20	75	9.6	2.4	6
2700K	24.0	144	740	30.8	24.0	44	75	26.4	6.6	6
5000K	24.0	144	834	34.7	24.0	44	75	26.4	6.6	6

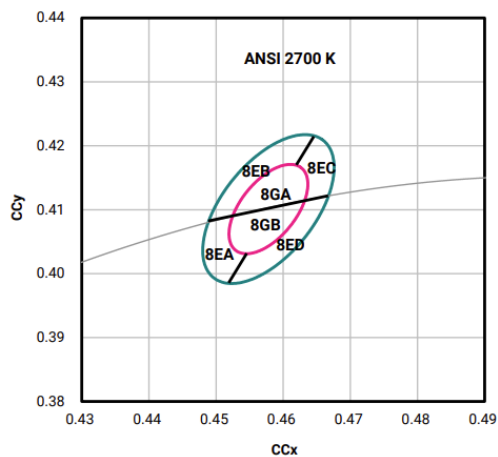
TECHNICAL GRAPHS

Luminous Flux (lm/4 ft) x Relative Intensity (%)

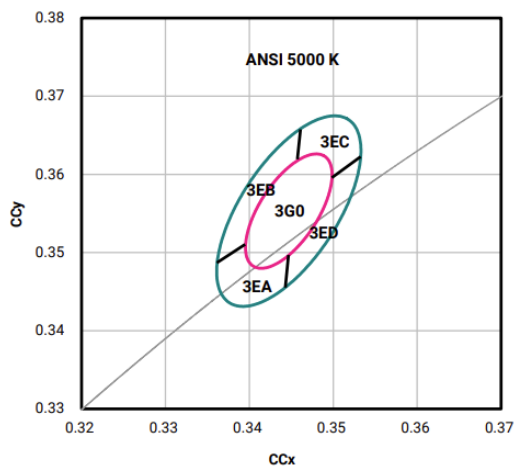


LED BINNING STRUCTURE

2,700K – 3 STEP BINS

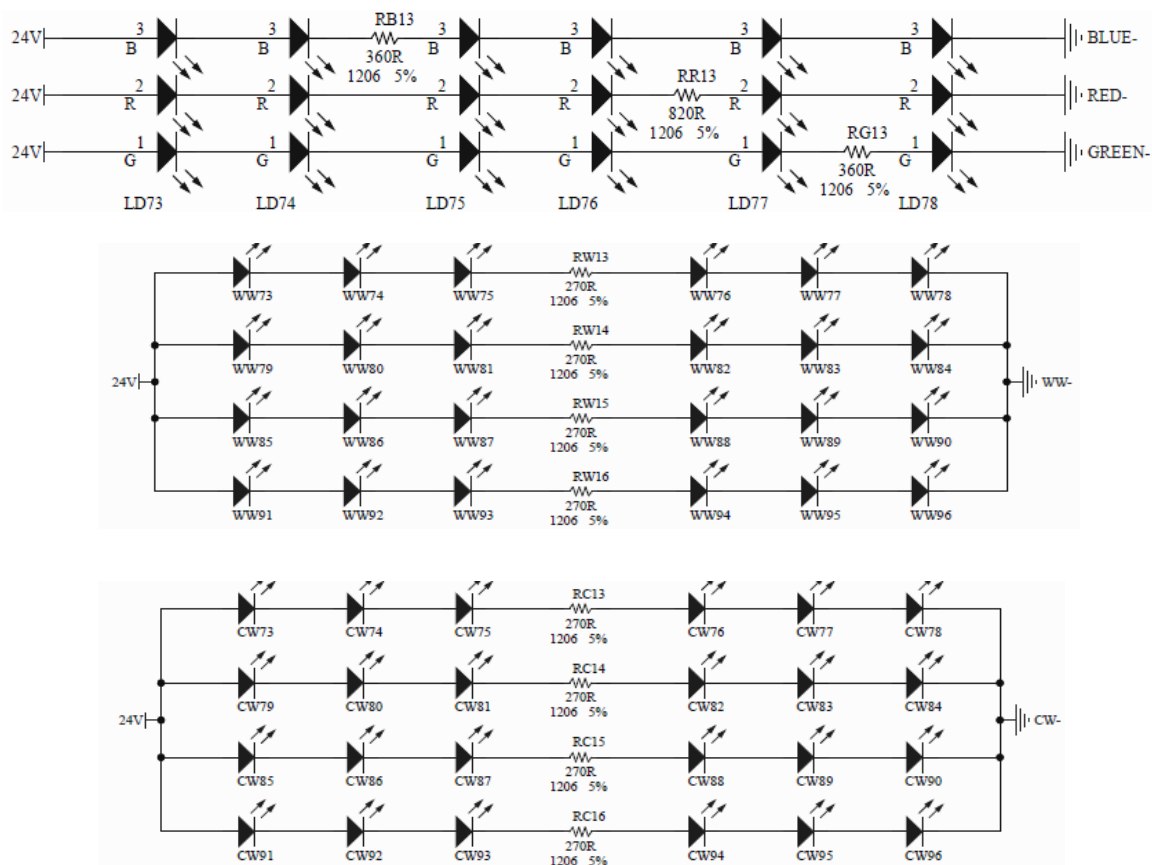


5,000K – 3 STEP BINS

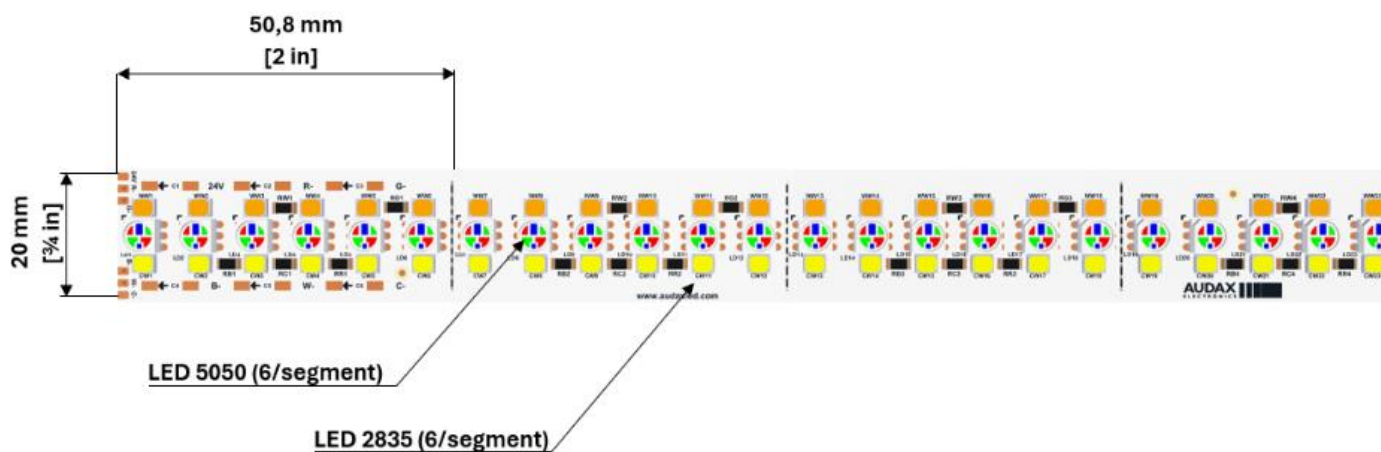


SCHEMATICS

Schematic for each segment (2''):



MECHANICAL DRAWING



WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.75 18...24	mm ² AWG	Solid wire
Input wire strip length	7.5...8.5	mm	Solid wire
Input wire cross-section	0.33...0.5 20...22	mm ² AWG	Stranded wire
Input wire strip length	7.5...8.5	mm	Stranded wire