

LIGHT ENGINE 24 LEDs STRADA IP-24 5050 147.4mm x 46.2mm

Issue Date	December, 2023
Issued by	Andrade, C.

Applications

- High-bay
- Projectors
- Decorative Poles
- Gas Station

Characteristics

- Module Efficacy – up to 216 lm/W
- L70 > 50,000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 2,200/ 2,700K / 3,000K / 4,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 24 LEDs STRADA IP-24 5050 147.4mm x 46.2mm	1050 mA	2400 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	75 °C	85 °C

PRODUCT PART NUMBER

80571900100	80571800100	80571700100	80571600100
2,200K	2,700K	3,000K	4,000K

LED TYPE

Manufacturer: Cree

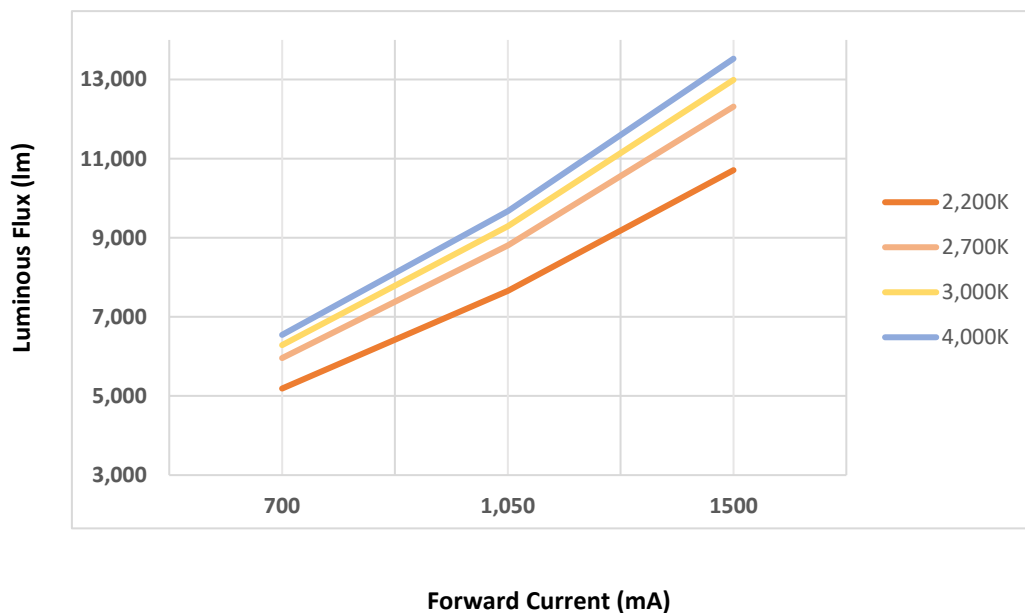
LED Series: J Series E 5050

TECHNICAL INFORMATION

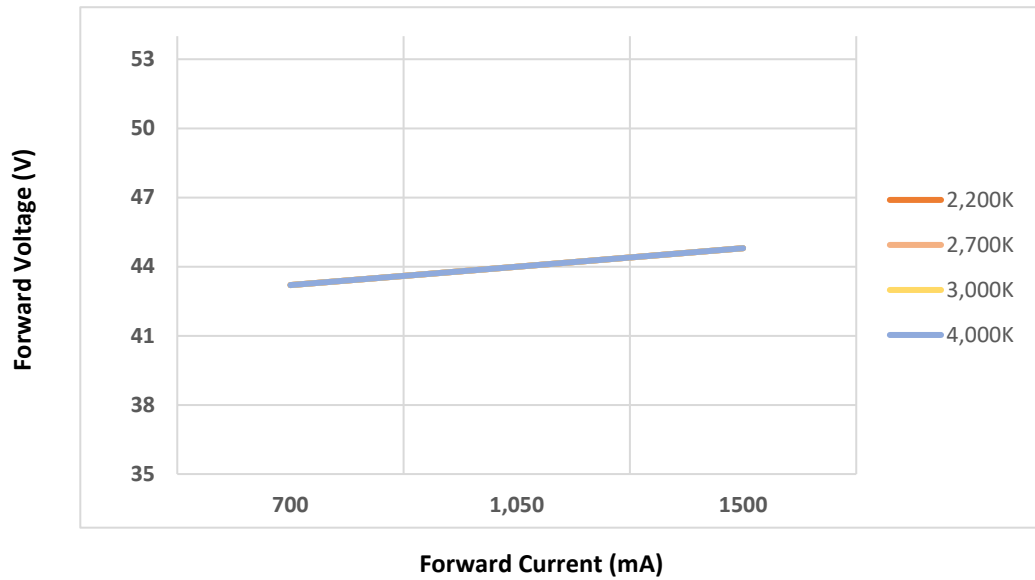
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,200K	700	24	5,188	43.2	233	75	30.2	171
2,200K	1,050	24	7,657	44.0	350	75	46.2	165
2,200K	1,500	24	10,708	44.8	500	75	67.2	159
2,700K	700	24	5,958	43.2	233	75	30.2	197
2,700K	1,050	24	8,806	44.0	350	75	46.2	190
2,700K	1,500	24	12,314	44.8	500	75	67.2	183
3,000K	700	24	6,286	43.2	233	75	30.2	145
3,000K	1,050	24	9,290	44.0	350	75	46.2	201
3,000K	1,500	24	12,990	44.8	500	75	67.2	193
4,000K	700	24	6,545	43.2	233	75	30.2	216
4,000K	1,050	24	9,673	44.0	350	75	46.2	209
4,000K	1,500	24	13,526	44.8	500	75	67.2	201

TECHNICAL GRAPHS

Luminous Flux (lm) x Forward Current (mA) (T_J 75°C)

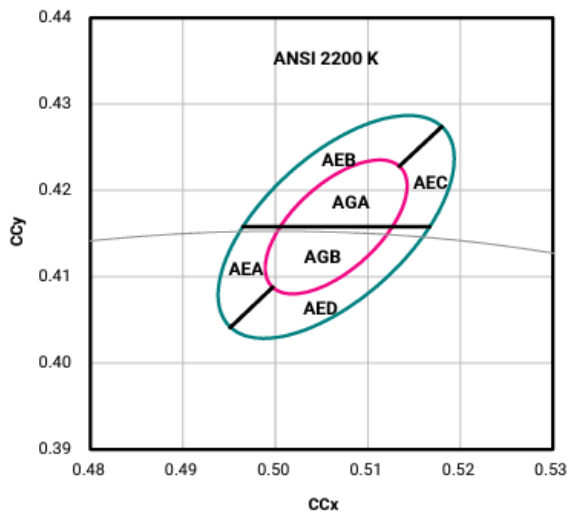


Forward Voltage (V) x Forward Current (mA) (T_J 75°C)

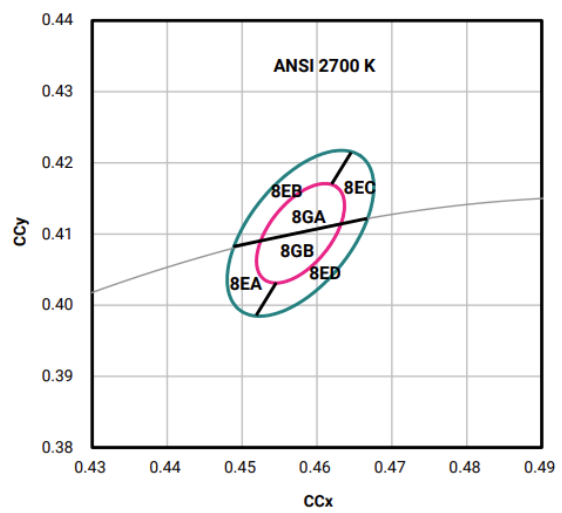


LED BINNING STRUCTURE

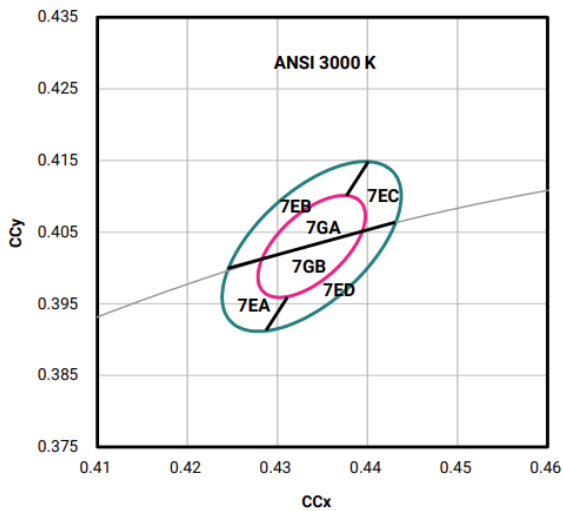
2,200K – 3 STEP BINS



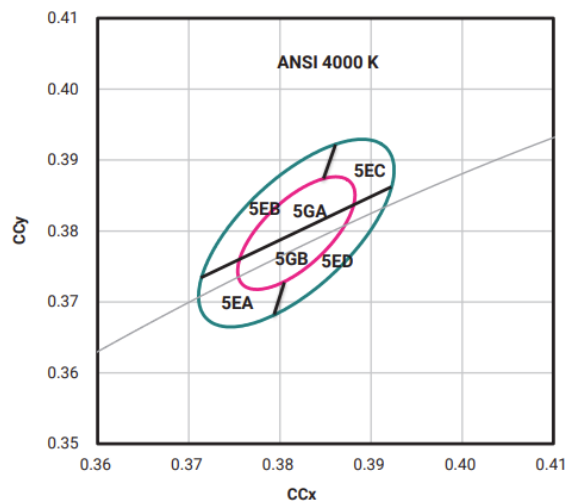
2,700K – 3 STEP BINS



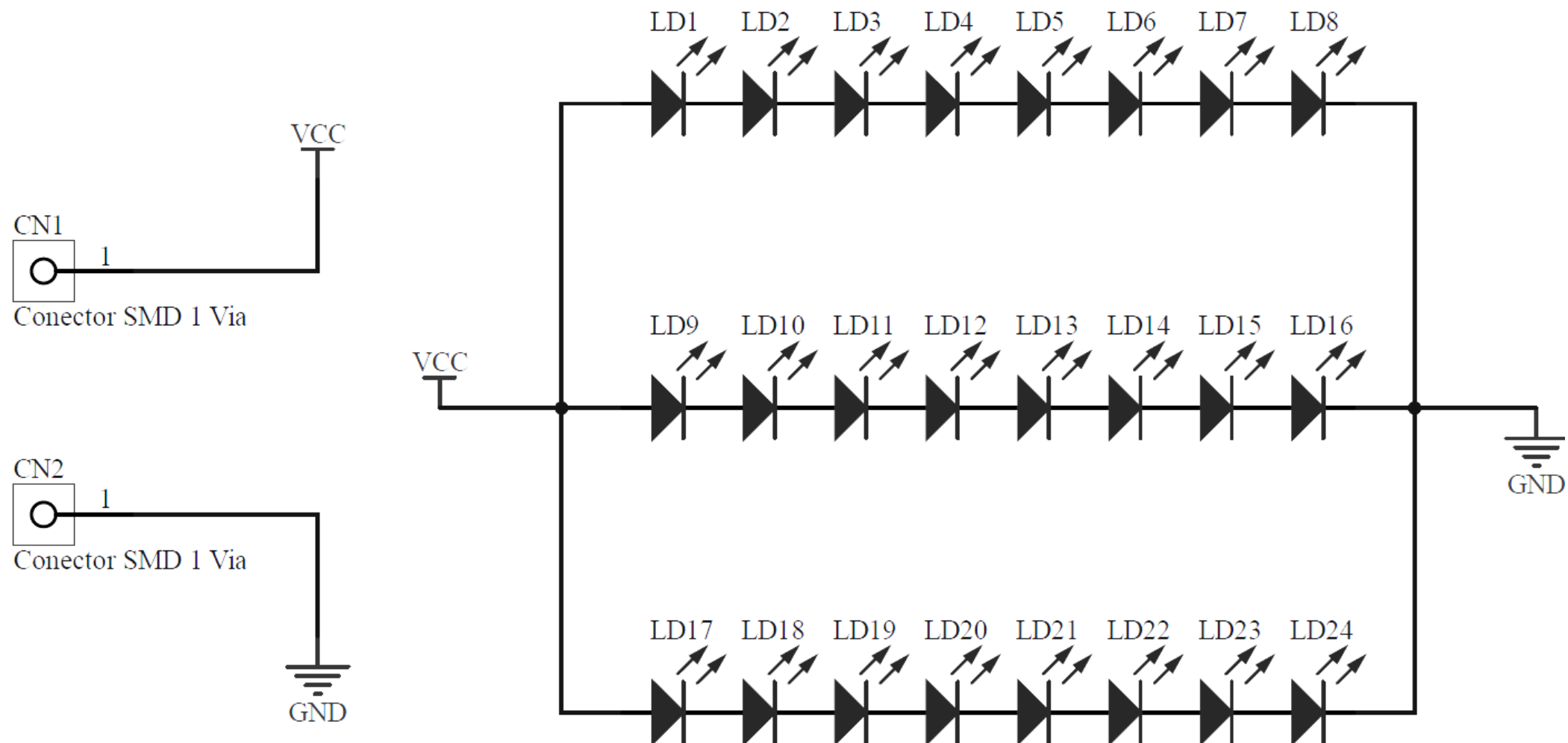
3,000K – 3 STEP BINS

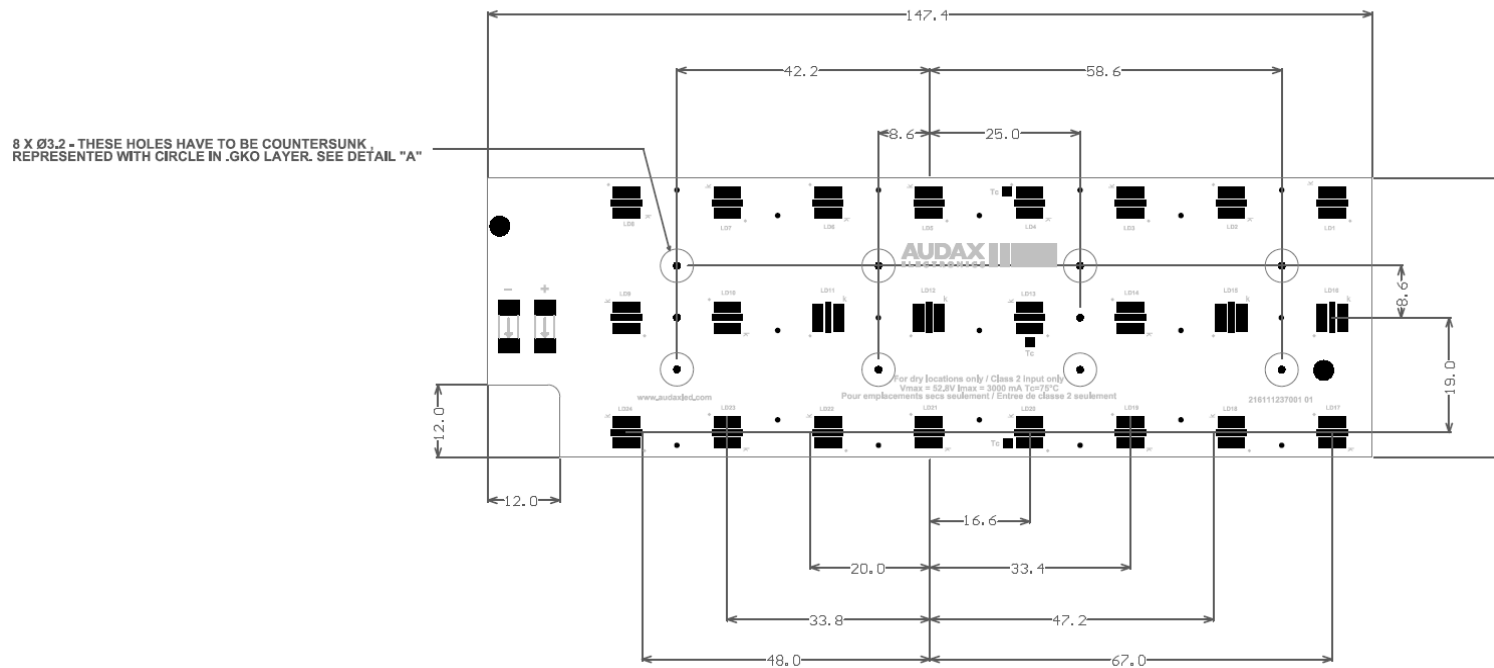


4,000K – 3 STEP BINS

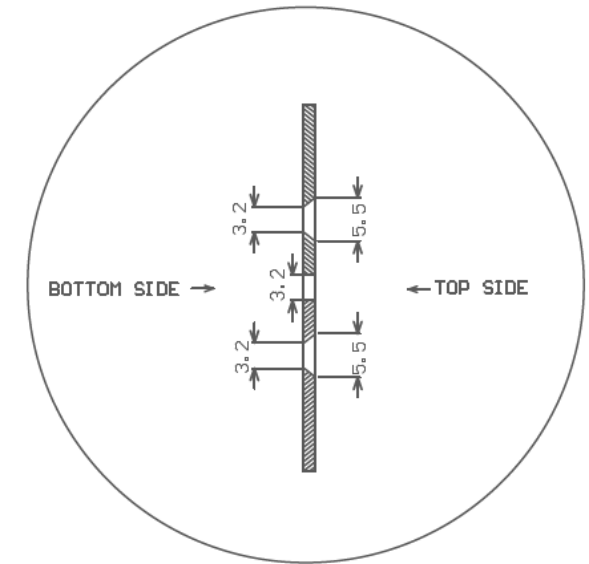


SCHEMATICS



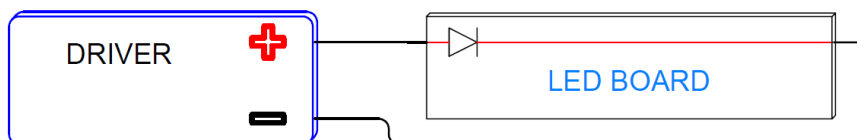


Detail "A" Left View (scale 1:1)
Holes specification



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



COMPATIBLE OPTICS

Manufacturer	Part Number	Color
LEDiL	C17832_STRADA-IP-24-T2-M-NH-PC	Clear
LEDiL	CS17757_STRADA-IP-24-T2-M-PC	Clear
LEDiL	CS17758_STRADA-IP-24-T3-M-PC	Clear
LEDiL	CS17760_STRADA-IP-24-DWC-PC	Clear
LEDiL	CS17761_STRADA-IP-24-VSM-PC	Clear
LEDiL	CS18051_STRADA-IP-24-DWC	Clear
LEDiL	CS18220_STRADA-IP-24-VSM	Clear
LEDiL	CS18284_STRADA-IP-24-T2-M	Clear
LEDiL	CS18286_STRADA-IP-24-T4-B	Clear