

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 189 lm/W
- L70 > 50,000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 2,700/ 3000K / 4000K / 5000K
- 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

80572100100	80396000100	80396100100	80396300100
2,700K	3,000K	4,000K	5,000K

LED TYPE

Manufacturer: Cree

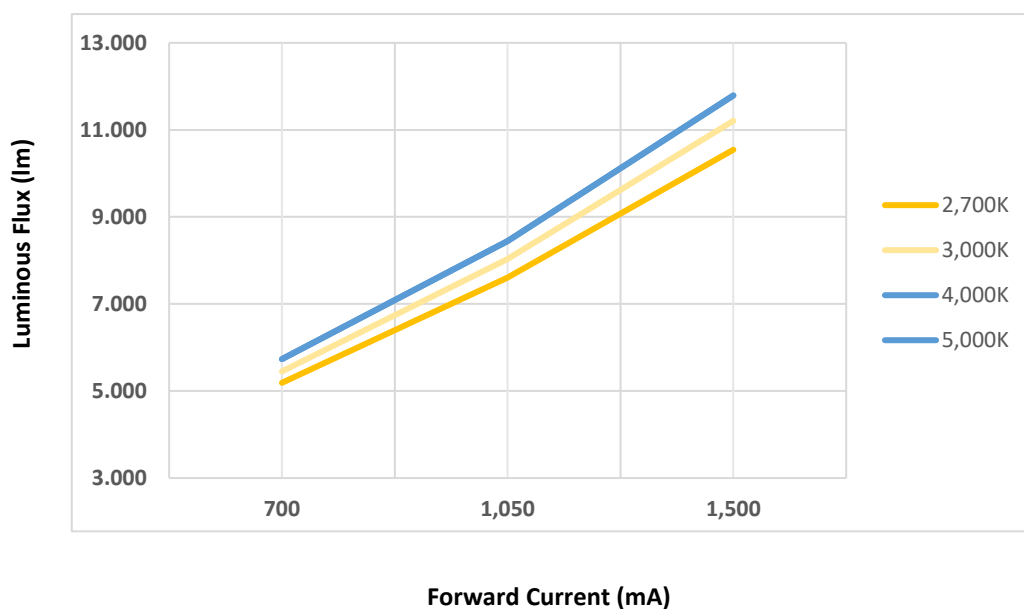
LED Series: J Series 5050

TECHNICAL INFORMATION

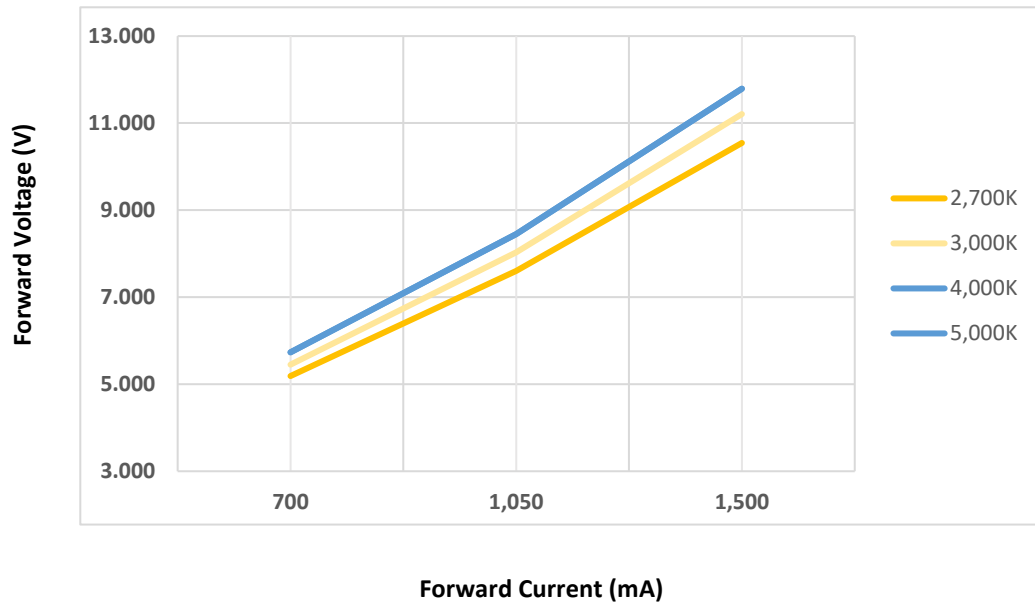
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,700K	700	24	5,188	43.2	233	75	30.3	171
2,700K	1,050	24	7,607	44.8	350	75	46.5	163
2,700K	1,500	24	10,544	46.4	500	75	68.0	155
3,000K	700	24	5,450	43.3	233	75	30.3	180
3,000K	1,050	24	8,030	44.2	350	75	46.5	173
3,000K	1,500	24	11,208	45.4	500	75	68.0	165
4,000K	700	24	5,733	43.3	233	75	30.3	189
4,000K	1,050	24	8,447	44.2	350	75	46.5	182
4,000K	1,500	24	11,791	45.4	500	75	68.0	173
5,000K	700	24	5,733	43.3	233	75	30.3	189
5,000K	1,050	24	8,447	44.2	350	75	46.5	181
5,000K	1,500	24	11,791	45.4	500	75	68.0	173

TECHNICAL GRAPHS

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

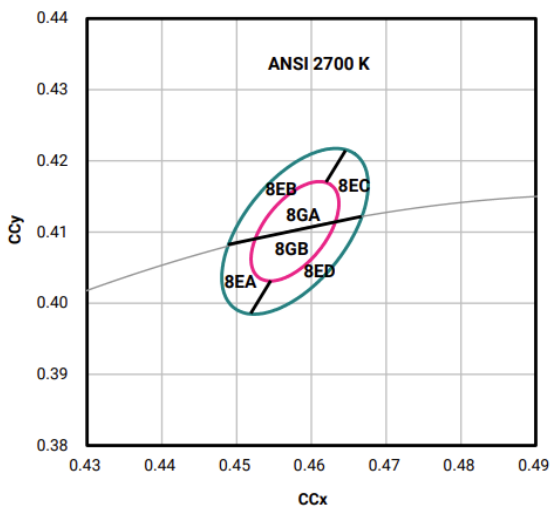


Forward Voltage (V) x Forward Current (mA) (T_J 75°C)

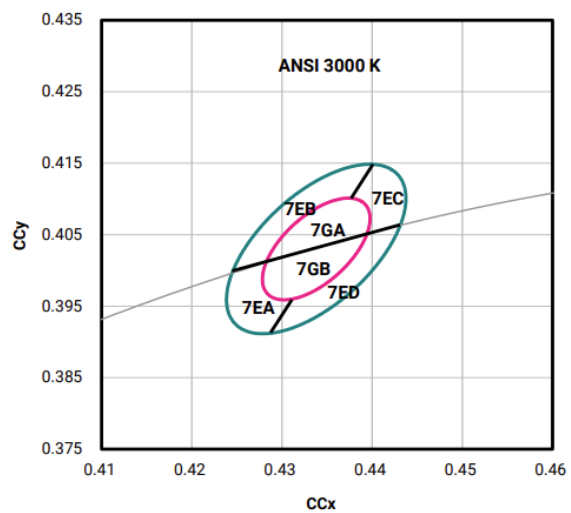


LED BINNING STRUCTURE

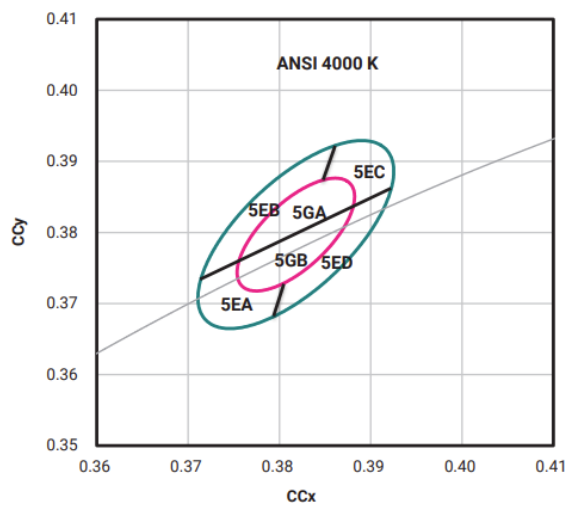
2,700K – 3 STEP BINS



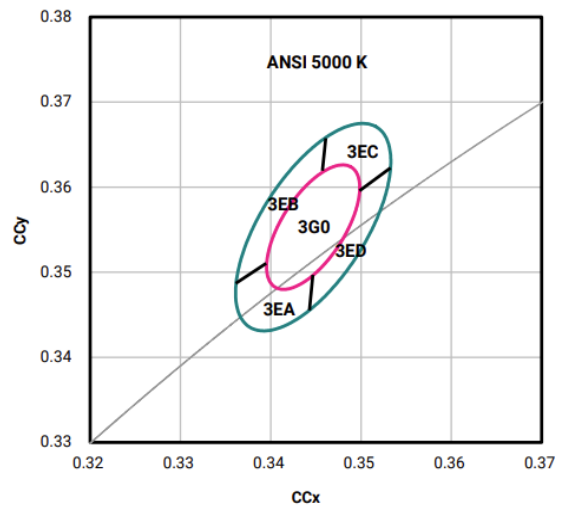
3,000K – 3 STEP BINS

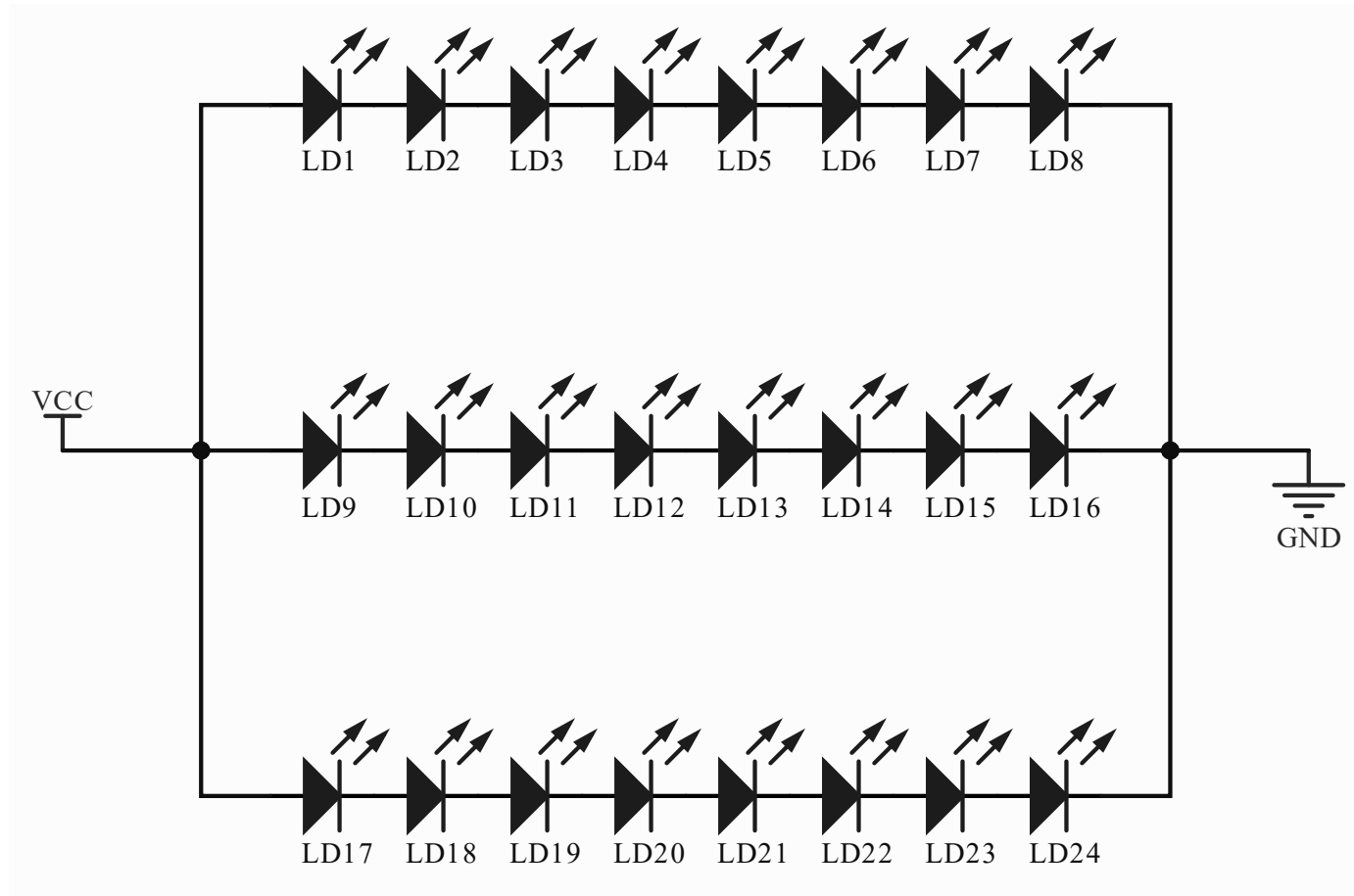


4,000K – 3 STEP BINS

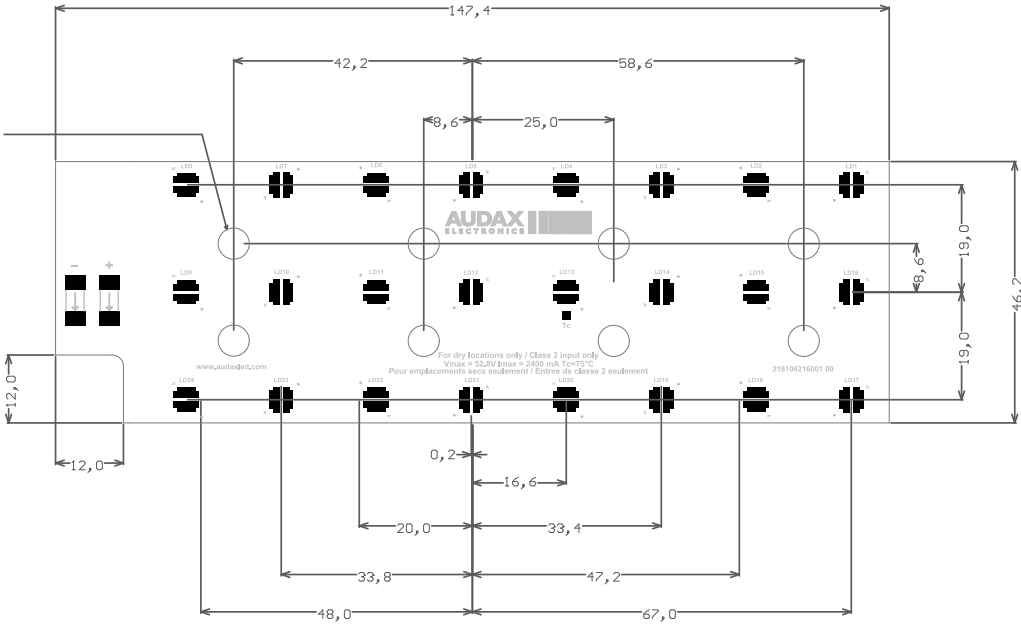


5,000K – 3 STEP BINS

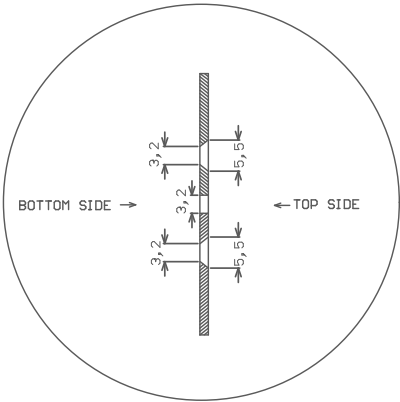




8 X Ø3.2 - THESE HOLES HAVE TO BE COUNTERSUNK.
REPRESENTED WITH CIRCLE IN .GKO LAYER. SEE DETAIL "A"



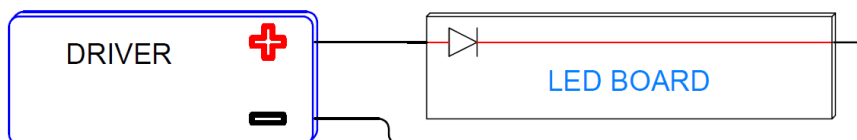
Detail "A" Left View (scale 1:1)
Holes specification



Unit: mm

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