

LIGHT ENGINE Ø152.4X1,6mm

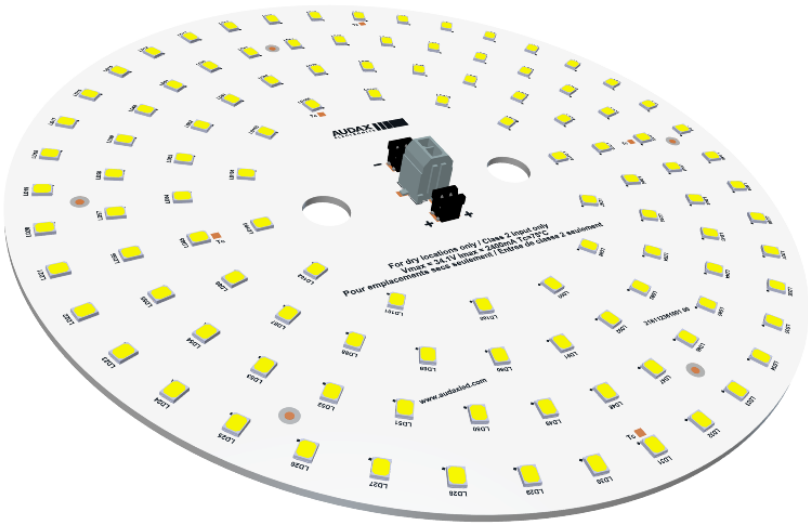
Issue Date	May – 2024
Issued by	Andrade C.

Application

- Point lights
- Downlights
- Optical fiber

Characteristics

- Module Efficacy – up to 185lm/W
- L70 > 60.000 hours
- CRI > 90
- 03 SDCM
- CCTs 2,700K/ 3,000K/ 4,000K
- 05 years warranty



DRIVE PARAMETERS

Parameter	Nominal	Max
I _{board} (Current)	1700mA	2400mA
V _{board} (Voltage)	30,6 V	34,1V

MODULE TEMPERATURES

Parameter	Nominal	Max
T _c (case temperature at T _c point)	60 °C	85 °C

PRODUCT PART NUMBER

90 CRI		
TDB	80623800100	TDB
2700K	3000K	4000K

LED TYPE

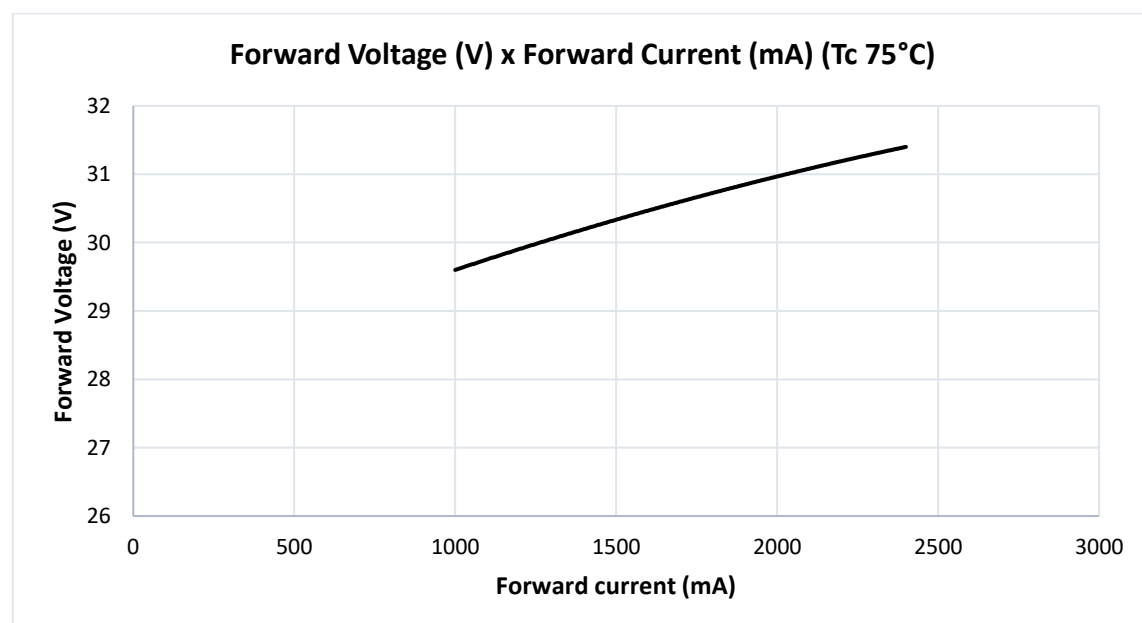
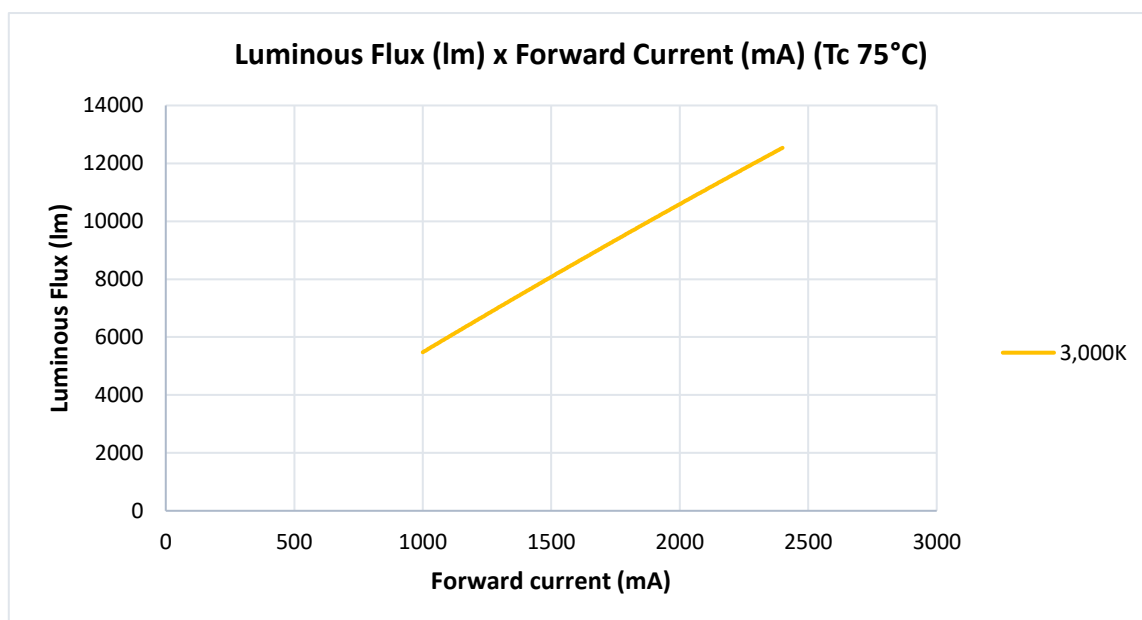
Manufacturer: Cree

LED Series: J Series® 2835 JB2835BWT PRO9

TECHNICAL INFORMATION

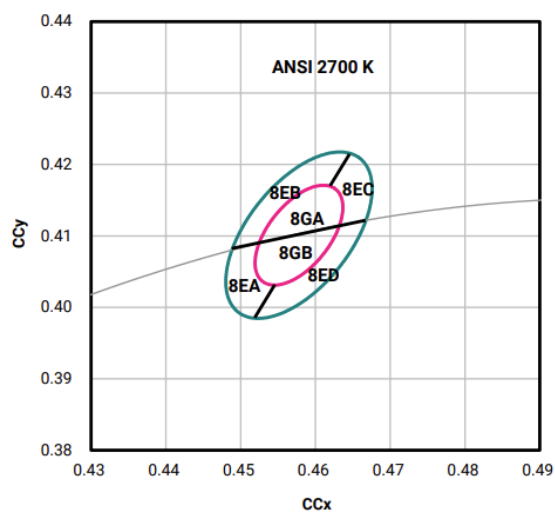
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2,700 K	1000	110	5,254	29.6	100	75	29.6	177
2,700 K	1700	110	8,726	30.6	170	75	52.0	168
2,700 K	2400	110	12,028	31.4	240	75	75.3	160
3,000 K	1000	110	5,476	29.6	100	75	29.6	185
3,000 K	1700	110	9,095	30.6	170	75	52.0	175
3,000 K	2400	110	12,536	31.4	240	75	75.3	166
4,000 K	1000	110	5,772	29.6	100	75	29.6	196
4,000 K	1700	110	9,586	30.6	170	75	52.0	184
4,000 K	2400	110	13,214	31.4	240	75	75.3	175

TECHNICAL GRAPHS

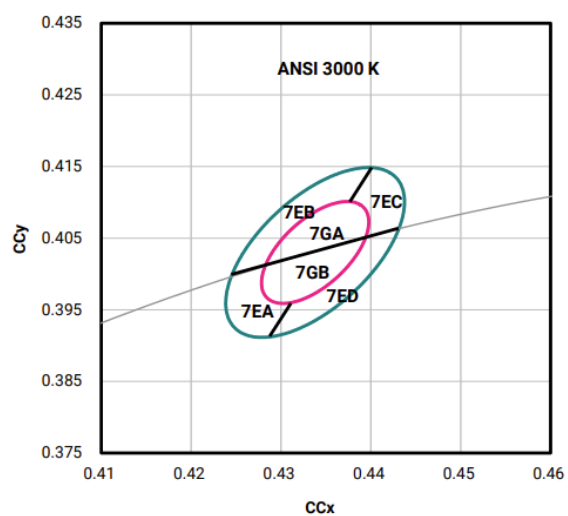


LED BINNING STRUCTURE

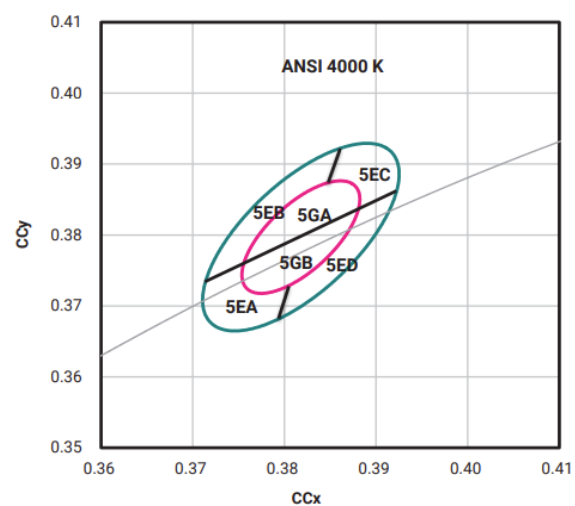
2,700K – 3 STEP BINS



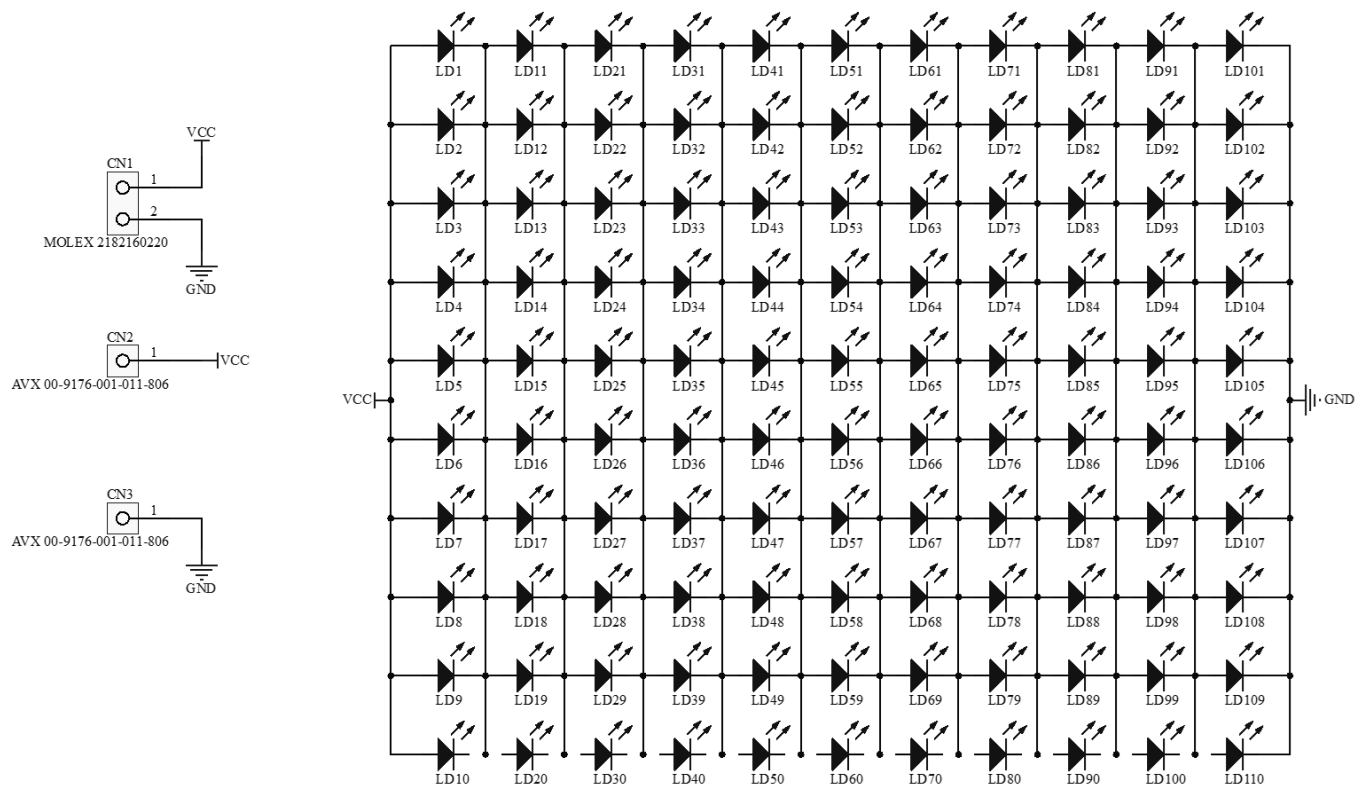
3,000K – 3 STEP BINS



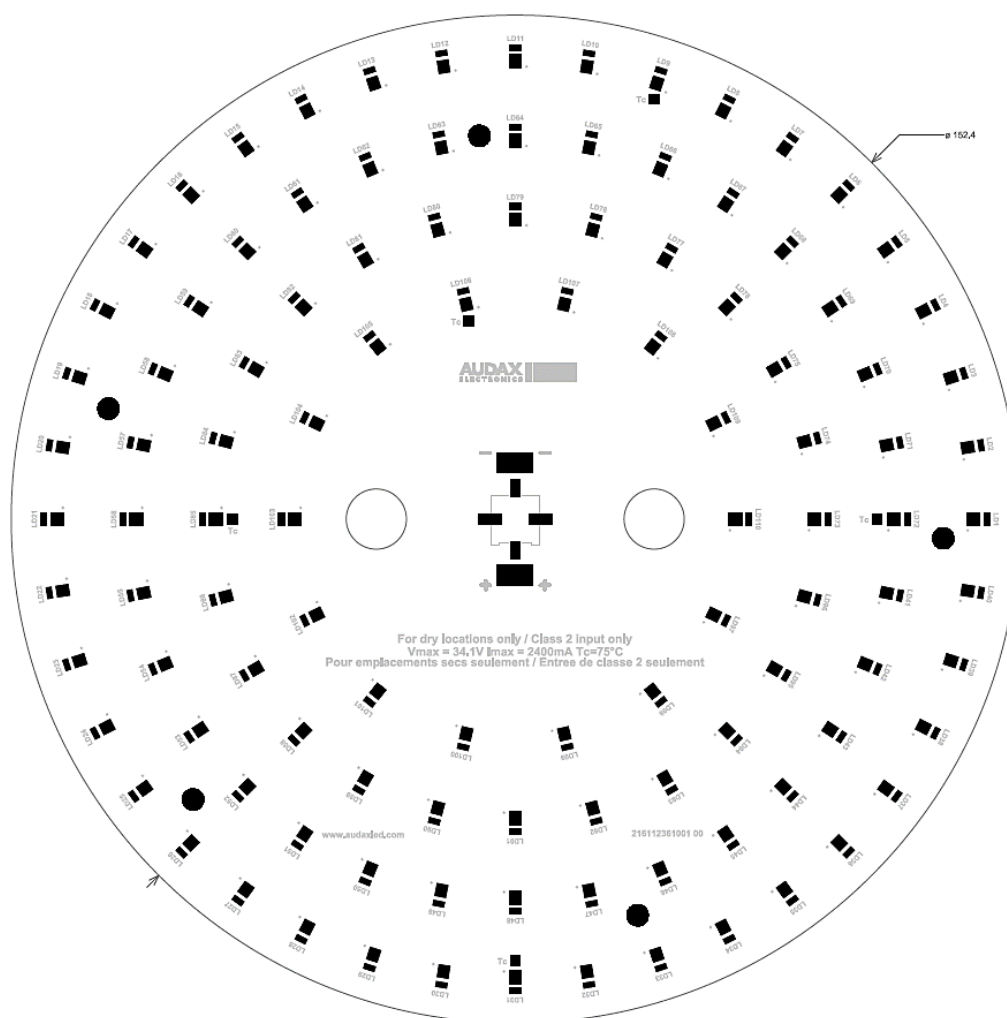
4,000K – 3 STEP BINS



SCHEMATICS



MECHANICAL DRAWING

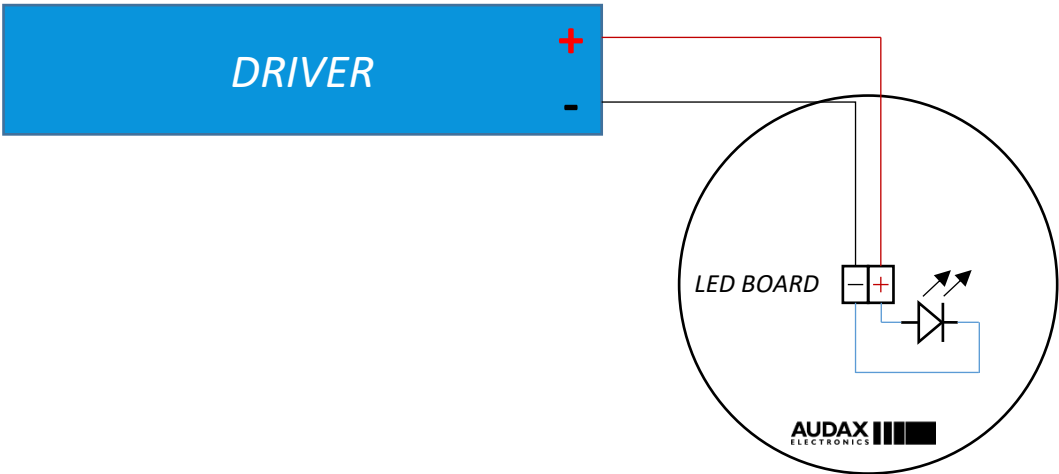


Unit: mm

WIRING

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

DRIVER FOR 1 LIGHT ENGINES:



RASTREABILITY

80XXXXXXXXX CCC ZZZZZ-Z SSSS BBBB WW/YY

CODE	MEANING
80XXXXXXXXXX	Audax PN
CCC	CRI/CCT
ZZZZZ-Z	Audax Order
SSSS	Sequential individual code
BBBB	Bin
MM	Week number
YY	Year

REVISION HISTORY

VERSION	ENGINEER IN CHARGE	DATE	CHANGE
00	CFA	May, 09, 2024	Release