

LIGHT ENGINE 168 LEDs 13"Ø SLP LC

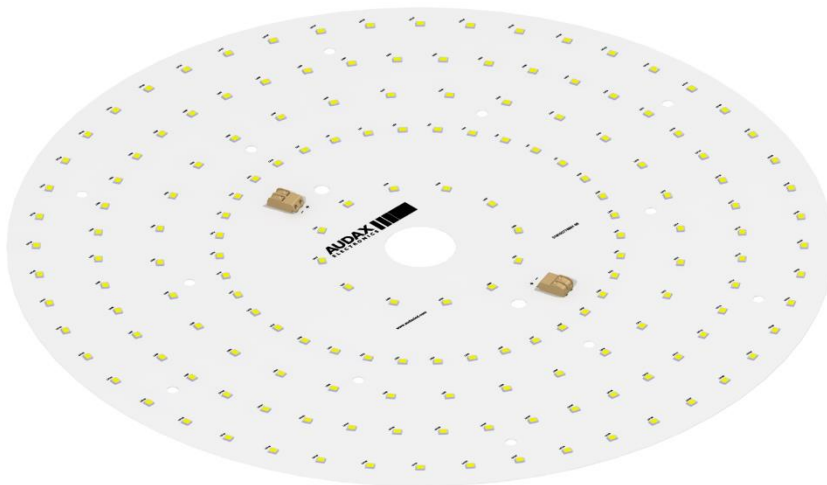
Issue Date	September, 2019
Issued by	Malassise, V.

Applications

- Industrial Lighting
- Outdoor Lighting
- Highbay
- Ex-Areas

Characteristics

- Module Efficacy – up to 145 lm/W
- L70 > 50.000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs 3,000K / 4,000K / 5,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 168 LEDs 13"Ø SLP LC	2,520 mA	2,800 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80XXXX	80212300100	80XXXX
3,000 K	4,000 K	5,000 K

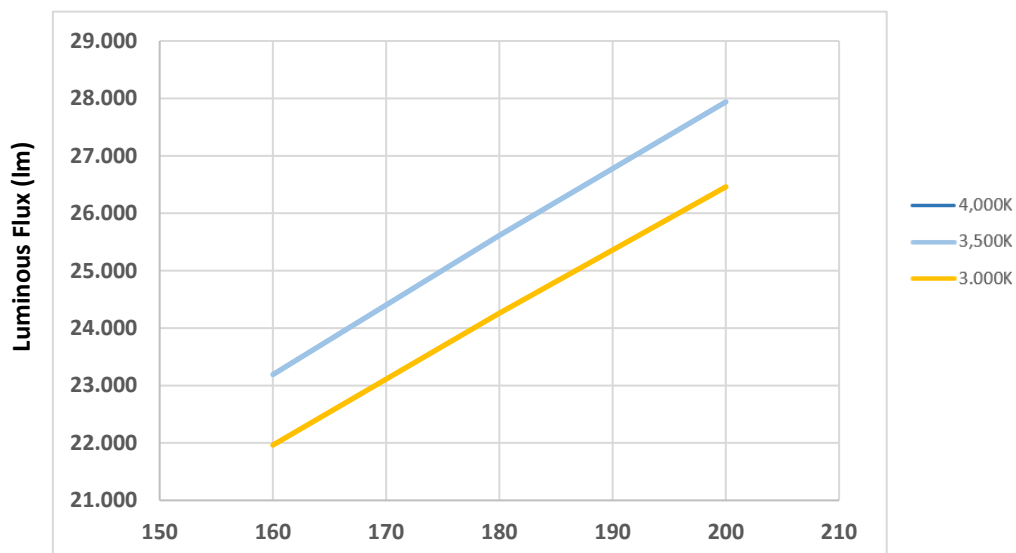
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)*	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)**
3,000 K	2,240	168	21,963	35.7	160	75	159.9	137.3
3,000 K	2,520	168	24,258	36.3	180	75	183.0	132.6
3,000 K	2,800	168	26,460	36.9	200	75	206.7	128.0
4,000 K	2,240	168	23,191	35.7	160	75	159.9	145.0
4,000 K	2,520	168	25,615	36.3	180	75	183.0	140.0
4,000 K	2,800	168	27,940	36.9	200	75	206.7	135.2
5,000 K	2,240	168	23,191	35.7	160	75	159.9	145.0
5,000 K	2,520	168	25,615	36.3	180	75	183.0	140.0
5,000 K	2,800	168	27,940	36.9	200	75	206.7	135.2

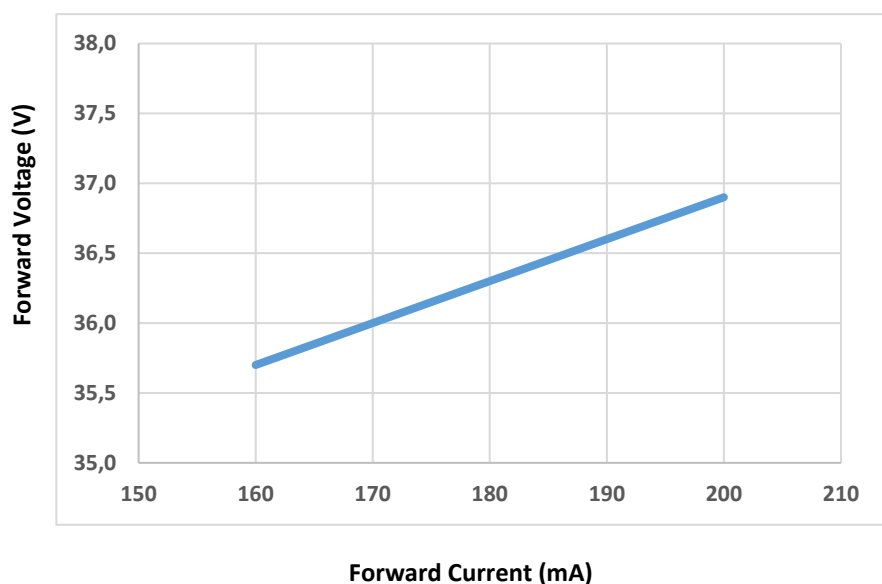
* Current levels per driver. This light engine uses 2 drivers.

** Values without optical and electrical losses.

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



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

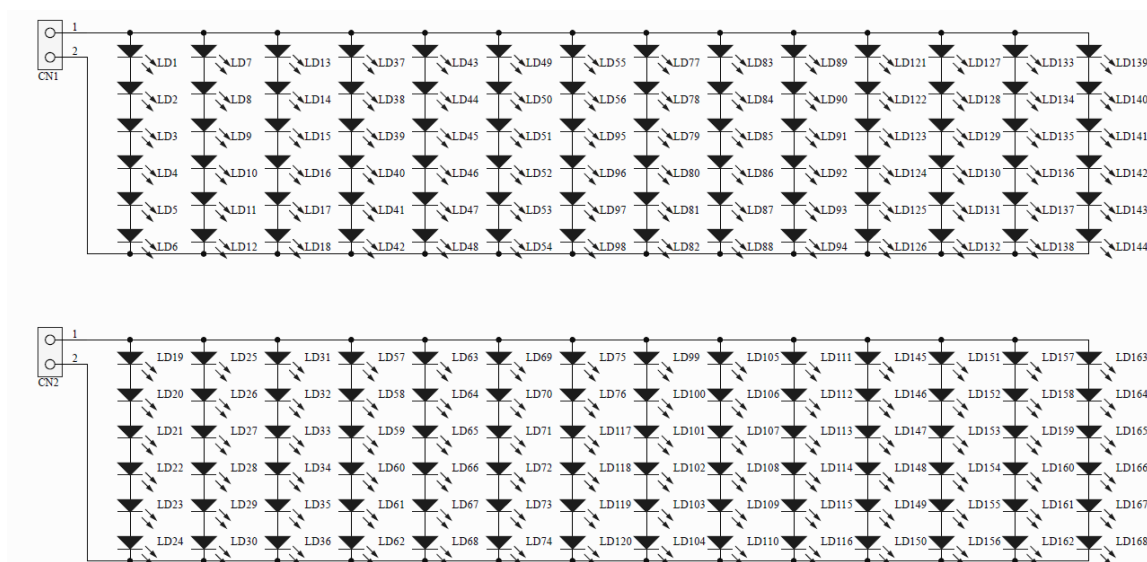


LED TYPE

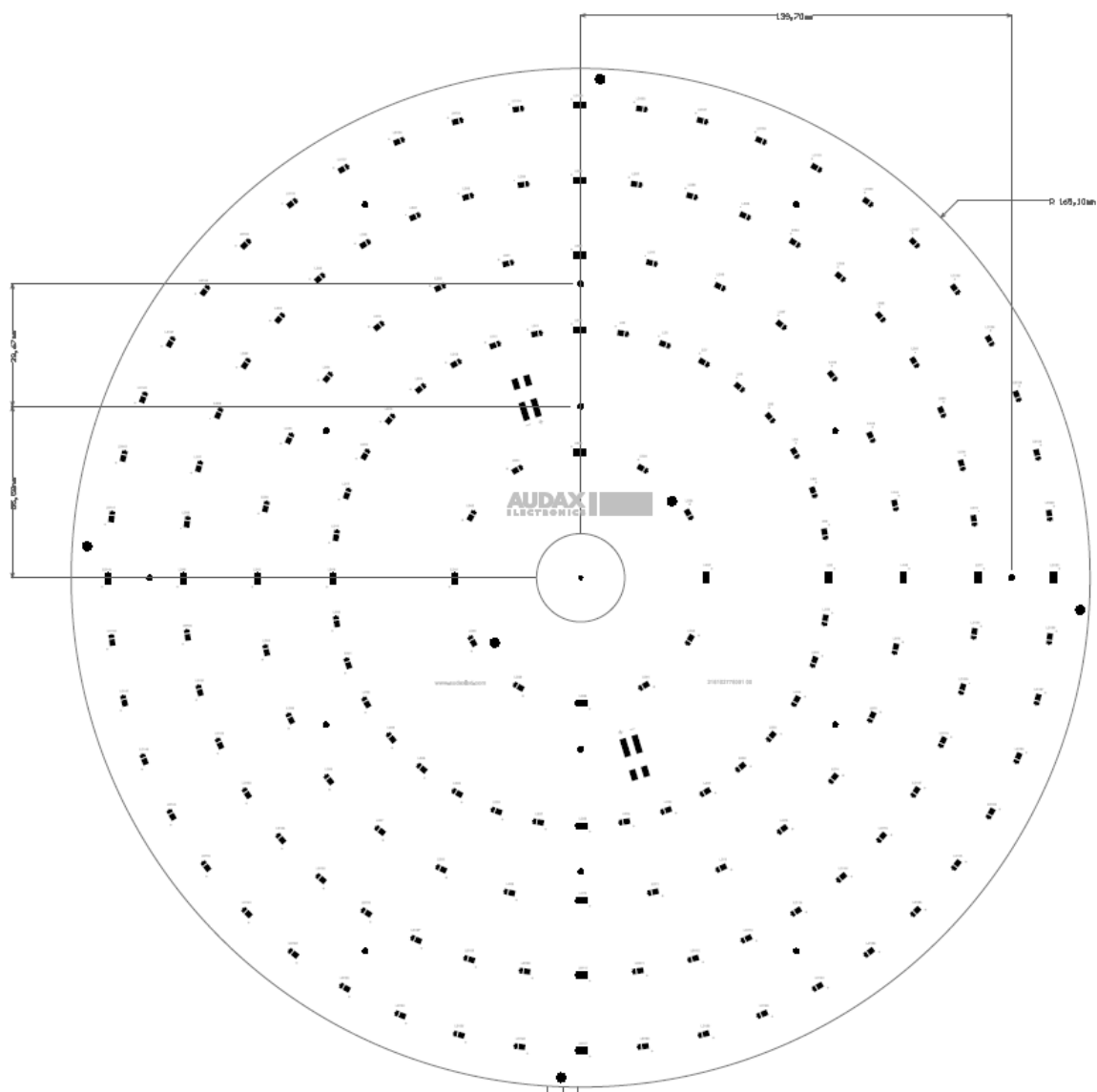
Manufacturer: Cree

LED Series: 2835 6V

SCHEMATICS



MECHANICAL DRAWING



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

