

LIGHT ENGINE 2X8 FIT

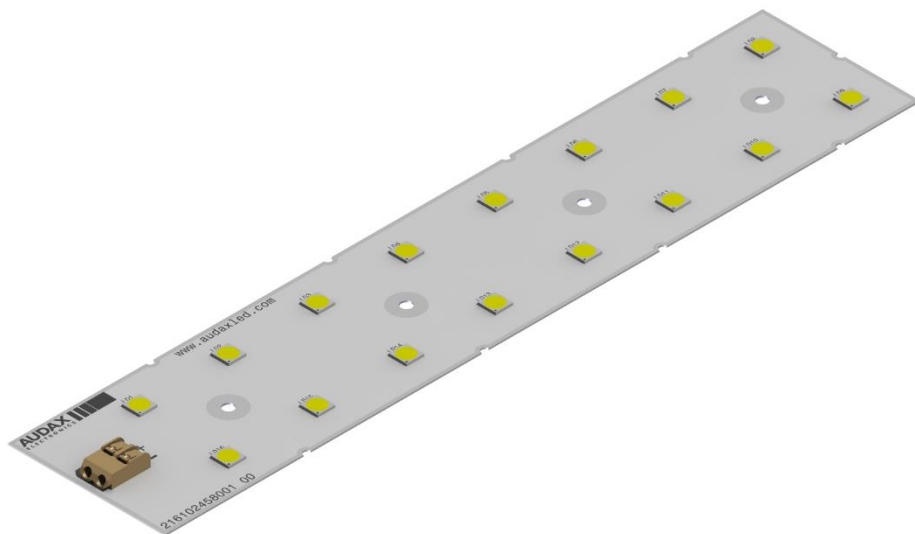
Issue Date	July, 2019
Issued by	Malassise, V.

Applications

- Highbay
- Street Light
- Gas station
- Projectors
- Decorative Poles

Characteristics

- Module Efficacy – up to 183 lm/W
- L70 > 90.000 hours
- CRI > 70
- 05 SDCM
- CCTs 2,700K / 4,000K / 5,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine 2X8 FIT	700 mA	1,600 mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (case temperature at Tc point)	60 °C	105 °C*

*Proper current derating must be observed to maintain the junction temperature below the maximum allowable junction temperature (125°C)

PRODUCT PART NUMBER

80171400100	80171500100	80171600100
2,700 K	4,000 K	5,000 K

TECHNICAL INFORMATION

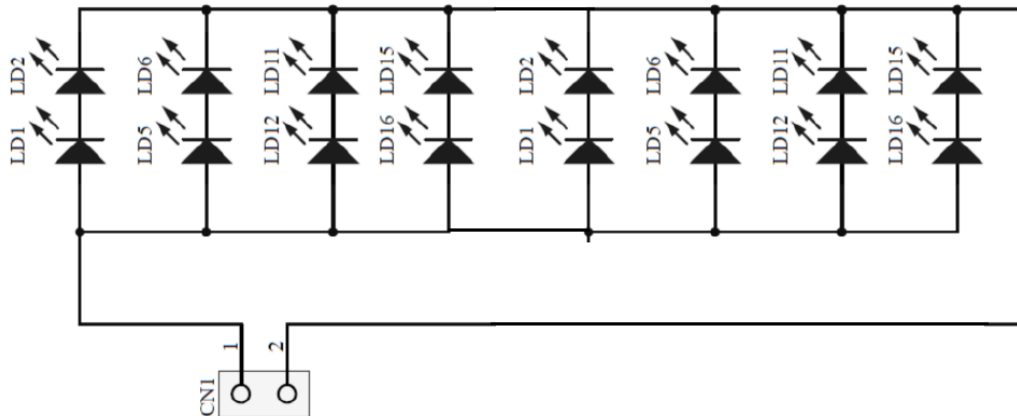
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC	Power	Efficacy
						(°C)	(W)	(lm/W)*
2,700 K	700	16	5,254	45.1	88	60	31.6	166
2,700 K	934	16	6,782	46.3	117	60	43.2	157
2,700 K	1,050	16	7,501	48.1	131	60	50.5	148
4,000 K	700	16	5,793	45.1	88	60	31.6	183
4,000 K	934	16	7,442	46.3	117	60	43.2	172
4,000 K	1,050	16	8,211	48.1	131	60	50.5	163
5,000 K	700	16	5,793	45.1	88	60	31.6	183
5,000K	934	16	7,442	46.3	117	60	43.2	172
5,000 K	1,050	16	8,211	48.1	131	60	50.5	163

LED TYPE

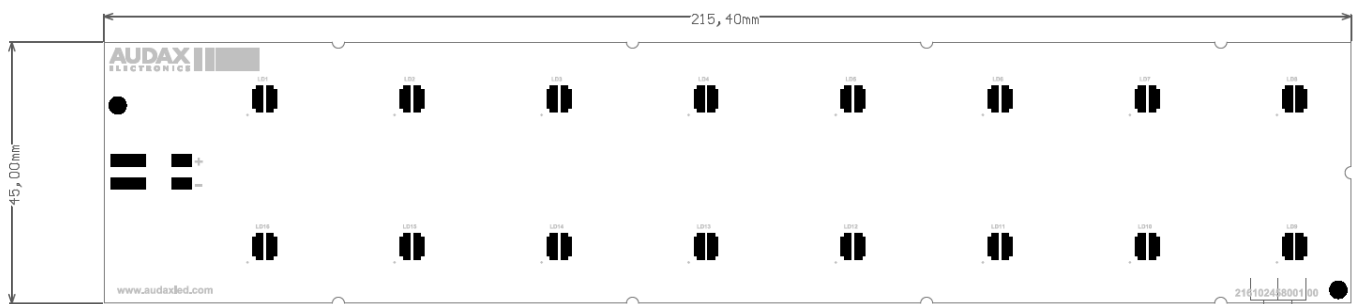
Manufacturer: LUMILEDS

LED Series: LUXEON 5050

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