

LIGHT ENGINE IP-28

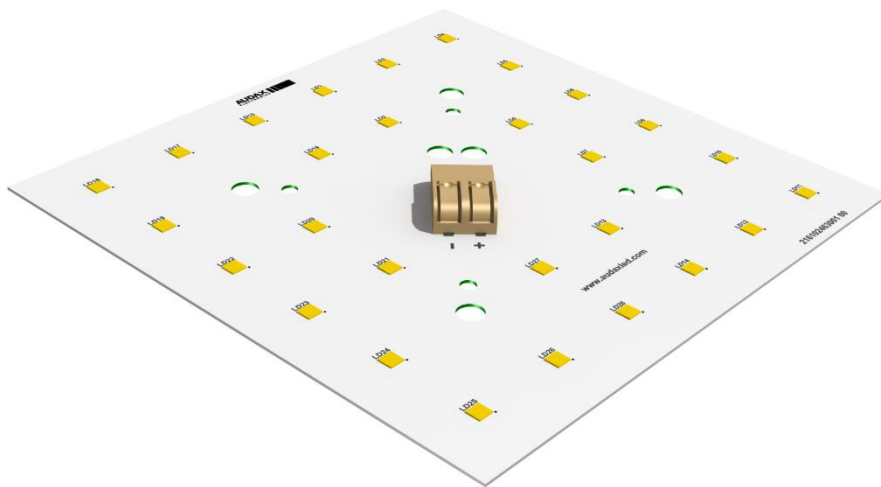
Issue Date	Nov, 2019
Issued by	Malassise, V.

Applications

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

Characteristics

- Module Efficacy – up to 159 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 IP-28	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)

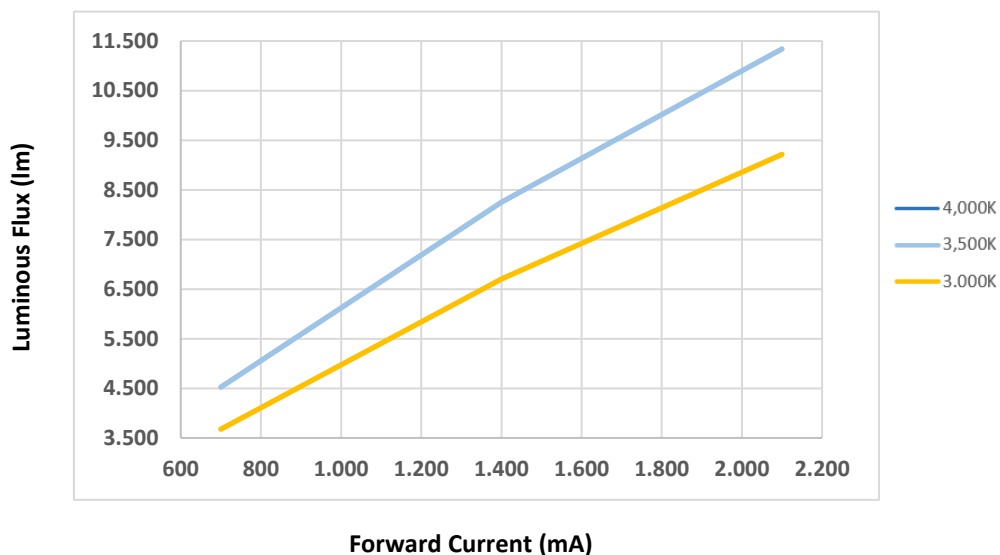
PRODUCT PART NUMBER

80172900100	80173000100	80173100100
2,700 K	4,000 K	5,000 K

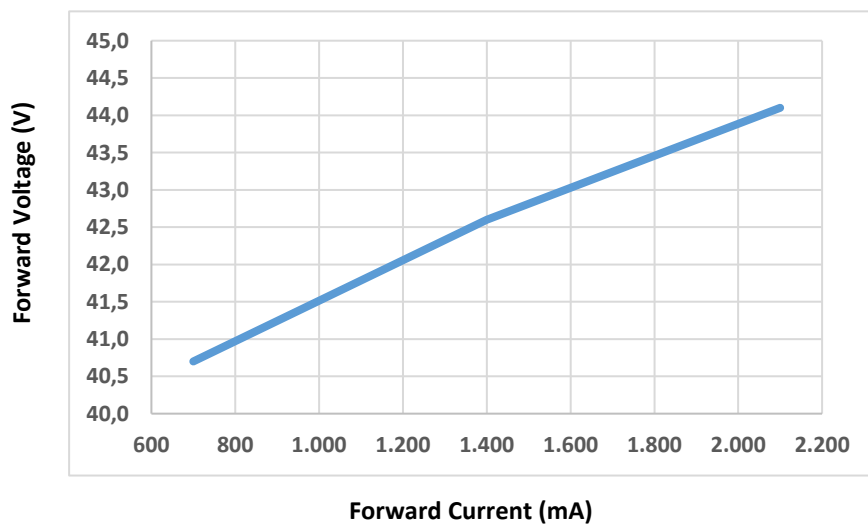
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)*	Forward Voltage (V)	LED Forward Current (mA)	TC	Power (W)	Efficacy (lm/W)*
						(°C)		
2,700 K	700	28	3,676	40.7	350	60	28.5	129
2,700 K	1,400	28	6,705	42.6	700	60	59.6	112
2,700 K	2,100	28	9,214	44.1	1,050	60	92.6	100
4,000 K	700	28	4,524	40.7	350	60	28.5	159
4,000 K	1,400	28	8,252	42.6	700	60	59.6	138
4,000 K	2,100	28	11,340	44.1	1,050	60	92.6	123
5,000 K	700	28	4,524	40.7	350	60	28.5	159
5,000K	1,400	28	8,252	42.6	700	60	59.6	138
5,000 K	2,100	28	11,340	44.1	1,050	60	92.6	123

Luminous Flux (lm) x Forward Current (mA) (TC 60°C)



Forward Voltage (V) x Forward Current (mA) (TC 60°C)

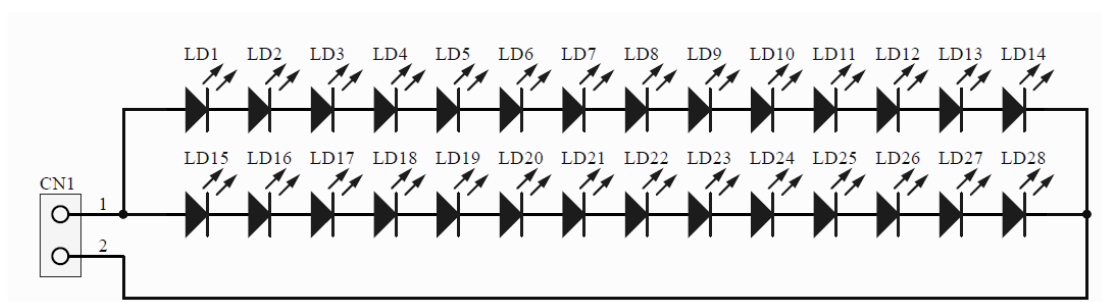


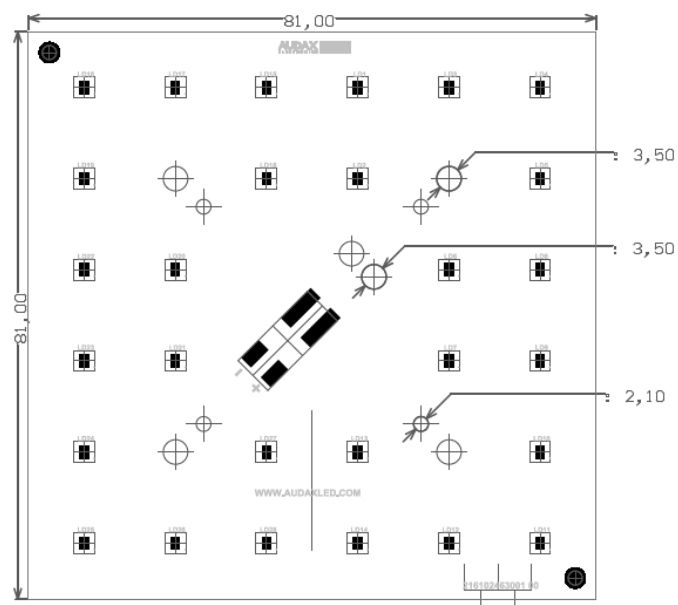
LED TYPE

Manufacturer: SAMSUNG

LED Series: LH351B

SCHEMATICS





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