

LIGHT ENGINE 18 LEDS 3535 241.3 x 73.66 x 1.6MM

Issue Date	November, 2023
Issued by	Nascimento, K .

Applications

- Bollards
- Wallpack
- Projectors

Characteristics

- Constant current
- Module Efficacy – up to 212 lm/W
- L80 > 50,000 hours
- 05 years warranty
- 70CRI



DRIVE CURRENTS

Parameter	Nominal	Max
Current board	700 mA	3,000 mA
Voltage board	50.6 V	59.2 V

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80570400100

5,000K

LED TYPE

Manufacturer: CREE

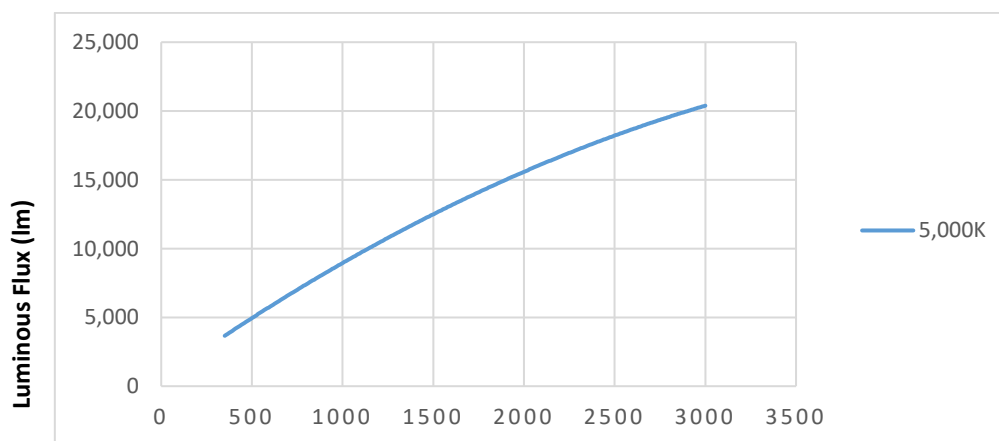
LED Series: XLamp® XP-G4 LEDs

TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	T _c (°C)	Power (W)	Efficacy (lm/W)
5,000K	350	18	3,616	48.6	350	85	17.0	212
5,000K	700	18	6,684	50.6	700	85	35.4	188
5,000K	1,500	18	12,458	54.0	1,500	85	81.0	153
5,000K	3,000	18	20,390	59.2	3,000	85	177.6	114

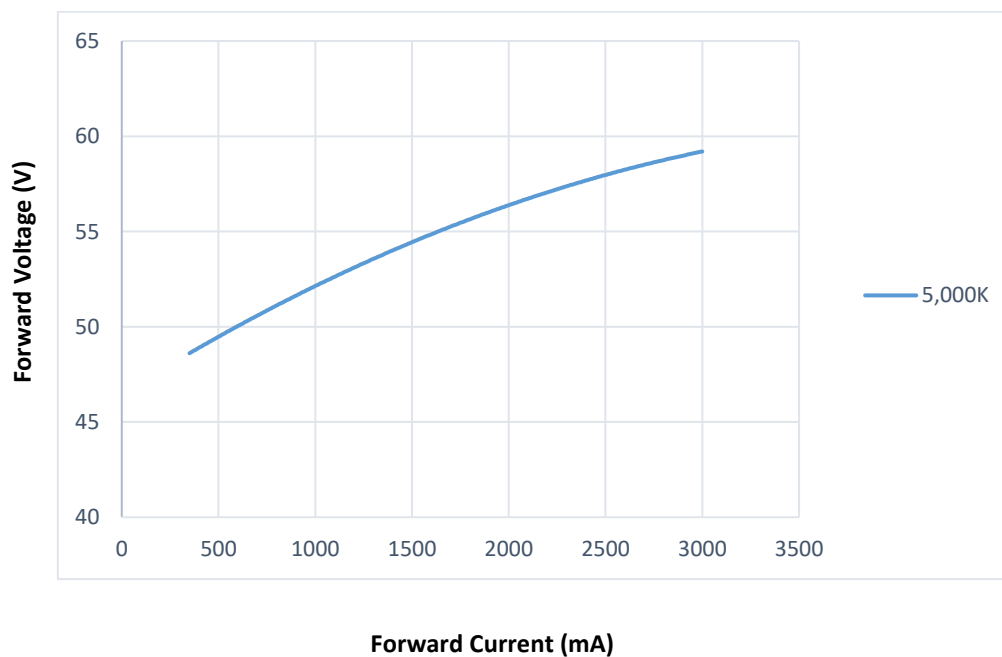
TECHNICAL GRAPHS

Luminous Flux (lm) x Forward Current (mA)



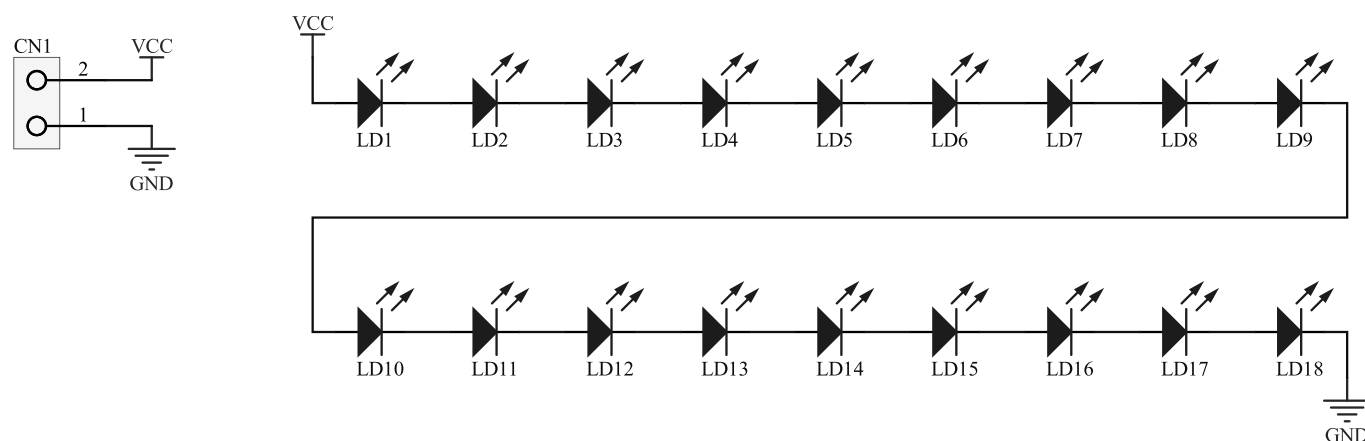
Forward Current (mA)

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

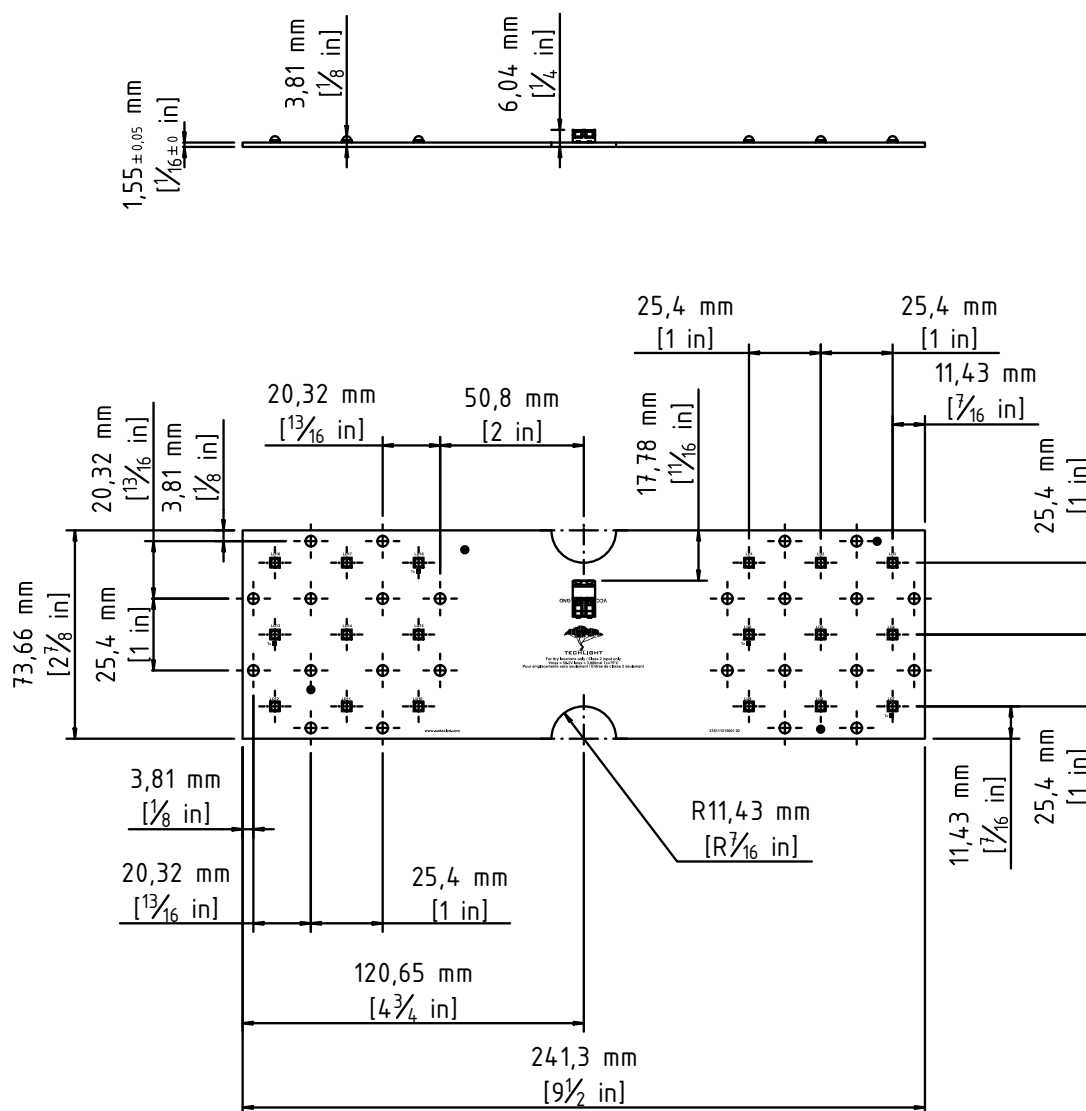


Forward Current (mA)

SCHEMATICS

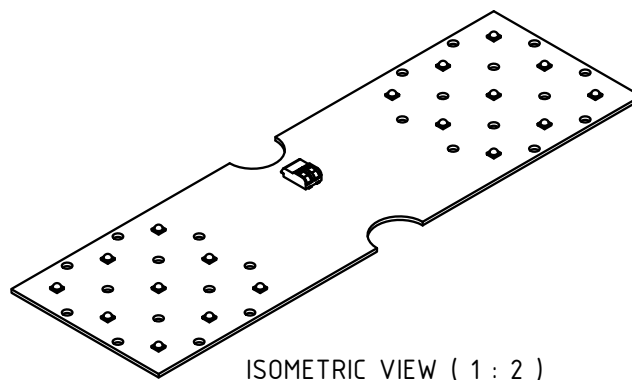


MECHANICAL DRAWINGS



Notes:

- Description and logo applied with silkscreen;
- General tolerance according to description on technical drawing header;
- Other dimensions see on 3D model.



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

PACKING

CARDBOARD BOX 600x600x250mm

*Each cardboard box contains only one part number