

LIGHT ENGINE Ø150X1,5MM 6 LEDS XHP50

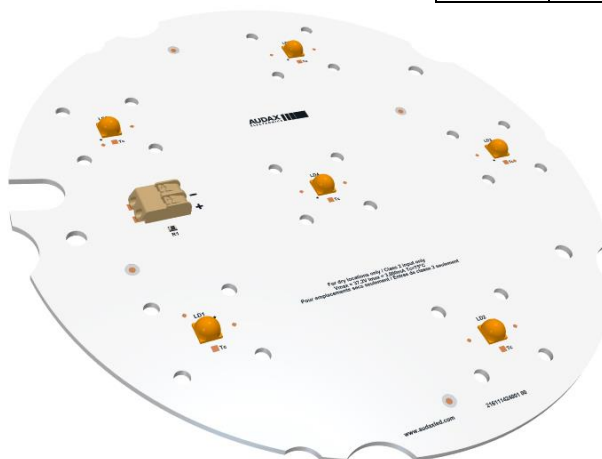
Issue Date	Nov. 2023
Issued by	Andrade C.

Applications

- All decorative lighting fixtures

Characteristics

- Module Efficacy – up to 110 lm/W
- L70 > 50.000 hours
- CRI > 80
- 03 SDCM
- CCTs 3,500K
- 05 years warranty

**DRIVE CURRENTS**

Parameter	Nominal	Max
I _{board} (Current)	1,400 mA	3,000 mA
V _{board} (Voltage)	33.6 V	37.2 V

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80581000100

3,500K

LED TYPE

Manufacturer: Cree

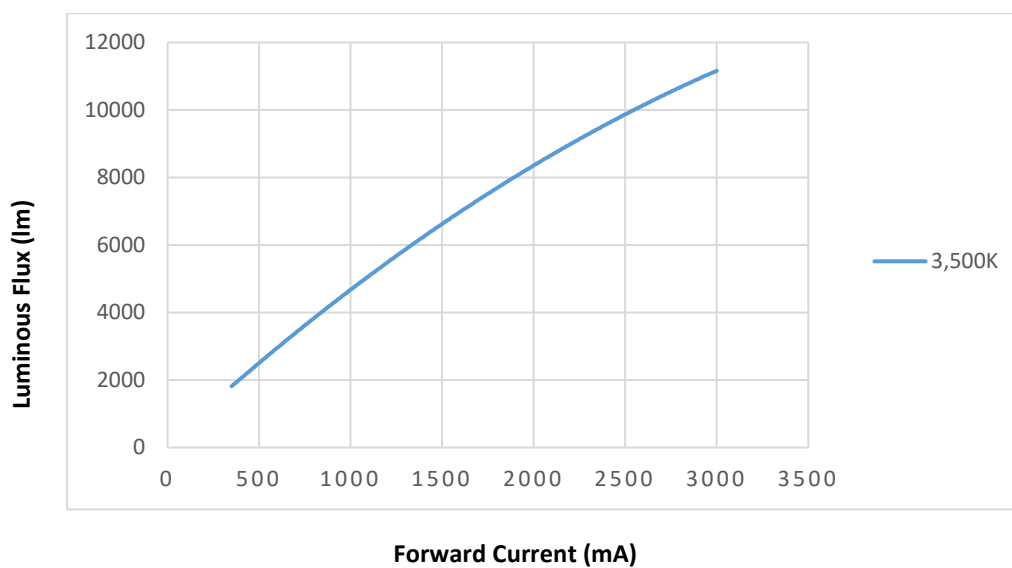
LED Series: XLamp® XHP50.2 LEDs

TECHNICAL INFORMATION

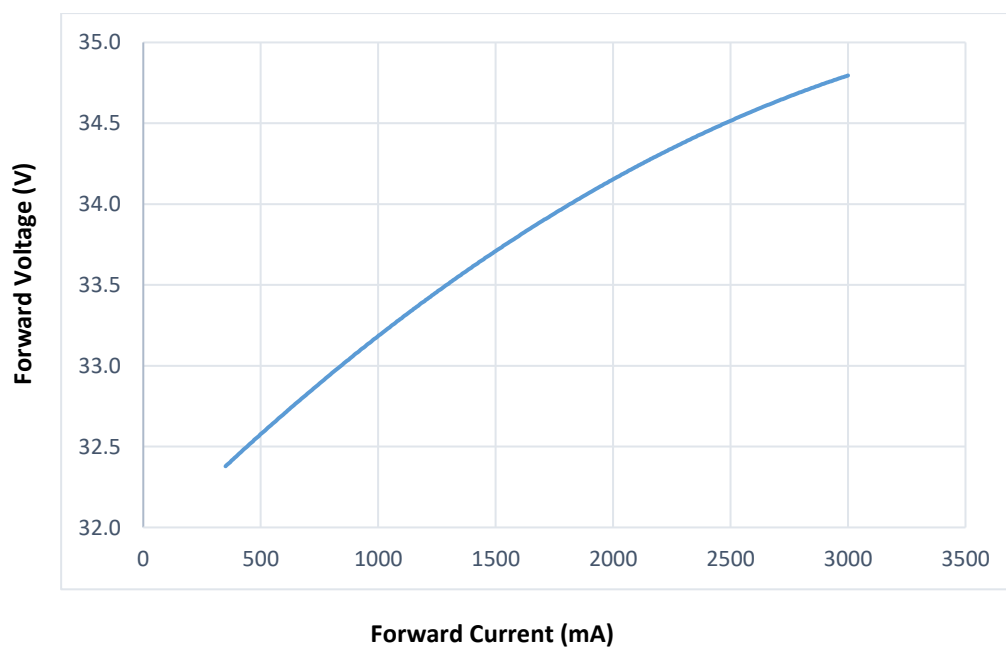
CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
3,500K	700	6	3,401	32.7	700	85	22.7	150
3,500K	1,400	6	6,254	33.7	1,400	85	47.2	132
3,500K	3,000	6	11,166	34.8	3,000	85	104.4	107

TECHNICAL GRAPHS

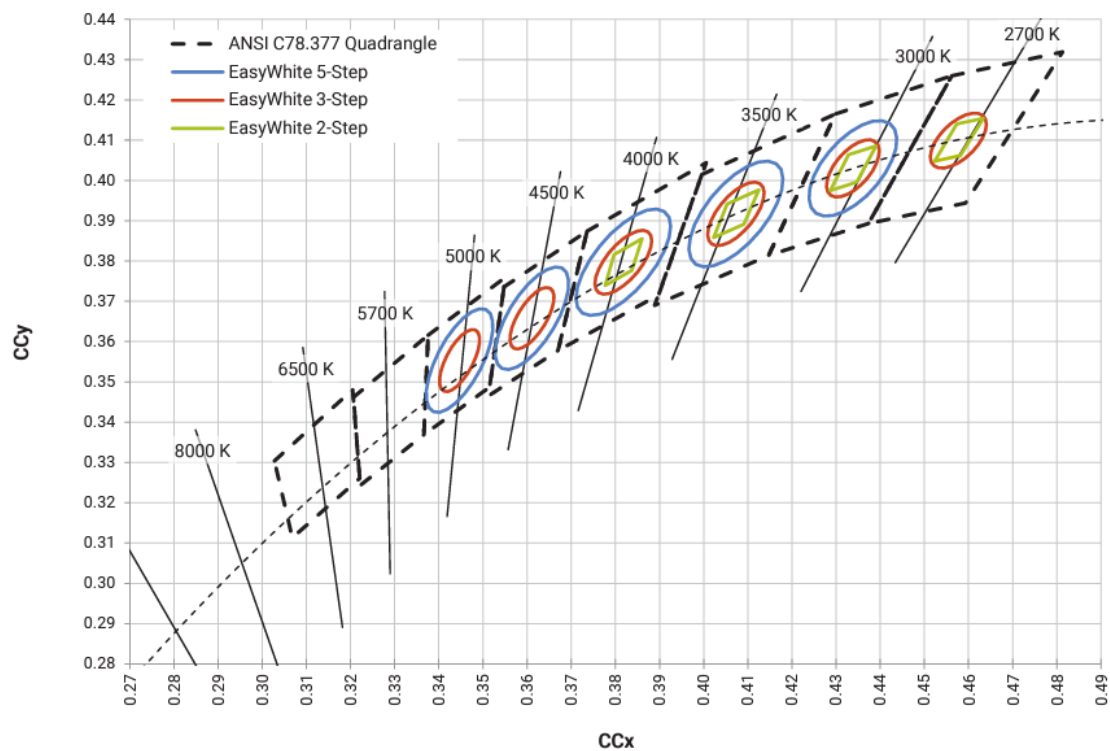
Luminous Flux (lm) x Forward Current (mA)



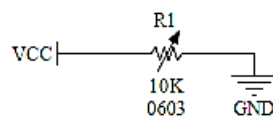
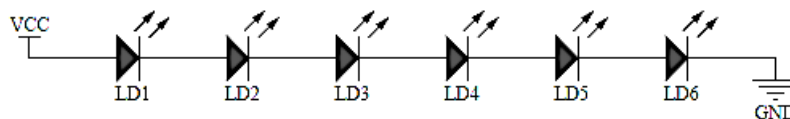
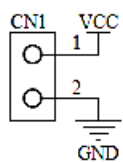
Forward Voltage (V) x Forward Current (mA) (Tc 75°C)

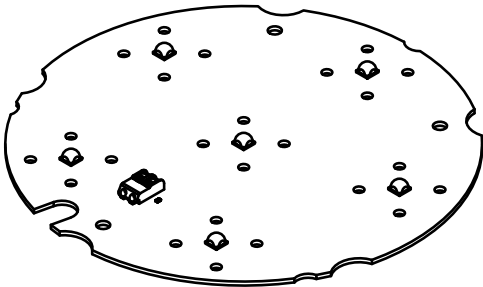


LED BINNING STRUCTURE



SCHEMATICS





Notas:
 - Textos e logomarca aplicados na placa são em serigrafia n. cor preta;
 - Tolerâncias não indicadas ver tolerâncias gerais;
 - Dimensões não especificadas seguir conforme modelo matemático;

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 600 x 250 x 250 mm

ANTI-STATIC EPE 599 x 250 x 20 mm

QUANTITY: UP TO 72 PER CARDBOARD BOX

*Each cardboard box contains only one part number