

LIGHT ENGINE 40 LEDs VICTORIA-MINI 5050 Ø150mm

Issue Date	October, 2021
Issued by	Carmo, K.

Applications

- High-bay
- Projectors
- Gas Station

Characteristics

- Module Efficacy – up to 200 lm/W
- L70 > 50,000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 3000K / 4000K / 5000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 40 LEDs VICTORIA-MINI 5050 Ø150mm	1050mA	2880mA

MODULE TEMPERATURES

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

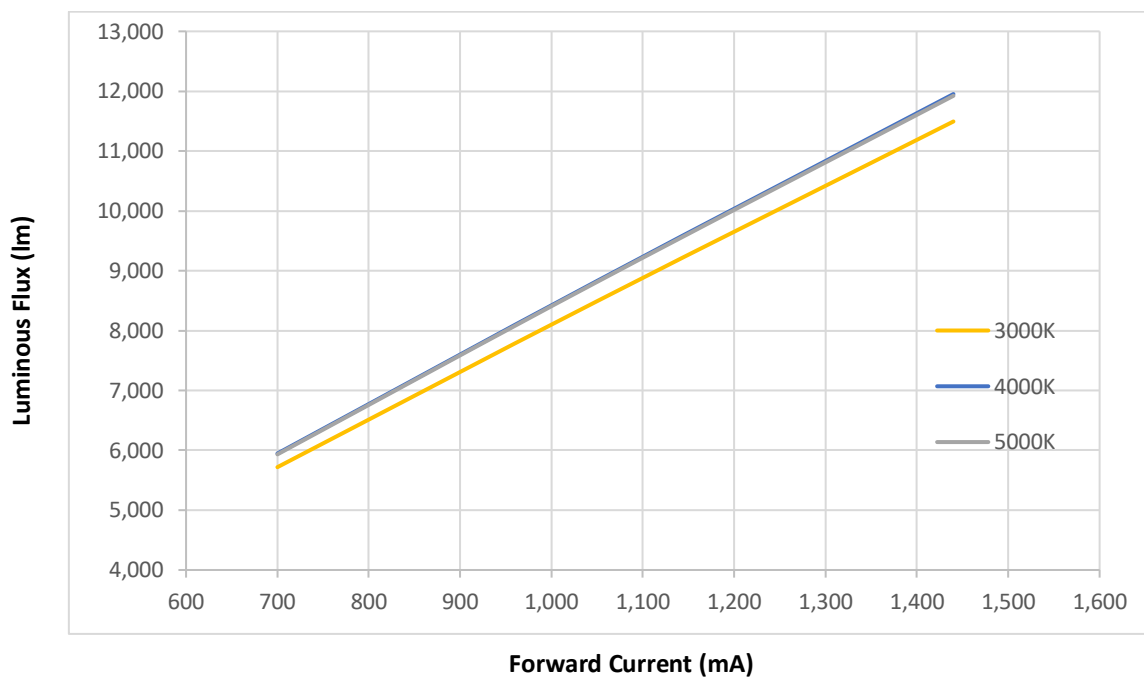
PRODUCT PART NUMBER

80412200100	80412300100	80412400100
3000K	4000K	5000K

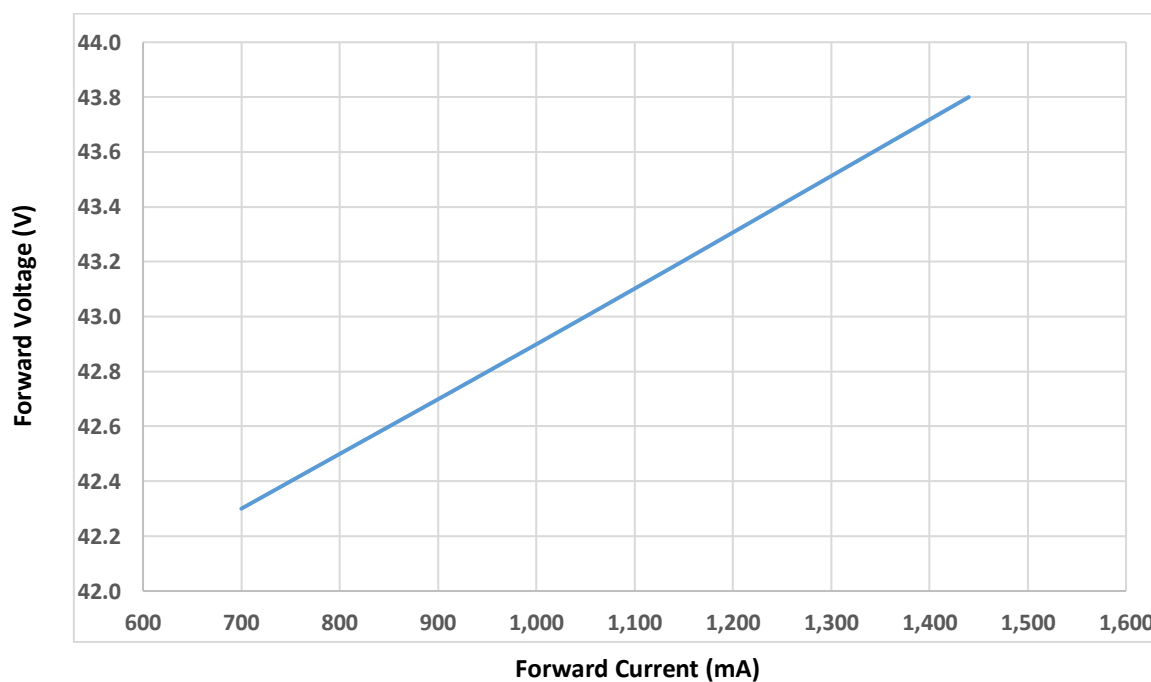
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
3000K	700	40	5,718	42.3	140	75	29.6	193
3000K	1,050	40	8,492	43	210	75	45.1	188
3000K	1,440	40	11,494	43.8	288	75	63.1	182
4000K	700	40	5,946	42.3	140	75	29.6	200
4000K	1,050	40	8,830	43	210	75	45.1	195
4000K	1,440	40	11,952	43.8	288	75	63.1	189
5000K	700	40	5,932	42.3	140	75	29.6	200
5000K	1,050	40	8,814	43	210	75	45.1	195
5000K	1,440	40	11,923	43.8	288	75	63.1	189

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



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



LED TYPE

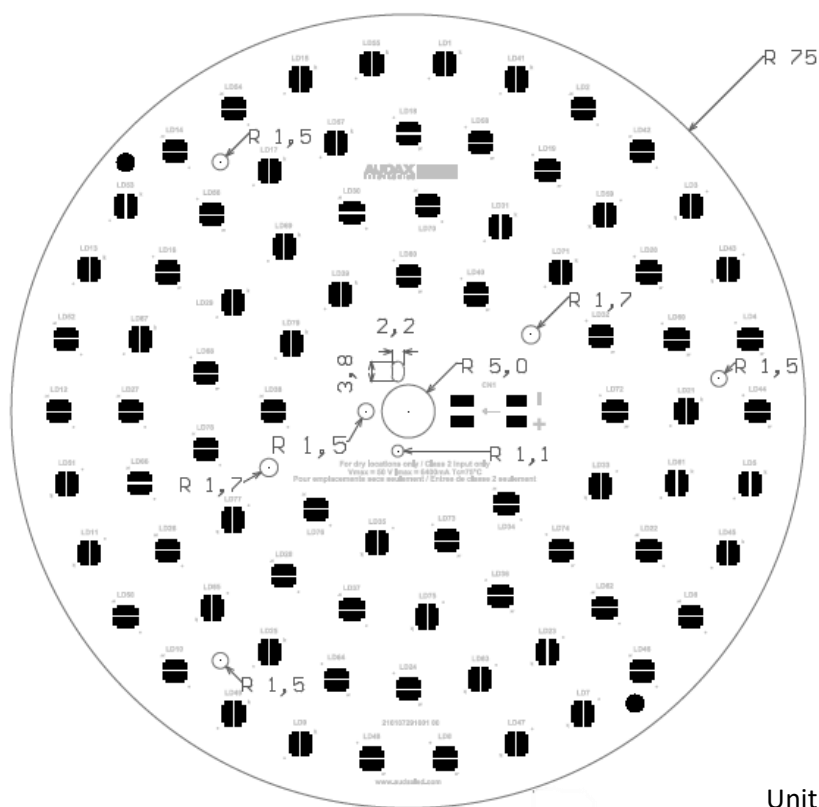
Manufacturer: Lumileds

LED Series: 5050 Square 6V

SCHEMATICS



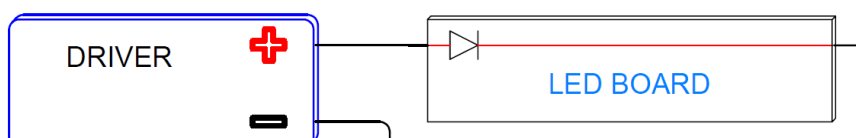
MECHANICAL DRAWING



Unit: mm

WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.13...0.50 26...20	mm ² AWG	Solid wire
Input wire strip length	5...7	mm	Solid wire
Input wire cross-section	0.13...0.50 26...20	mm ² AWG	Stranded wire
Input wire strip length	5...7	mm	Stranded wire



COMPATIBLE OPTICS

Manufacturer	Part Number	Color	Material	Beam
LEDiL	C17974_VICTORIA-MINI-WWW	Clear	PMMA	~90°
LEDiL	C17975_VICTORIA-MINI-W	Clear	PMMA	~60°
LEDiL	CS17977_VICTORIA-MINI-W	Clear	PMMA	~60°
LEDiL	CS17978_VICTORIA-MINI-WWW	Clear	PMMA	~90°
LEDiL	CS18055_VICTORIA-MINI-W-PC	Clear	PC	~60°
LEDiL	CS18056_VICTORIA-MINI-WWW-PC	Clear	PC	~90°