

LIGHT ENGINE 08 LEDS SQUARE 4.9IN (124.46MM)

Issue Date	April, 2024
Issued by	Andrade, C.

Applications

- Bollards
- Wallpack
- Projectors

Characteristics

- Constant current
- Module Efficacy – up to 168 lm/W
- L80 > 50,000 hours
- 05 years warranty
- 70CRI



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 08 LEDs SQUARE 124.46MM	700 mA	1,500 mA

MODULE TEMPERATURES

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

PRODUCT PART NUMBER

80614600100	80579400100	80574700100
3,000K	4,000K	5,000K

LED TYPE

Manufacturer: LUMILEDS

LED Series: LUXEON MX

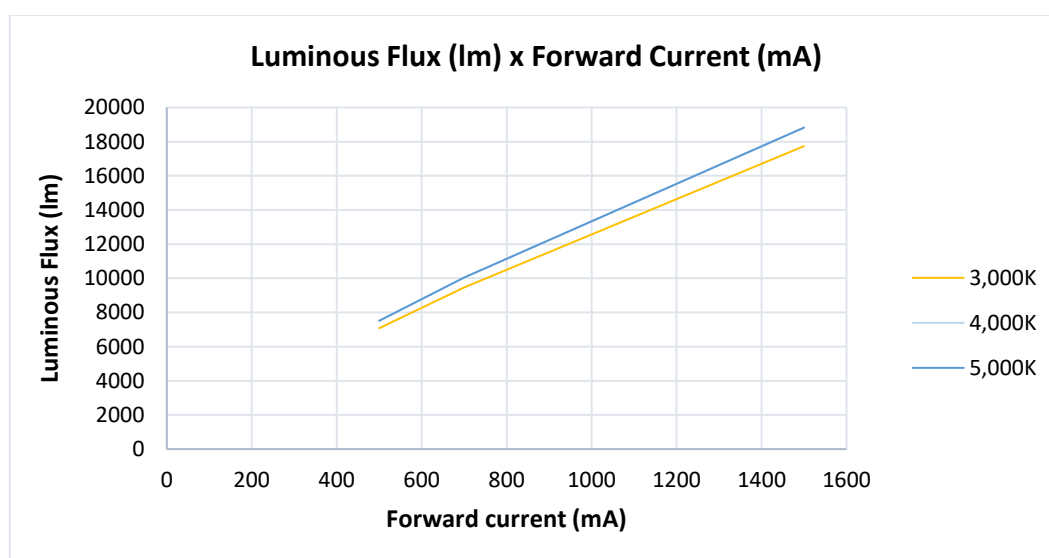
TECHNICAL INFORMATION VCC-GND CC

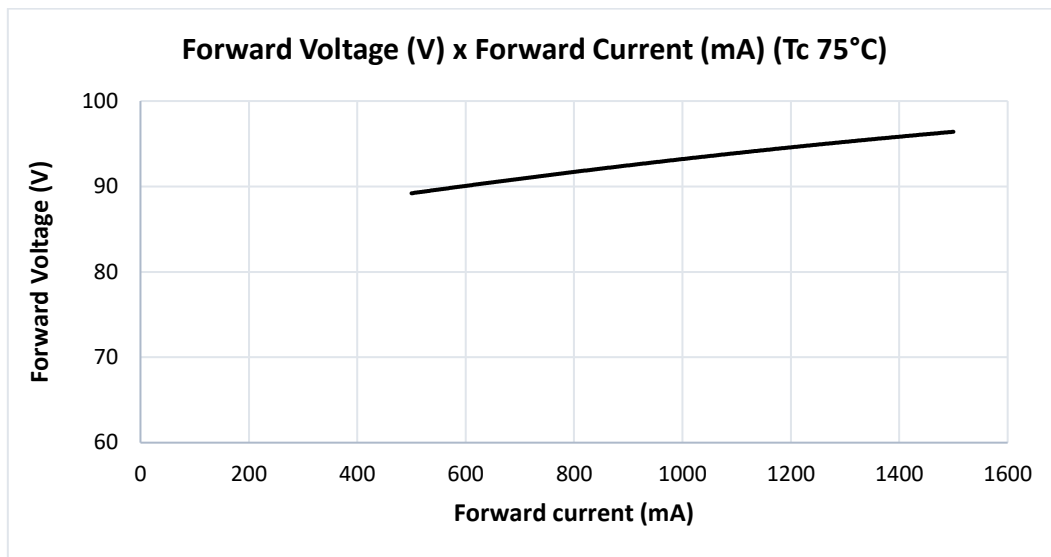
MODEL	CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
10-4153	3,000K	500	8	7,079	89.2	500	75	44.6	159
10-4153	3,000K	700	8	9,465	90.9	700	75	63.6	149
10-4153	3,000K	1,500	8	17,739	96.4	1,500	75	144.6	122
10-1174	4,000K	500	8	7,512	89.2	500	75	44.6	168
10-1174	4,000K	700	8	10,044	90.9	700	75	63.6	158
10-1174	4,000K	1,500	8	18,824	96.4	1,500	75	144.6	130
10-1173	5,000K	500	8	7,512	89.2	500	75	44.6	168
10-1173	5,000K	700	8	10,044	90.9	700	75	63.6	158
10-1173	5,000K	1,500	8	18,824	96.4	1,500	75	144.6	130

TECHNICAL INFORMATION EMER-GND CC

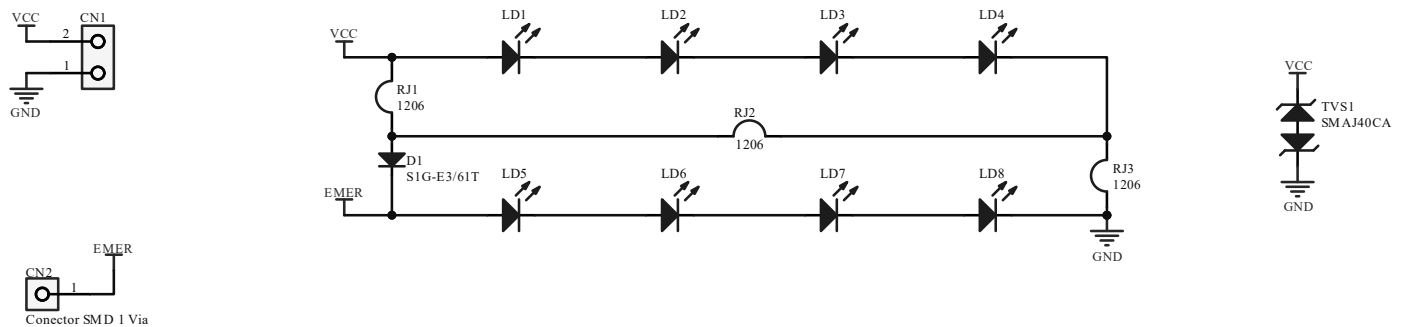
MODEL	CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
10-4153	3,000K	500	4	3,539	44.6	500	75	22.3	159
10-4153	3,000K	700	4	4,732	45.4	700	75	31.7	149
10-4153	3,000K	1,500	4	8,869	48.2	1,500	75	72.3	122
10-1174	4,000K	500	4	3,756	44.6	500	75	22.3	168
10-1174	4,000K	700	4	5,022	45.4	700	75	31.7	158
10-1174	4,000K	1,500	4	9,412	48.2	1,500	75	72.3	130
10-1173	5,000K	500	4	3,756	44.6	500	75	22.3	168
10-1173	5,000K	700	4	5,022	45.4	700	75	31.7	158
10-1173	5,000K	1,500	4	9,412	48.2	1,500	75	72.3	130

TECHNICAL GRAPHS

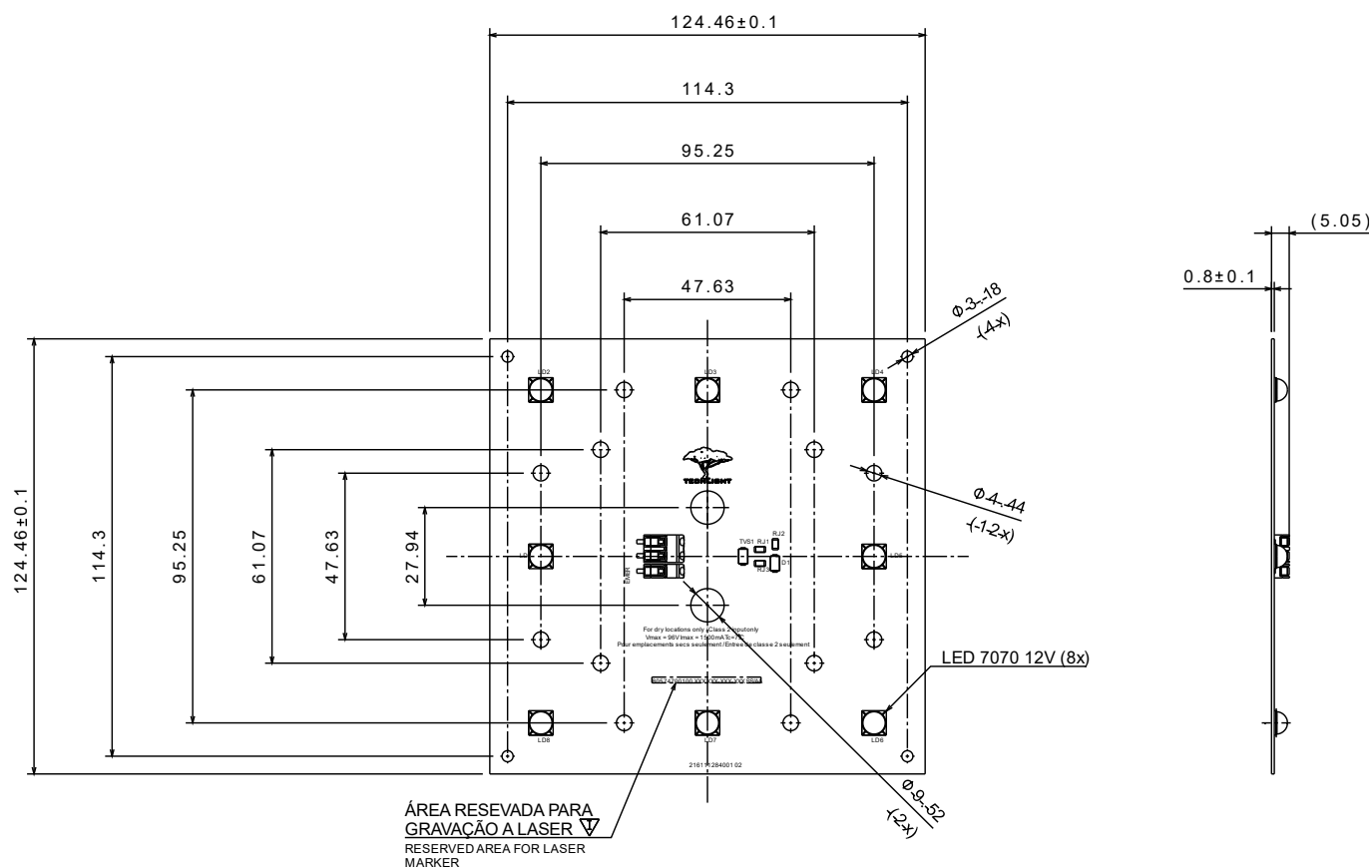




SCHEMATICS



MECHANICAL DRAWINGS

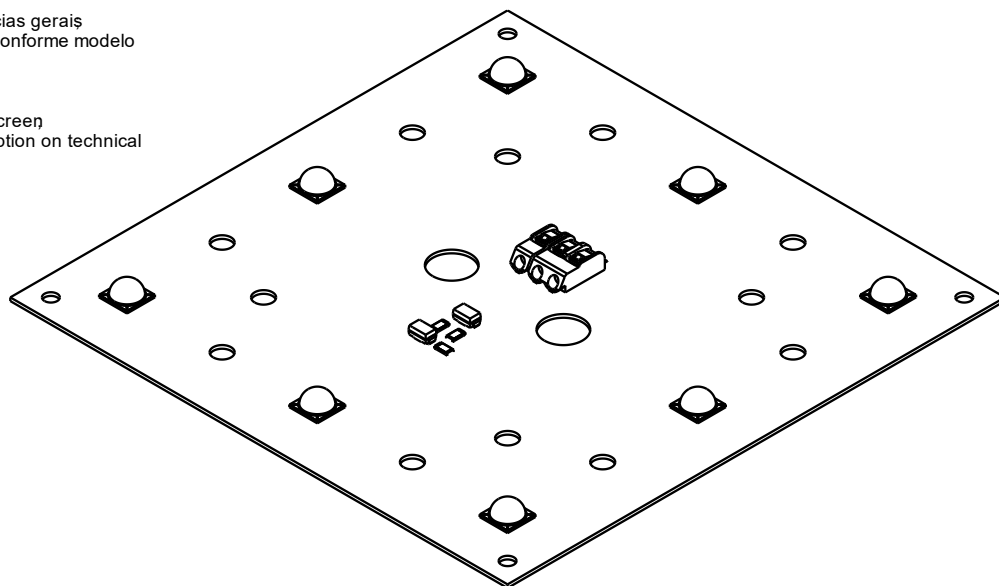


Notas:

- Textos e logomarca aplicados na placa são em serigrafia 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.



Isometric view
Scale:1:1

WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.75	mm ²	Solid wire
	18...24	AWG	
Input wire strip length	7.5...8.5	mm	Solid wire
Input wire cross-section	0.33...0.5	mm ²	Stranded wire
	20...22	AWG	
Input wire strip length	7.5...8.5	mm	Stranded wire

PACKING

CARDBOARD BOX 600x600x250mm

*Each cardboard box contains only one part number