

Light Engine 12 LEDs 145x45mm 2x6

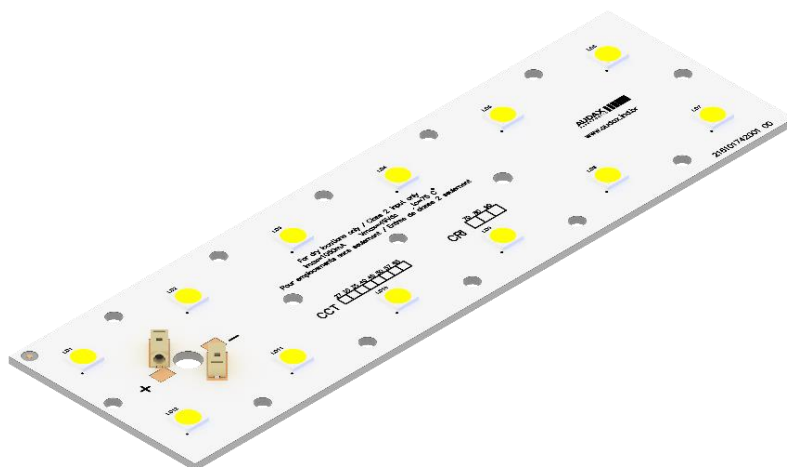
Issue Date	April, 2023
Issued by	Vegner, I.

Applications

- High bay
- Streetlight
- Gas station
- Projectors

Characteristics

- Module Efficacy – up to 195 lm/W
- L80 > 50,000 hours
- CRI > 70 (Typ. 75)
- 03 SDCM
- CCTs: 3,000K; 3,500K; 4,000K
- 05 years warranty



DRIVE CURRENTS

Parameter	Nominal	Max
LIGHT ENGINE 12 LEDs 145x45mm 2X6	1050mA	1440mA

MODULE TEMPERATURES

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

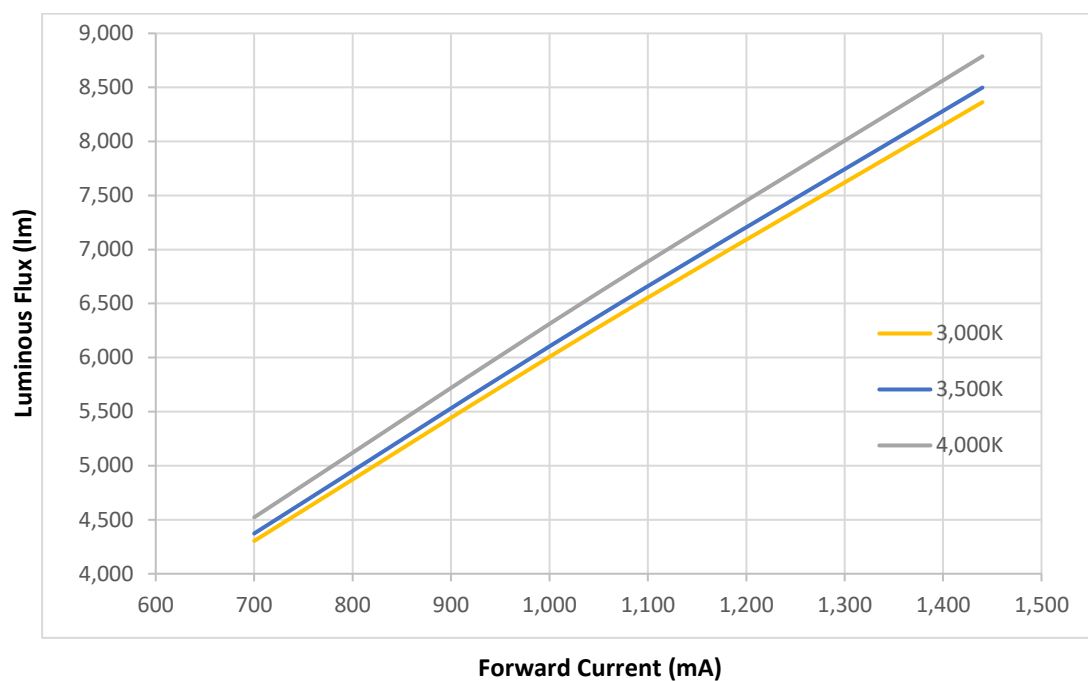
PRODUCT PART NUMBER

80490800100	80509700100	80509800100
3,000K	3,500K	4,000K

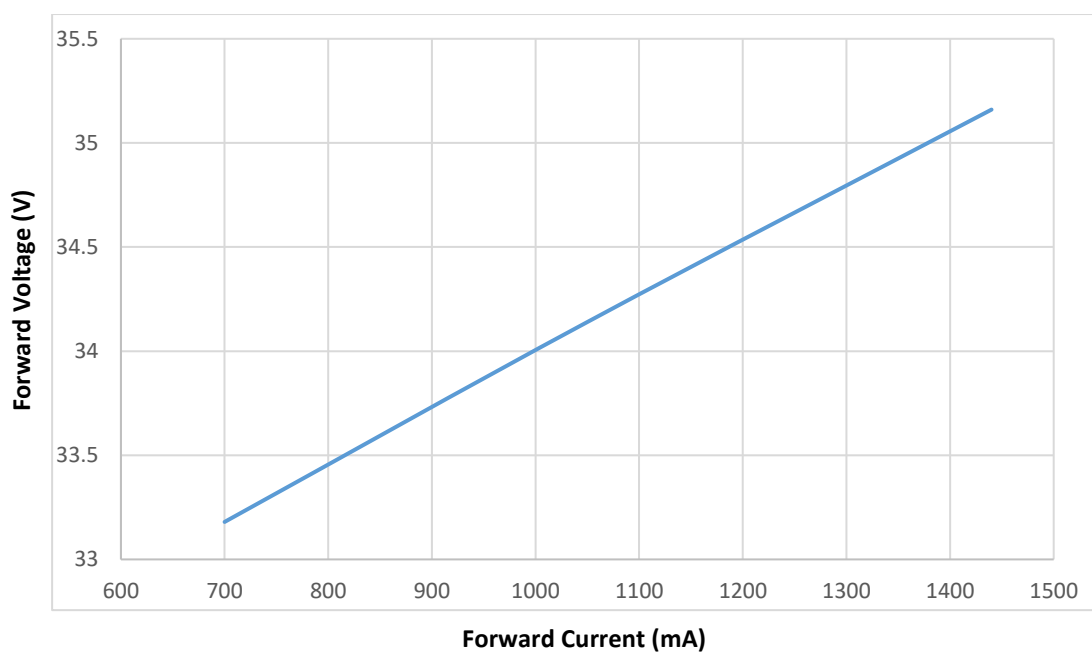
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Current (mA)	Tc (°C)	Power (W)	Efficacy (lm/W)
3,000K	700	12	4,303	33.2	350	75	23.2	185
3,000K	1,050	12	6,282	34.1	525	75	35.8	175
3,000K	1,440	12	8,363	35.2	720	75	50.6	165
3,500K	700	12	4,373	33.2	350	75	23.2	188
3,500K	1,050	12	6,384	34.1	525	75	35.8	178
3,500K	1,440	12	8,499	35.2	720	75	50.6	168
4,000K	700	12	4,522	33.2	350	75	23.2	195
4,000K	1,050	12	6,602	34.1	525	75	35.8	184
4,000K	1,440	12	8,788	35.2	720	75	50.6	174

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



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

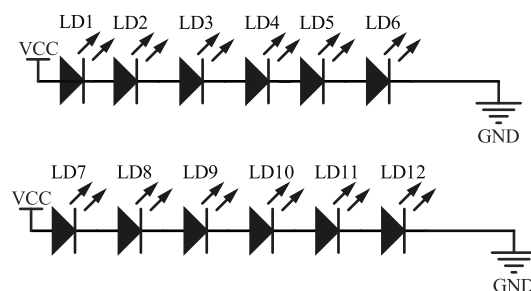


LED TYPE

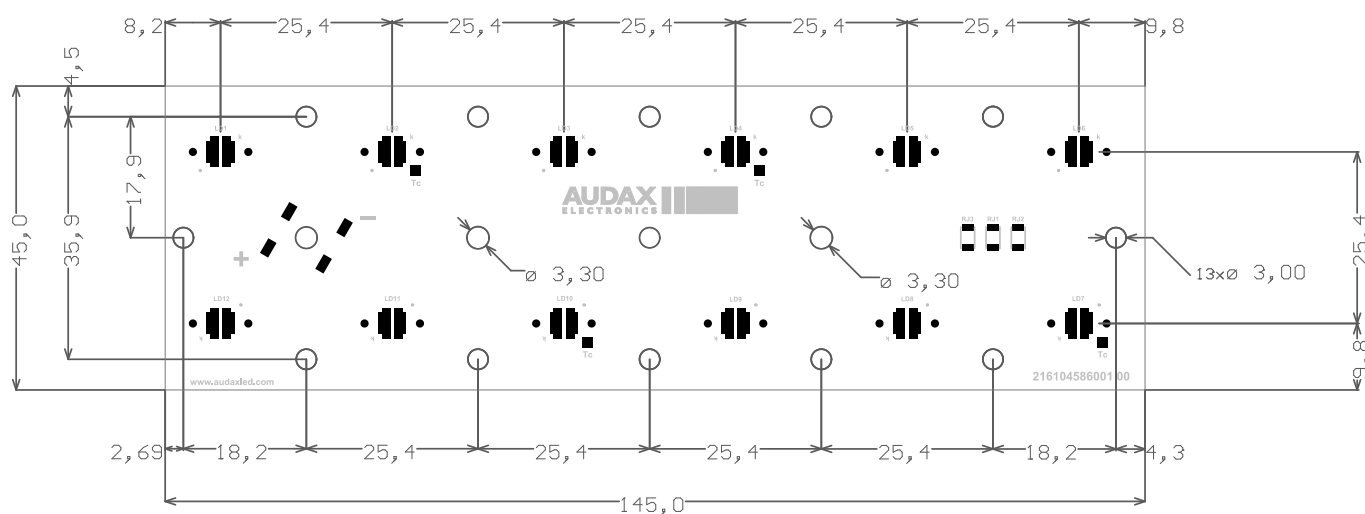
Manufacturer: CREE

LED Series: JR 5050 K Class 6V

SCHEMATICS



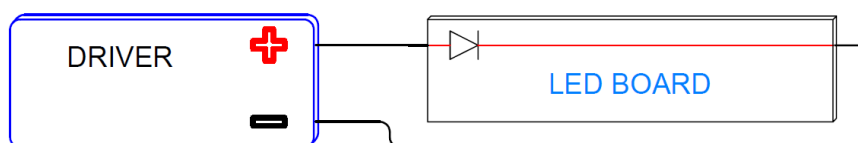
MECHANICAL DRAWINGS



Unit: mm

WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.25...0.34 24...22	mm ² AWG	Solid wire
Input wire strip length	5...6	mm	Solid wire
Input wire cross-section	0.25...0.34 24...22	mm ² AWG	Stranded wire
Input wire strip length	5...6	mm	Stranded wire



Manufacturer	Part Number	Color	Beam
LEDiL	CS14130_HB-IP-2X6-W	Clear	~60°
LEDiL	CS14263_HB-IP-2X6-WWW	Clear	~100°
LEDiL	CS14597_HB-IP-2X6-O	Clear	~30° + 115°
LEDiL	CS14891_HB-IP-2X6-M	Clear	~25°
LEDiL	CS14895_HB-IP-2X6-RS	Clear	~20°
LEDiL	CS15445_HB-IP-2X6-WWW-PC	Clear	~100°
LEDiL	CS16188_HB-IP-2X6-O-PC	Clear	~30° + 115°
LEDiL	CS16460_HB-IP-2X6-W-PC	Clear	~60°
LEDiL	CS17088_HB-IP-2X6-RS-PC	Clear	~20°
LEDiL	CS17090_HB-IP-2X6-M-PC	Clear	~25°
LEDiL	CS16511_HB-IP-2X6-G2-W	Clear	~60°
LEDiL	CS16593_HB-IP-2X6-G2-WWW	Clear	~90°
LEDiL	CS17147_HB-IP-2X6-G2-WWW-PC	Clear	~90°
LEDiL	CS17149_HB-IP-2X6-G2-W-PC	Clear	~60°
LEDiL	CS12862_STRADA-IP-2X6-DWC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS13756_STRADA-IP-2X6-DWC-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS14055_STRADA-IP-2X6-T2	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS14143_STRADA-IP-2X6-T3	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS14144_STRADA-IP-2X6-ME	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS14145_STRADA-IP-2X6-DWC-90	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15020_STRADA-IP-2X6-VSM	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15055_STRADA-IP-2X6-DWC-90-PC	Clear	~90°
LEDiL	CS15066_STRADA-IP-2X6-T2-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15068_STRADA-IP-2X6-T3-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15071_STRADA-IP-2X6-ME-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15158_STRADA-IP-2X6-T4-B	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15223_STRADA-IP-2X6-T2-C-90	Clear	~90°
LEDiL	CS15362_STRADA-IP-2X6-T3-B	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15363_STRADA-IP-2X6-T2-B	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15418_STRADA-IP-2X6-SCL	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15671_STRADA-IP-2X6-DWC-B	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15689_STRADA-IP-2X6-FW	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15870_STRADA-IP-2X6-T2-L	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15871_STRADA-IP-2X6-T3-L	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS15886_STRADA-IP-2X6-T2-B-90	Clear	~90°
LEDiL	CS15887_STRADA-IP-2X6-T3-B-90	Clear	~90°
LEDiL	CS16397_STRADA-IP-2X6-T2-C-90-PC	Clear	~90°
LEDiL	CS16401_STRADA-IP-2X6-PX	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS17082_STRADA-IP-2X6-VSM-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS17252_STRADA-IP-2X6-DWC-B-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS17255_STRADA-IP-2X6-T3-L-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS17259_STRADA-IP-2X6-T4-B-PC	Clear	Asy-Angle ⁽¹⁾
LEDiL	CS17261_STRADA-IP-2X6-SCL-PC	Clear	Asy-Angle ⁽¹⁾

(1) Photometric data for asymmetrical angles can be evaluated at www.ledil.com