

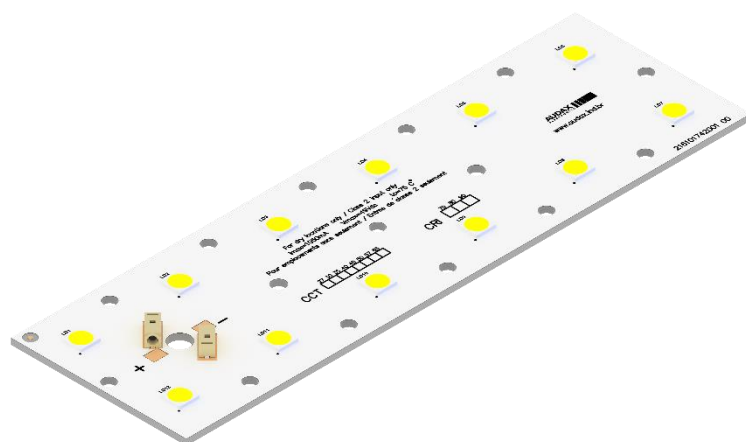
Light Engine

Applications

- Highbay
- Street Light
- Gas station
- Projectors
- Decorative Poles

Characteristics

- Module Efficacy – up to 160 lm/W
- L80 > 50,000 hours
- CRI > 80 (Typ.85)
- 03 SDCM
- CCTs: 2700K; 3000K; 3500K; 4000K
- 05 years warranty.



Issue Date	November/2021
Issued by	Carmo, K.

DRIVE CURRENTS

Parameter	Nominal	Max
Light Engine 2X6 12 LEDs 5050 – Mini Connectors	1050mA	1440mA

MODULE TEMPERATURES

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

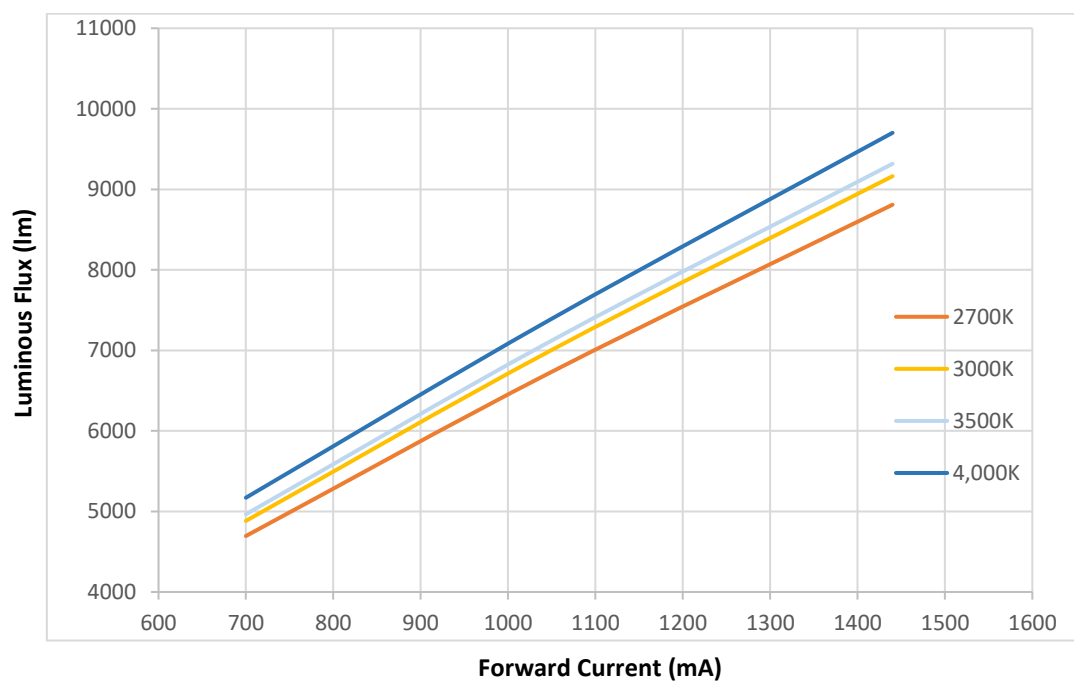
PRODUCT PART NUMBER

80298400100	80298500100	80298600100	80298700100
2700K	3000K	3500K	4000K

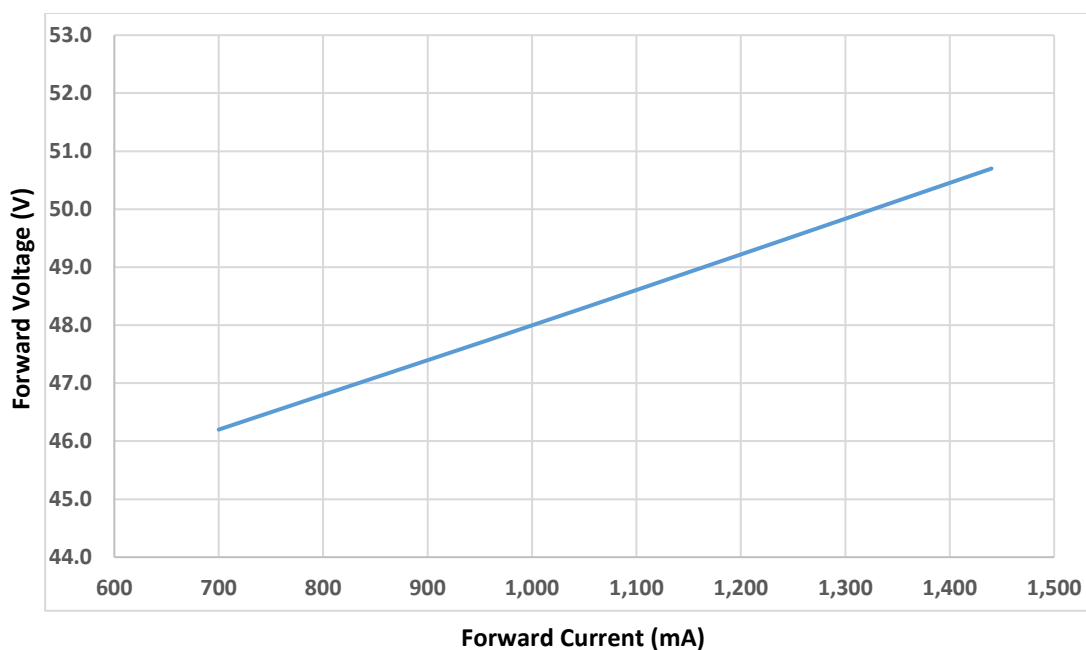
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
2700K	700	12	4,695	46.2	116	75	32.3	145
2700K	1,050	12	6,734	48.3	175	75	50.7	133
2700K	1,440	12	8,809	50.7	240	75	73.0	120
3000K	700	12	4,883	46.2	116	75	32.3	151
3000K	1,050	12	7,005	48.3	175	75	50.7	138
3000K	1,440	12	9,163	50.7	240	75	73.0	125
3500K	700	12	4,965	46.2	116	75	32.3	153
3500K	1,050	12	7,122	48.3	175	75	50.7	140
3500K	1,440	12	9,317	50.7	240	75	73.0	128
4000K	700	12	5,171	46.2	116	75	32.3	160
4000K	1,050	12	7,393	48.3	175	75	50.7	145
4000K	1,440	12	9,702	50.7	240	75	73.0	133

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



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

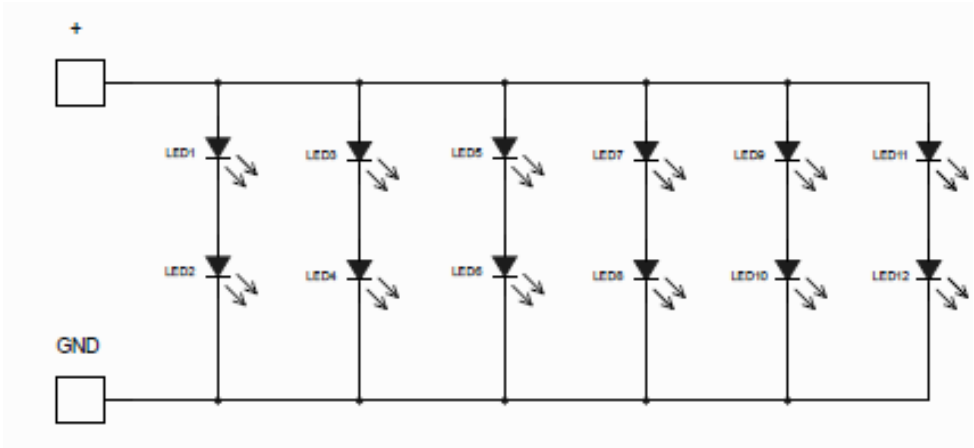


LED TYPE

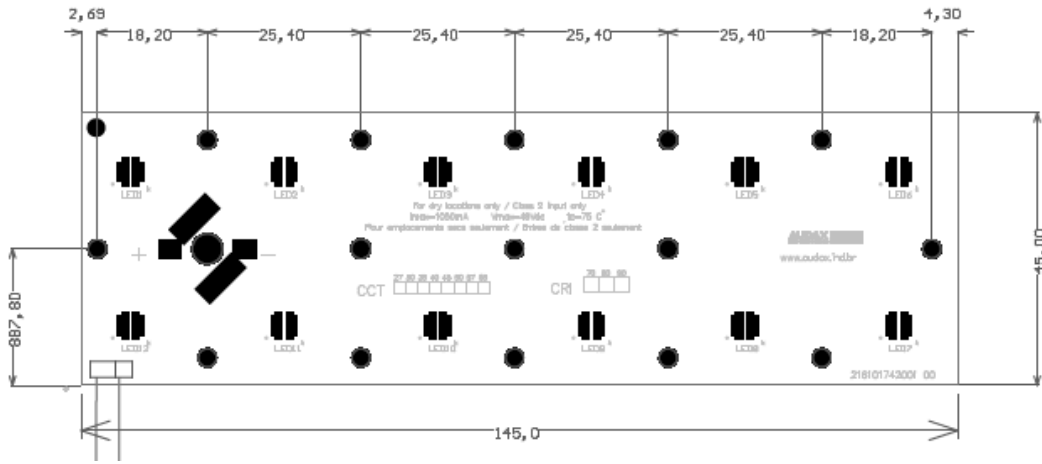
Manufacturer: Lumileds

LED Series: Luxeon 5050 24V

SCHEMATICS



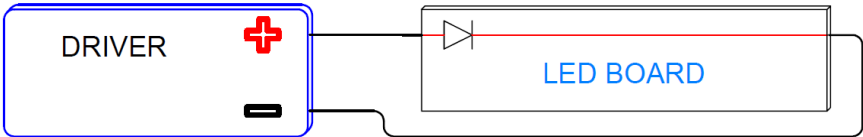
MECHANICAL DRAWINGS



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 on www.ledil.com