

LIGHT ENGINE 210X50.8MM 2X8 FOR 2X2 LENSES

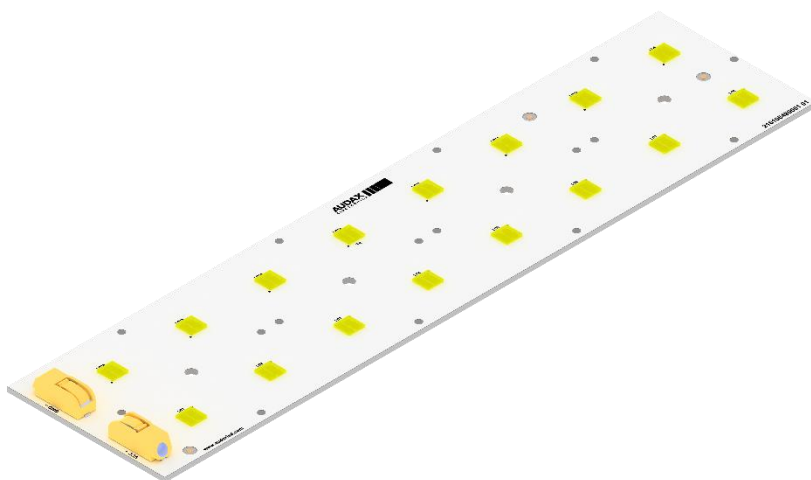
Issue Date	July, 2022
Issued by	Carmo, K.

Applications

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

Characteristics

- Module Efficacy – up to 190 lm/W
- L70 > 50,000 hours
- CRI > 70 (Typ.75)
- 03 SDCM
- CCTs 3000K/4000K/5000K
- 05 years warranty



Parameter	Nominal	Max
Light Engine 210x50.8mm 2x8 for 2x2 Lenses	350mA	800mA

MODULE TEMPERATURES

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

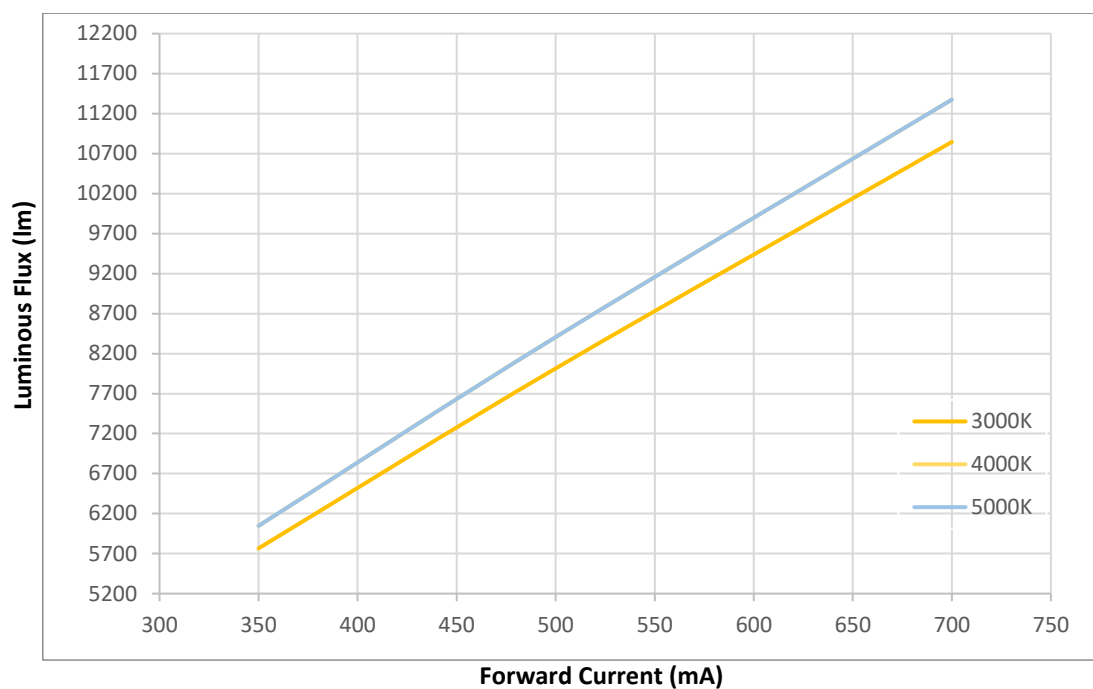
PRODUCT PART NUMBER

80458200100	80442600100	80449600100
3000K	4000K	5000K

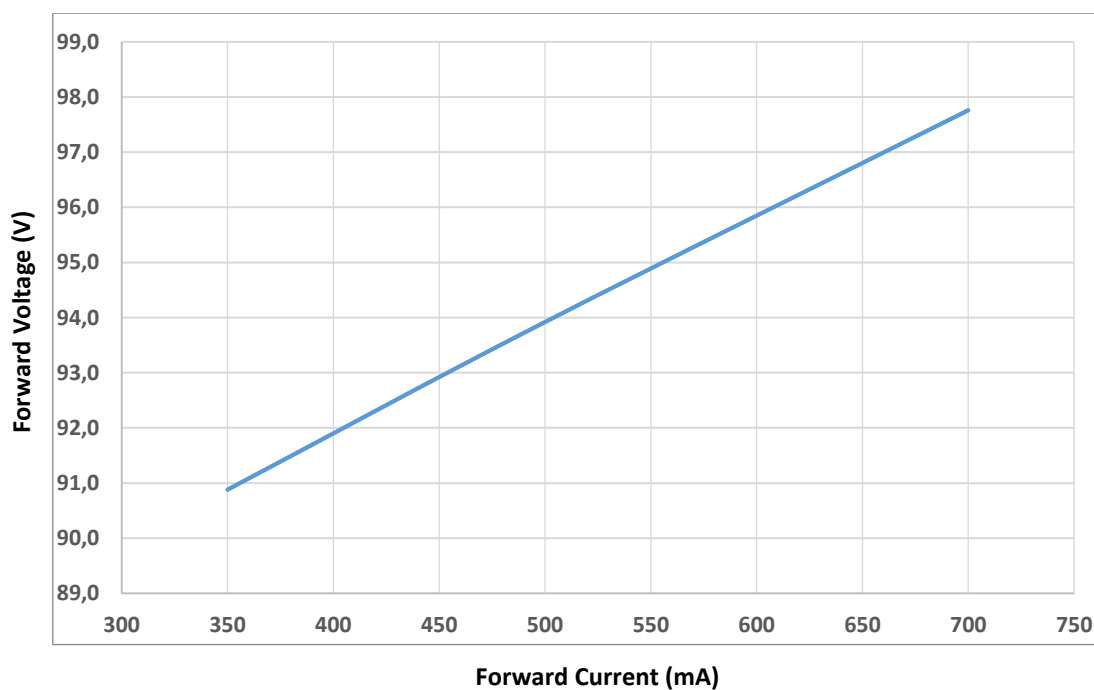
TECHNICAL INFORMATION

CCT	LED Driver Current (mA)	# LEDs	Luminous Flux (lm)	Forward Voltage (V)	LED Forward Current (mA)	TC (°C)	Power (W)	Efficacy (lm/W)
3000K	350	16	5,766	90.9	350	75	31.8	181.3
3000K	500	16	8,015	93.9	500	75	47.0	170.7
3000K	700	16	10,846	97.8	700	75	68.4	158.5
4000K	350	16	6,047	90.9	350	75	31.8	190.1
4000K	500	16	8,406	93.9	500	75	47.0	179.0
4000K	700	16	11,375	97.8	700	75	68.4	166.2
5000K	350	16	6,047	90.9	350	75	31.8	190.1
5000K	500	32	8,406	93.9	500	75	47.0	179.0
5000K	700	32	11,375	97.8	700	75	68.4	166.2

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



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

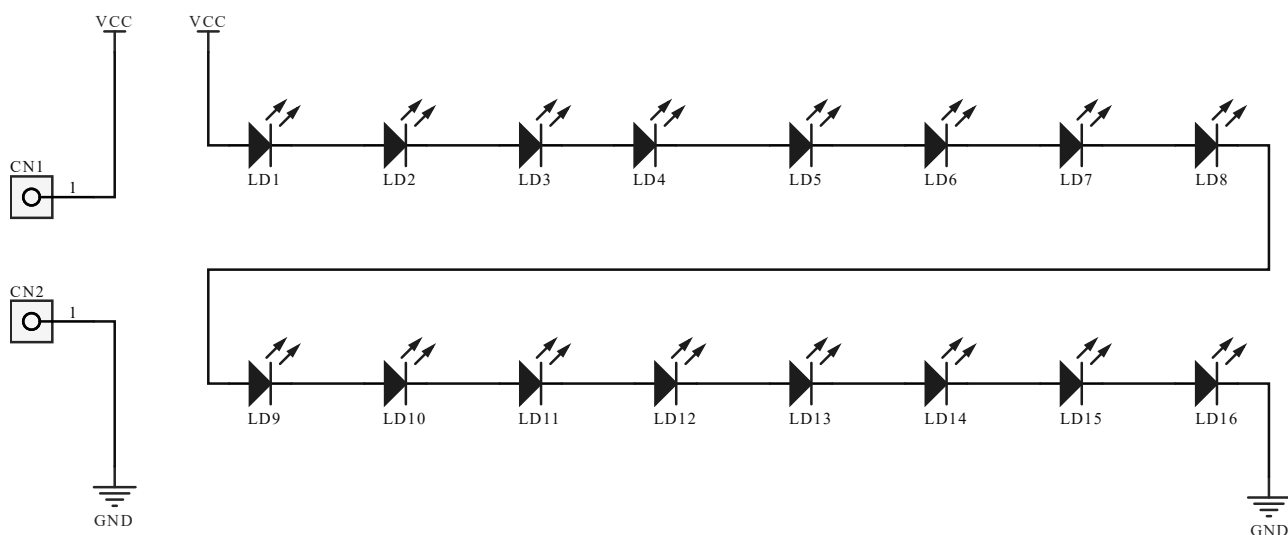


LED TYPE

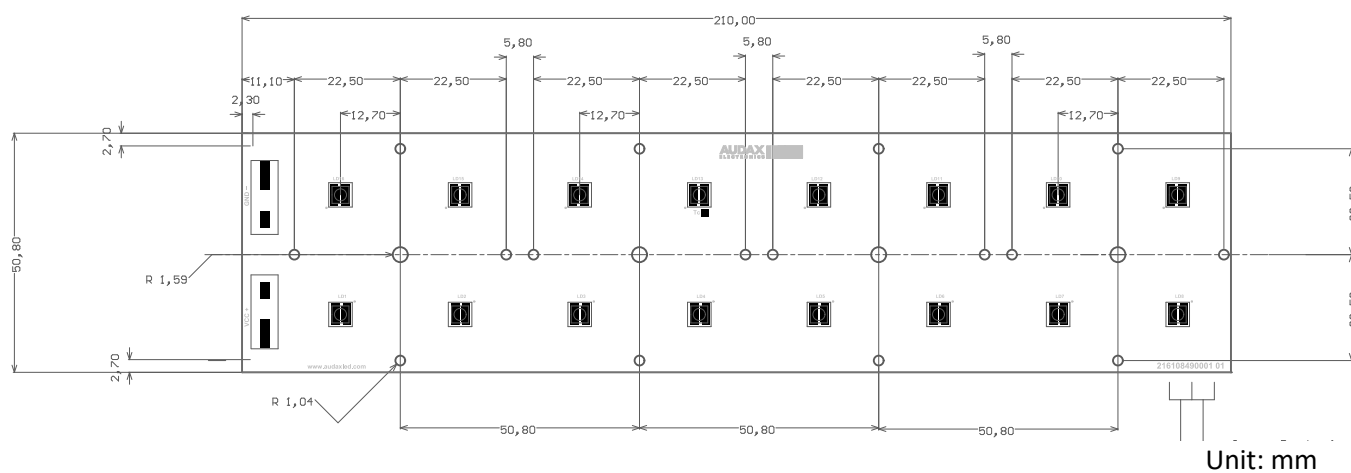
Manufacturer: OSRAM

LED Series: DURIS S 8 GW P9LR35.PM

SCHEMATICS



MECHANICAL DRAWING



WIRING

Specification item	Value	Unit	Condition
Input wire cross- section	0.12...0.51 26...20	mm ² AWG	Solid wire
Input wire strip length	7.5...8.5	mm	Solid wire
Input wire cross-section	0.12...0.51 26...20	mm ² AWG	Stranded wire
Input wire strip length	7.5...8.5	mm	Stranded wire