

Issue Date	December, 2020
Issued by	Vegner, I.

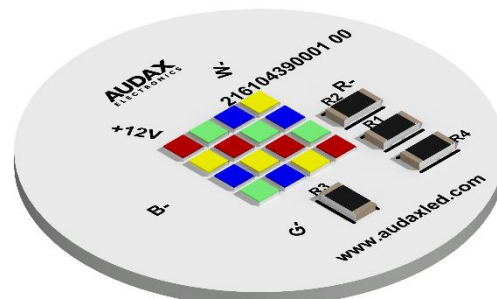
LIGHT ENGINE COB 16 LEDs RGBW 30mm

Applications

- Projectors
- Light cannons

Characteristics

- Module Efficacy – up to 185 lm/W
- L70 > 60.000 hours
- 03 SDCM
- 05 years warranty



DRIVING SPECIFICATION

Description	Typical Voltage	Typical Current (per channel)
LIGHT ENGINE COB 16 LEDs RGBW 30mm	11.36	250mA

MODULE TEMPERATURES

Parameter	Nominal	Max
Tc (temperature at Tc point)	75 °C	95 °C

TECHNICAL INFORMATION

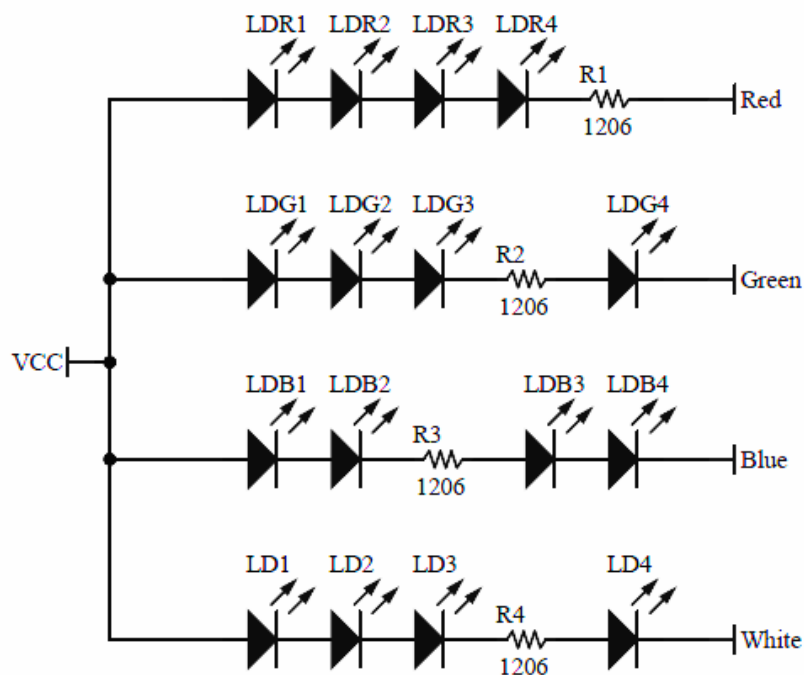
	Color	# LEDs	CCT/ Wavelength	Luminous Flux (lm)	Forward Voltage (V)	Forward Current Per LED Die (mA)	Tc (°C)	Power per Channel (W)	Efficacy (lm/W)
80279800100	Red	4	640nm	85,3	11.36	250	75	2.9W	29
	Green	4	520nm	538,4	11.36	250	75	2.9W	185
	Blue	4	450nm	55,6	11.36	250	75	2.9W	19
	White	4	2700K	326,8	11.36	250	75	2.9W	112

LED TYPE

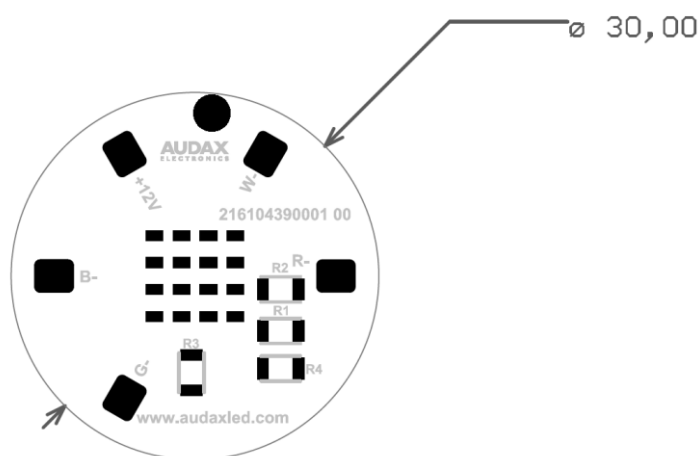
Manufacturer: NICHIA

LED Series: E17 Family

SCHEMATICS



MECHANICAL DRAWING



WIRING

Unit: mm

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