



## RING 3.5 in 42 LED

- Designed for architectural fixtures and projects specifically downlights
- Suitable for DLC 4.0 and 5.0
- Constant Current LED module
- 3-step MacAdam LED chips standard
- Maximum efficiency and better heat dissipation
- UL recognized module and ROHS compliant
- Designed for high lumen applications

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	G042NI032089-2780	5000K	G042NI032089-5080
3000K	G042NI032089-3080	6000K	G042NI032089-6080
3500K	G042NI032089-3580	6500K	G042NI032089-6580
4000K	G042NI032089-4080		

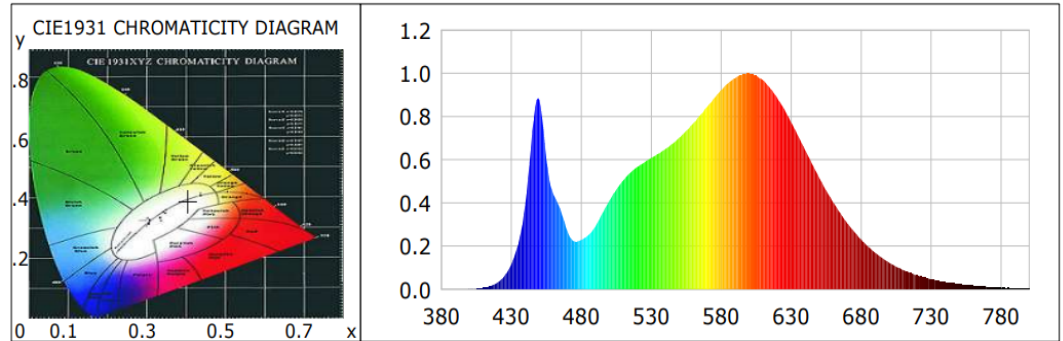
*For 90 CRI modules the 80 changes to 90 (e.g. G042NI032089-2790-CC00)*

### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	1419 lm	3435 lm
	3000K	1461 lm	3537 lm
	3500K	1494 lm	3615 lm
	4000K	1500 lm	3627 lm
	5000K	1554 lm1	3708 lm
Efficacy	2700K	182 lm/W	154 lm/W
	3000K	188 lm/W	159 lm/W
	3500K	192 lm/W	162 lm/W
	4000K	193 lm/W	163 lm/W
	5000K	200 lm/W	167 lm/W
Forward CURRENT		195 mA	500 mA
Forward VOLTAGE		39.9 Vdc	44.52 Vdc
POWER		7.77 W	22.29 W

*All calculations are based on using Nichia 3-step chip, 80CRI in 25°C*

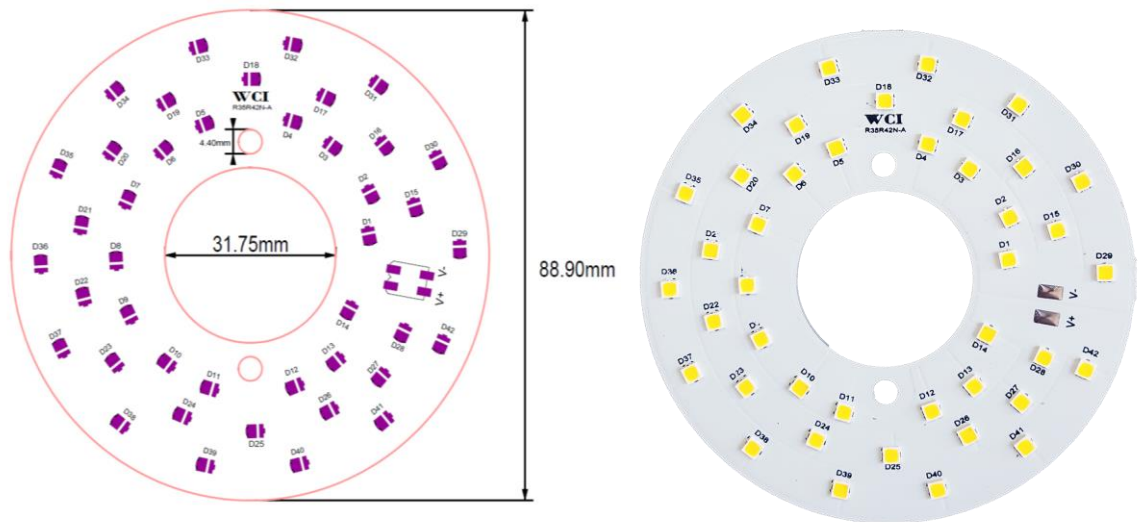
### 3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

<b>Chromaticity coordinates</b>	x=0.4013 y=0.3884	<b>Color Ratio</b>	R=0.200 G=0.768 B=0.032
<b>Peak Wavelength</b>	599.2nm	<b>Half Bandwidth</b>	145.2nm
<b>Dominant Wavelength</b>	580.2nm	<b>Color Purity</b>	0.370
<b>Color Quality Scale</b>	Qa= 83.0, Qf= 83.2, Qp= 82.8, Qg= 92.7		

### 4- Module Dimension and Schematic



Schematic Circuit: 3S x 14LED =42 LEDs