



LED Cool Room / Hot Room Canopy Light

Using the same high efficacy chips and diffuser as our market leading Ultra II High Bay range, our Ultra II Canopy LED Light leads the way for both cool room and hot room applications.

Designed with ease and speed of installation in mind, together with higher building thermal performance, the Ultra II Canopy LED does not require a large cutout into the sandwich panel.

Delivering improved thermal performance for Longer lifespan and higher efficiency:

- Constructed from 1060 Aluminium, with a high 230 W/(m*K) heat transfer rate
- More chips at each wattage than competitor products
- A graphene wafer bonds the LED circuit board to the heat sink for greater thermal conductivity. Unlike thermal grease, it won't deteriorate over time so thermal performance is maintained



E1601

Performance Specifications

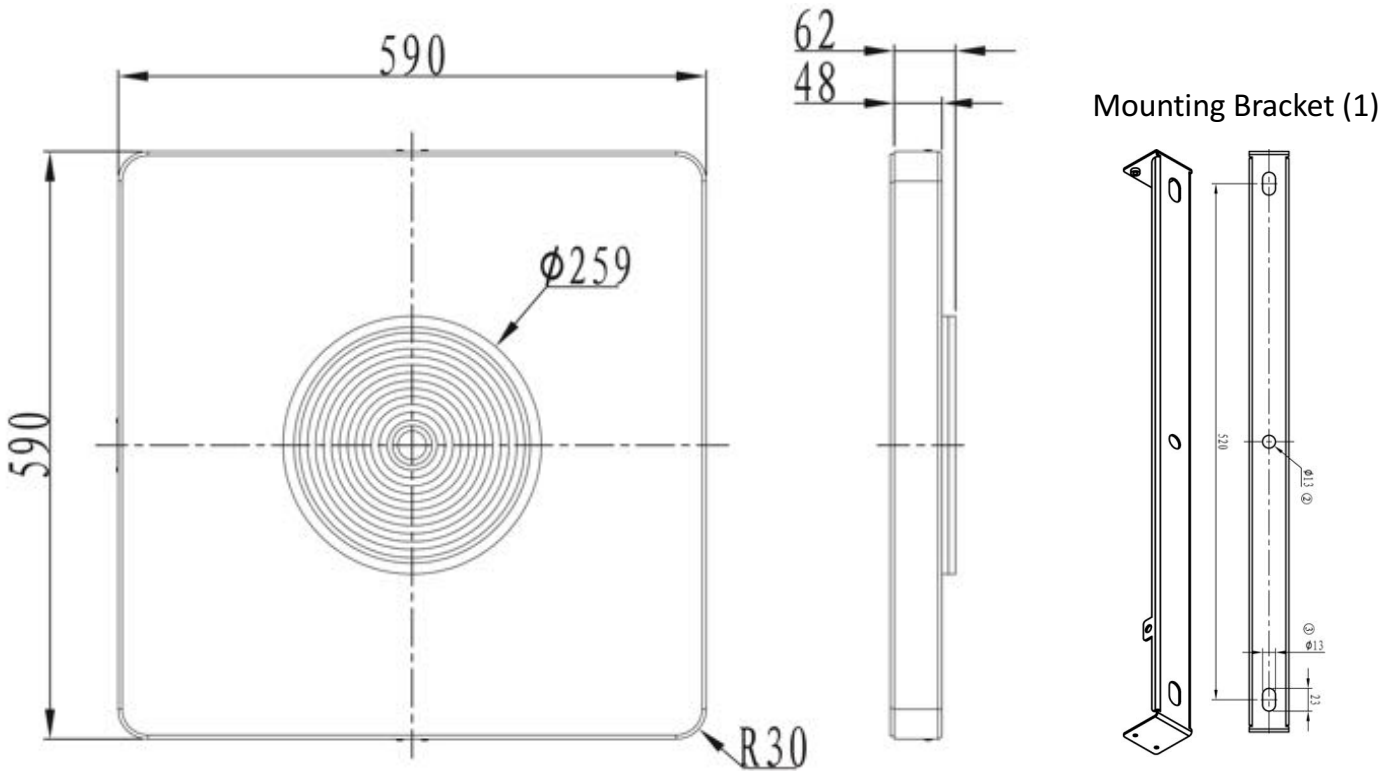
- Nichia chips from Japan last over 60,000hours to 90% lumen maintenance (L₉₀ using TM-21)
- Chip efficacy exceeding 175lm/W. Total lamp efficacy up to 162lm/W
- Inventronics drivers with over 120,000 average lifespan rating (MTBF at 25°C). DALI option available. Driver can be integrated (as pictured) or remote mounted
- Protection Against: Short circuit / Over current / Over voltage / Over temperature
- Large, Cold Forged High Purity Aluminium heat sink with 2.6 times the thermal conductivity of traditional alloys used for lamps
- Dimmable with Intelligent Lighting Control options available (daylight harvesting, presence control & combination) to further reduce energy consumption
- Slim Profile
- IP65
- 60°, 90° and 120° beam options
- 5 year warranty

Inside View - Integrated Driver Option



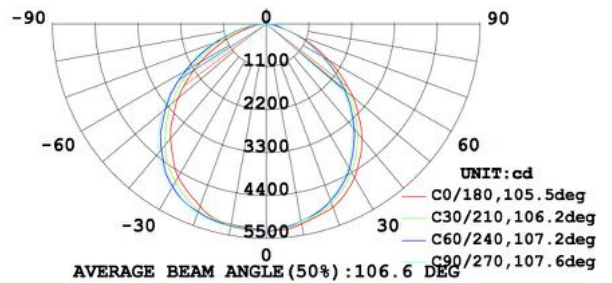
Model	Power	Independent Lab Test lm/W	Typical Light Output*	Ambient Temp Rating	Colour Temp	CRI	Power Factor
U2CL-060	60W	158.9	8,050 lm	Integrated Driver -40°C to +50°C High Temp Model -40°C to +65°C	5000K (2700-5500K available) ≤ 2.5 SDCM	Standard 75 High CRI Option Available	>0.96
U2CL-080	80W	153.3	10,800 lm				
U2CL-100	100W	159.0	15,300 lm				
U2CL-120	120W	155.1	18,300 lm				
U2CL-150	150W	162.2	23,200 lm				
U2CL-180	180W	158.7	27,000 lm				
U2CL-240	240W	151.3	35,100 lm				
*Based on typical configuration. Refer to Lens information							

Dimensions & Optical



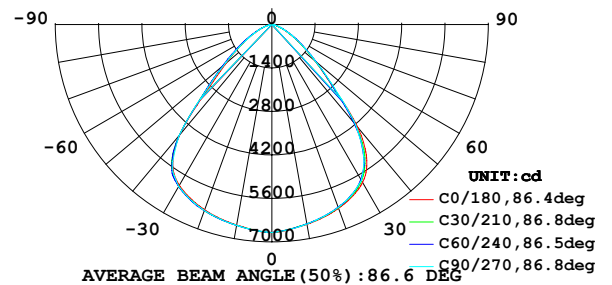
Half Frosted, Half Opal Lens

Low Glare Solution with Wide Beam
Designed for Low Ceiling Use



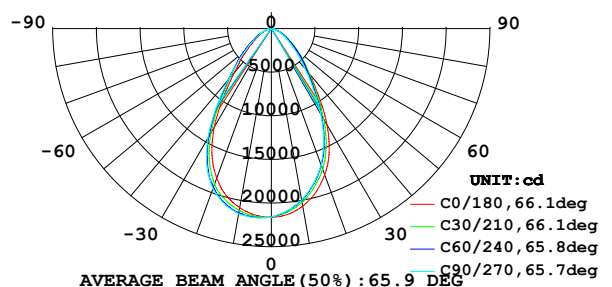
Annular 90° Lens

Standard on 100W, 120W, 150W Models

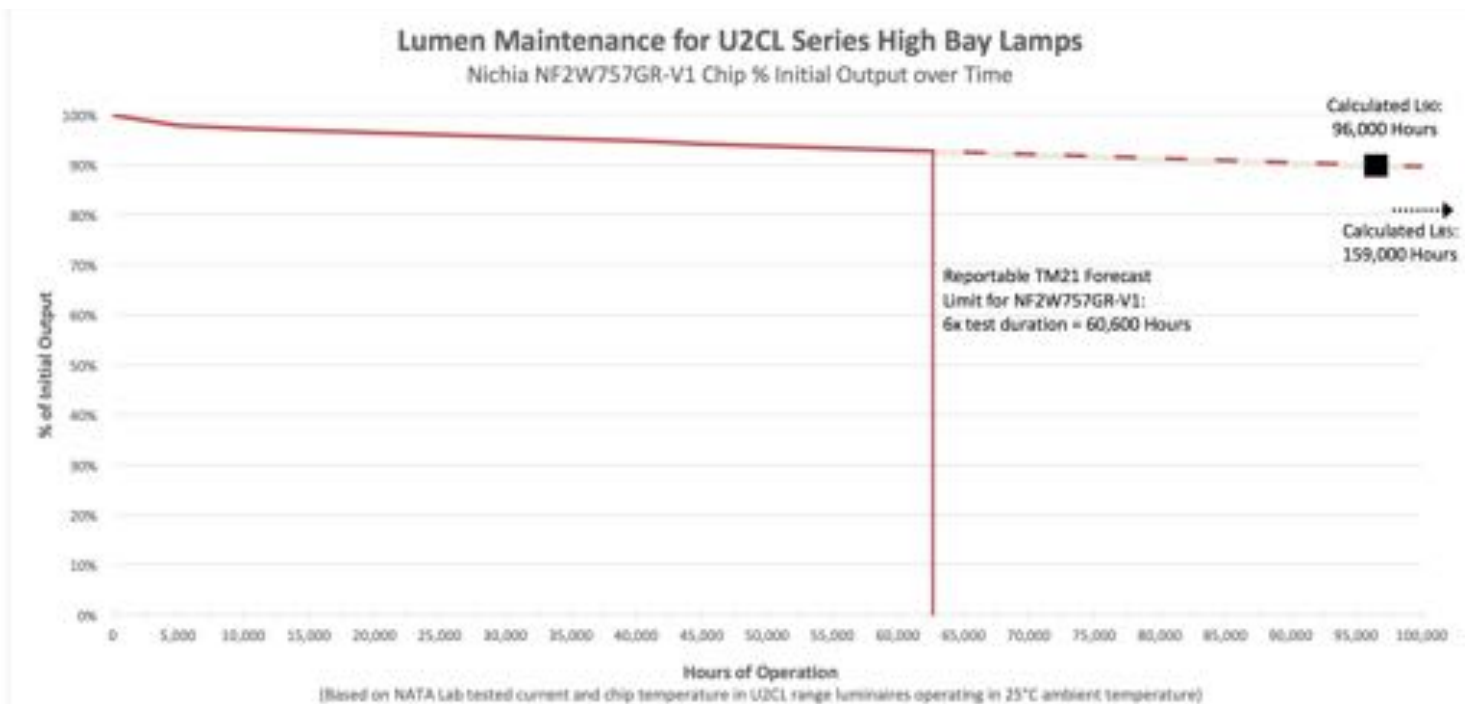


Annular 60° Lens

Standard on 180W and 240W Models



Lumen Maintenance & Lifetime



Applicable LM-80 Test Results			Tolerances	
Actual Operation	LM-80 Test Results – TM-21 Calculations		Chip Tolerances per Nichia Specification	
	Lifespan	Calculated		Reportable
<65°C Case Temperature	L ₉₀	96,000 Hrs	60,600 Hrs	100°C Case Temperature 200 mA Drive Current
	L ₈₅	159,000 Hrs	60,600 Hrs	
<70mA Drive Current	L ₇₀	372,000 Hrs	60,600 Hrs	

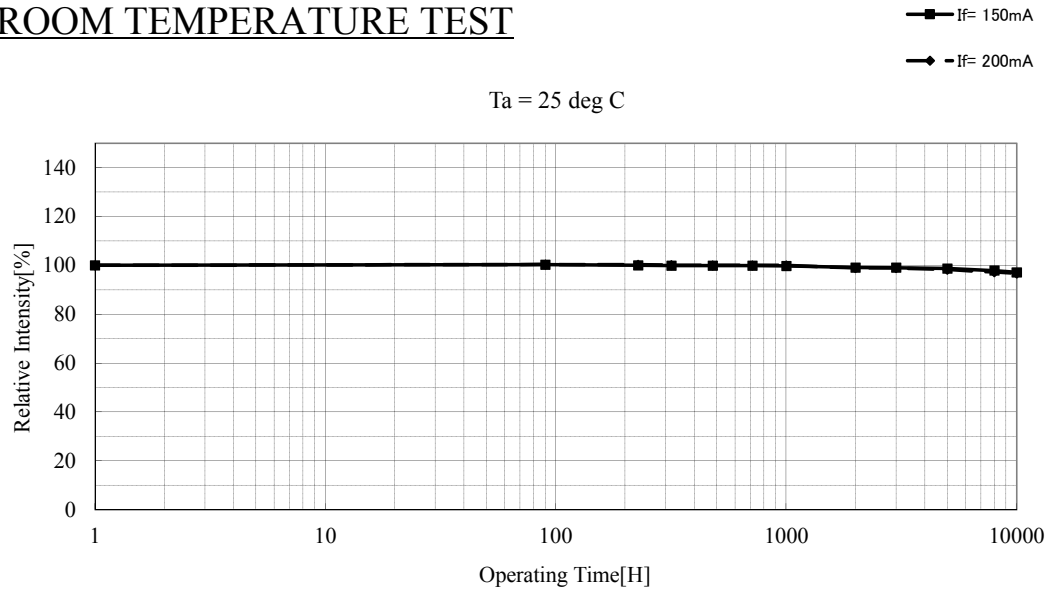
Chip lifetime information (L90B10, L70B50 etc) is available on request. As most LED chip lifetime data is not produced by independent laboratories however, competitor claims on these values can be highly exaggerated. Using lifetime data as a comparison tool or selection criteria is strongly discouraged.

NF2W757GR-V1 WHITE LED Life Data

Samples : 10000H 8pcs.
Reflow : 260°C MAX
Rja ≈ 34°C/W

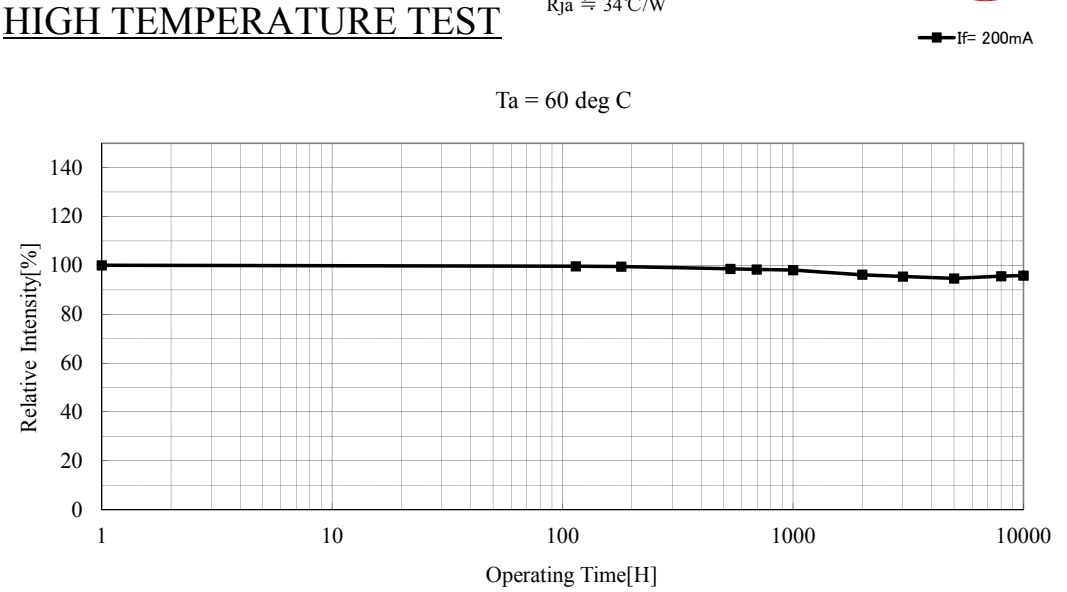
ROOM TEMPERATURE TEST

Ta = 25 deg C



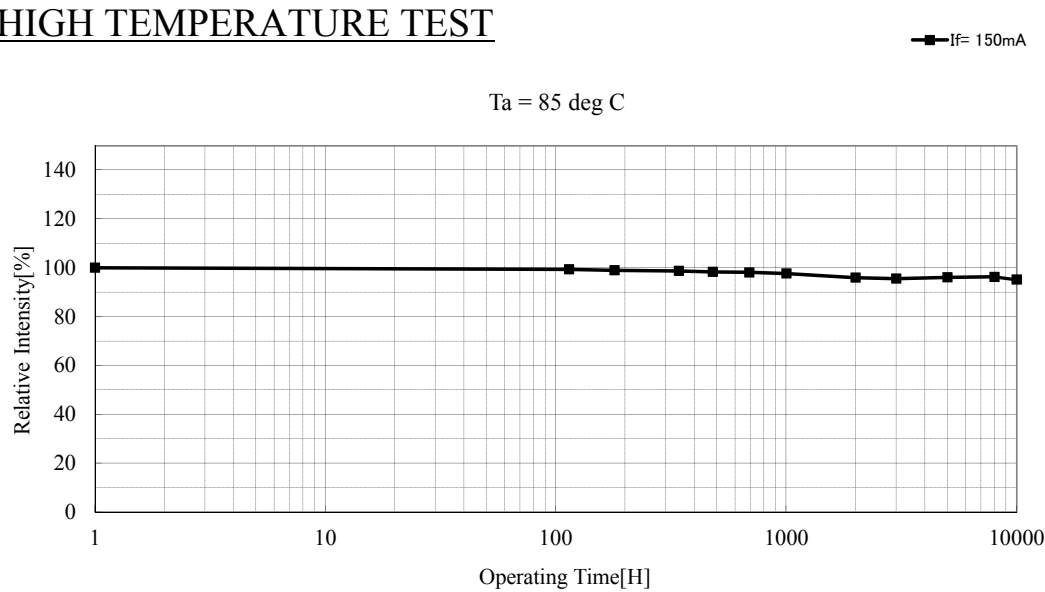
HIGH TEMPERATURE TEST

Ta = 60 deg C



HIGH TEMPERATURE TEST

Ta = 85 deg C



HIGH TEMPERATURE & HIGH HUMIDITY

Ta = 60 deg C, RH = 90%

