







## DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

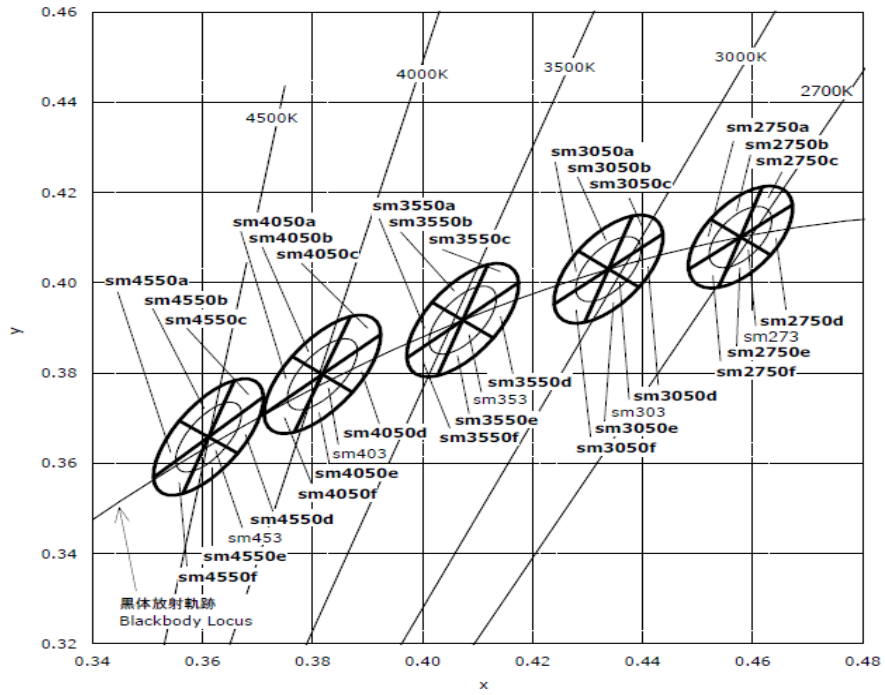
Common Characteristic [ @Tj : 85°C ] ;			
Module Code	X-MS17050NCxx-NF2W757GRV3-48		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-25 ~ +100°C	Parallel	8
Storage Temperature (°C)	-25 ~ +100°C	Series	6
Thermal Conductivity (W/m-K)	1,5	LED Quantity	48
LED	NF2W757GR-V3_R8000		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	34	35	37
Module Operating Current (mA)	700	1050	1400
Branch Operating Current (mA)	88	131	175
Module Power (W)	23,52	36,23	52,08
Module Light Output (lm)	3.787	5.398	7.187
Module Efficiency (lm/W)	161	149	138
LED	3030 2D-SQ_x21		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	35	36	37
Module Operating Current (mA)	700	1050	1400
Branch Operating Current (mA)	88	131	175
Module Power (W)	24,23	37,80	52
Module Light Output (lm)	4.217	6.048	7708
Module Efficiency (lm/W)	174	160	148

The table below shows how to Module Light Output changes depending on CCT (°K)

LED	Lumen Output Multiplier						
	2000°K	2500°K	2700°K	3000°K	4000°K	5000°K	6500°K
3030 2D-SQ_x21	X	0,75	0,93	0,95	1,00	1,00	1,05
NF2W757GR-V3_R8000	0,67	X	0,96	0,98	1,00	1,02	0,99



## CCT AND BINNING INFORMATION



## LIFE TIME

MODEL NUMBER: NF2W757GR-V3



Report No. : SQETMS257501

## LM-80 Test Report

This LM-80 testing is performed in accordance with IES LM-80-15.

## Part No. NF2W757GR-V3

Issue Date: October 9, 2020      Revision Date: -  
 Test Initiation Date: February 19, 2018      Test Completion Date: March 17, 2020  
 Test Duration: 10,000 hours      Report No.: SQETMS257501

## Customer Information:

Company Name: Nichia Corporation  
 Address: 491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima, 774-8601, JAPAN

## Description of Test Samples:

Manufacturer's Name: Nichia Corporation  
 Classification: LED Package  
 Part Name: White LED  
 Part No.: NF2W757GR-V3  
 Nominal CCT: 2700 K

## Test Summary:

Data Set	Case Temperature [°C]	Ambient Temperature [°C]	Drive Current [mA]	Luminous Flux Maintenance at 10K hours [%]	Chromaticity Shift (Δu'v') at 10K hours	TM-21 Projection L <sub>60</sub> (10K) [hours]	TM-21 Projection L <sub>50</sub> (10K) [hours]	TM-21 Projection L <sub>30</sub> (10K) [hours]
1	55	> 50	100	98.0	0.0024	> 60000	> 60000	> 60000
2	55	> 50	150	97.7	0.0023	> 60000	> 60000	> 60000
3	55	> 50	200	97.6	0.0027	> 60000	> 60000	> 60000
4	85	> 80	100	97.2	0.0022	> 60000	> 60000	> 60000
5	85	> 80	150	96.7	0.0025	> 60000	> 60000	> 60000
6	85	> 80	200	96.4	0.0028	> 60000	> 60000	> 60000
7	105	> 100	100	95.2	0.0032	> 60000	> 60000	33300
8	105	> 100	150	95.0	0.0035	> 60000	> 60000	34900
9	105	> 100	200	92.9	0.0043	51500	32400	15400



Approved Signatory:

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