

DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;			
Module Code	X-MS4385NCxx-NVSW319B-16		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +100	Parallel	1
Storage Temperature (°C)	-40 ~ +55	Series	16
Thermal Conductivity (W/m-K)	1>	LED Quantity	16
LED NVSW319B_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	44	45	47,84
Module Operating Current (mA)	350	700	1400
Branch Operating Current (mA)	350	700	1400
Module Power (W)	15,23	31,81	66,98
Module Light Output (lm)	2.513	4.803	8841
Module Efficiency (lm/W)	165	151	132
LED NVSW219F-V1_R8000			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	45	46	46,4
Module Operating Current (mA)	350	700	1400
Branch Operating Current (mA)	350	700	1400
Module Power (W)	15,62	32,48	64,96
Module Light Output (lm)	2.500	4.742	8185
Module Efficiency (lm/W)	160	146	126
LED NVSW219F_R70			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	45	46	48,96
Module Operating Current (mA)	350	700	1400
Branch Operating Current (mA)	350	700	1400
Module Power (W)	15,62	32,48	68,54
Module Light Output (lm)	2.812	5.262	9459
Module Efficiency (lm/W)	180	162	138

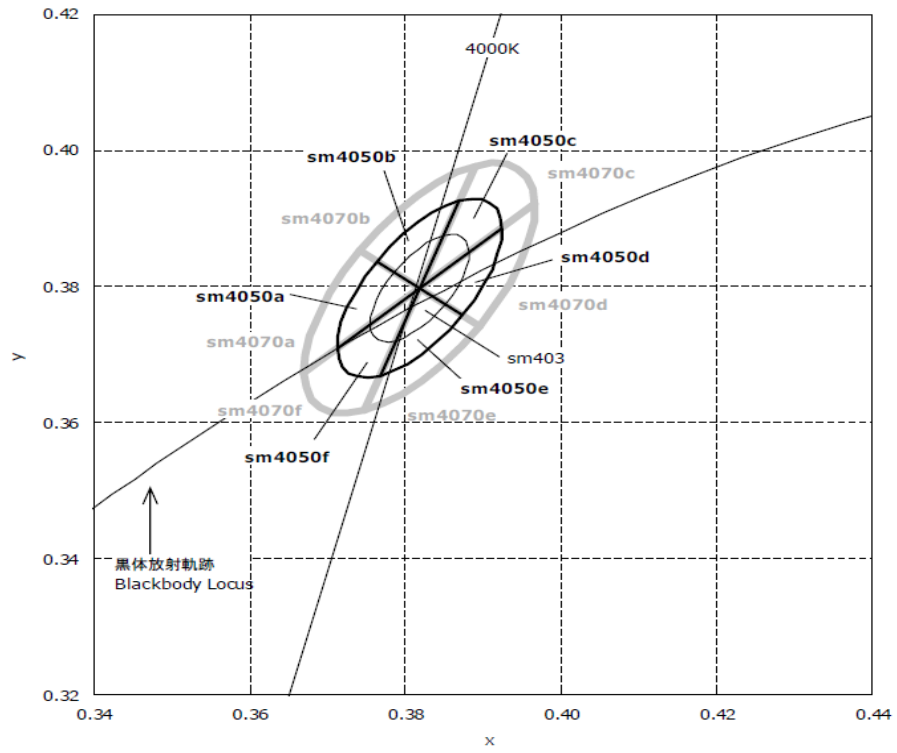
The table below shows how to Module Light Output changes depending on CCT (°K)

Lumen Output Multiplier					
LED	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
NVSW319B_R8000	0,92	0,94	1,00	1,01	0,98
NVSW219F-V1_R8000	0,88	0,92	0,96	0,97	0,94

Lumen Output Multiplier					
LED	2700°K (CRI 70)	3000°K (CRI 70)	4000°K (CRI 70)	5000°K (CRI 70)	6500°K (CRI 70)
NVSW219F_R70	0,93	0,95	1,00	1,01	X

Relative luminous intensity versus CCT (°K)

CCT AND BINNING INFORMATION



LIFE TIME

MODEL NUMBER: NVSW319B

Test Summary:

Data Set	Case Temperature [°C]	Ambient Temperature [°C]	Drive Current [mA]	Lumen Maintenance at 10K hours [%]	Chromaticity Shift ($\Delta u'v'$) at 10K hours	TM-21 Projection L70(10K) [hours]	TM-21 Projection L80(10K) [hours]	TM-21 Projection L90(10K) [hours]
1	55	> 50	1050	98.5	0.0006	> 60000	> 60000	> 60000
2	55	> 50	1200	98.5	0.0007	> 60000	> 60000	> 60000
3	55	> 50	1500	98.2	0.0008	> 60000	> 60000	55500
4	85	> 80	1050	98.2	0.0008	> 60000	> 60000	> 60000
5	85	> 80	1200	98.0	0.0010	> 60000	> 60000	> 60000
6	85	> 80	1500	97.4	0.0014	> 60000	> 60000	45800
7	105	> 100	1050	97.6	0.0014	> 60000	> 60000	56600
8	105	> 100	1200	97.2	0.0016	> 60000	> 60000	44600
9	105	> 100	1500	88.2	0.0022	22800	15900	9870

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