

LED Specification & Test Result

Part No.	LUB503F43-C(B)	
Emitted Color	Lens Color	Chip Material
Super Blue	Water Clear	InGaN

Absolute Maximum Rating of Each Segment(Ta=25℃)

Parameter	symbol	Maximum Rating	Unit
Power Dissipation	P_M	120	mW
Pulse Forward Current(Duty 1/10@1kHz)	I_{pp}	100	mA
Continuous Forward Current	I_p	30	mA
Reverse Voltage	V_R	6	V
Operation Temperature	V_{opr}	-25 ~ -85	℃
Storage Temperature	V_{stg}	-40 ~ 100	℃
Soldering Temperature : 2.0mm from Body for 3 seconds at 260℃			

Electron-Optical Characteristics of Each Segment(Ta=25℃, $I_F=20mA$, $V_R=5V$)

Parameter	symbol	Maximum Rating	Unit
Luminous Intensity	I_v	3,000	mcd
Forward Voltage	V_F	3.17~3.8	V
Reverse Current	I_R	20	μA
Dominant Wavelength	λ_d	468	nm
Peak Emission Wavelength	λ_p	470	nm
Spectral Line Half Width	$\Delta \lambda$	20	nm
Viewing Angle	2θ 1/2	30	deg

Light-Output Test(White Mode)

<i>Base Value(mw/cm²)</i>	7
<i>Test Value(mw/cm²)</i>	7.18
<i>Tolerance(%)</i>	+2.57
Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	

Led Wavelenth

Base Value(nm)	430 ~ 530
Test Value(nm)	447 ~ 525
Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>	

LED Type	LUB503F43-C(B)	1 SET(Led 36ea)
Input Voltage(V)	3.2 ~ 3.4	
Power Dissipation(소비 전력)	120mW/ea	4,320mW
Wavelenth(λ)	468 ~ 472	
Luminous Intensity(광도)	3,000 ~ 4200mcd/ea, 4,000 ~ 5,600lux/ea, 12 ~ 16.8 lm(루멘)/ea	108,000 ~ 151,200mcd 144,000 ~ 201,600lux 432 ~ 604.8 lm(루멘)