



Big Sun Industry Co.,Ltd.

SPECIFICATION FOR APPROVAL

No.673, Song Shan Road, Taipei(110), Taiwan.

Tel: 886-2-27265106 Fax: 886-2-27263707

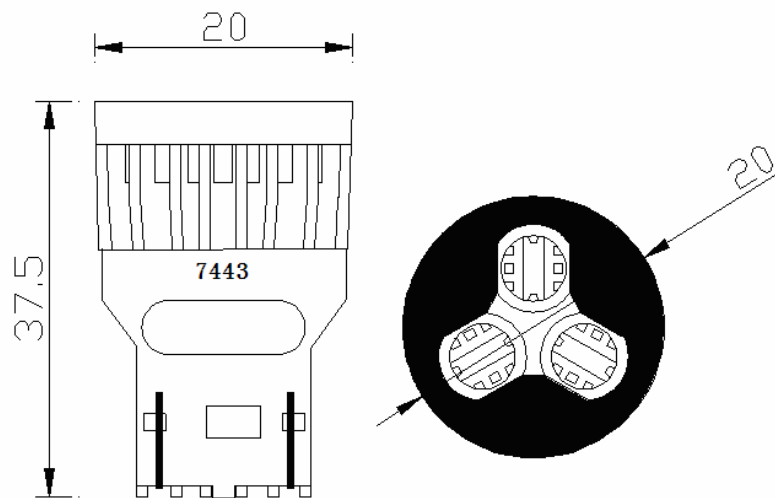
E-mail: millow@bsunlight.com [Http://www.bsunlight.com](http://www.bsunlight.com)

DESCRIPTION:

(A) Electronics and Optical Characteristics: Ta=25°C

PART NO	Emitting Color	Forward Voltage DC	Totally Luminous Intensity	Dominant Wavelength	Color Temperature	Single LED Intensity	Viewing Angle
		Unit: V	Unit: LM Error margin: ±25%	Unit: nm	Unit: K°	Unit: mcd	Unit: deg
7443-T20-3HP(R)-FLU	Super Red	14.2V	35.433/12.824	620~640	≤1000	4248~4400	100~120
7443-T20-3HP(Y)-FLU	Super Yellow	14.2V	26.663/10.593	590~600	1100~1300	2510~2670	100~120
7443-T20-3HP(G)-FLU	Ultra Green	14.2V	37.265/13.828	525~535	7300~7600	3450~3650	100~120
7443-T20-3HP(B)-FLU	Super Blue	14.2V	16.549/5.8691	465~475	≥30000	1500~1790	100~120
7443-T20-3HP(W)-FLU	Super White	14.2V	69.718/25.803	X:0.295 Y:0.302	7000~9000	8540~8780	100~120
Test Condition	Power: 2.5/0.71W Current: 170/50 ± 10% mA					IR max: 0.01mA; VR max: 5V IF=40mA	

Figure:



7443-3HP-FLU

(B) Absolute Maximum Ratings AT Ta=25°C

PARAMETER	MAX	UNIT
Continuous Forward Current		mA
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)		mA
Reverse Voltage		V
Operating Temperature Range	-20°C to +90°C	
Storage Temperature Range	-40°C to +100°C	
Lead Solder Temperature 1.6mm Below Package 260°C For 5 seconds		

APPROVED & CHECKED BY: Stanley Chen Tested By: Lai Con an Date: 2007/01/11