

## Spectrum Test Report

Sample :  
Specification : UTFS-BSCOB320-2410CW-6500K  
Sample No. : 4  
Manufacturer :

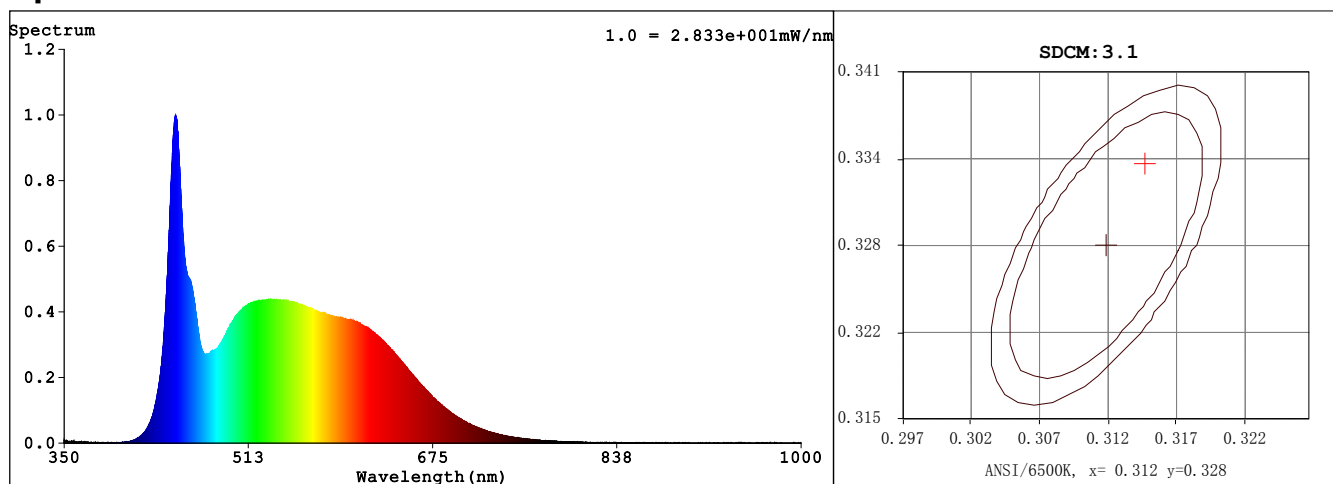
Date : 2020-09-17 19:10:29  
Sam. Status : 6500K  
Instrument : HAAS-2000(EVERFINE)  
Test by : CHM  
Assessor : damin

### Test Condition

Temperature : 25.3Deg  
WL Range : 350nm-1000nm  
Test Mode : Fast Test

RH : 65.0%  
IP : 51762 (79%)  
T : 702 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3148$   $y = 0.3340$  /  $u' = 0.1974$   $v' = 0.4713$  ( $duv=4.67e-03$ )  $Dx, Dy: -0.0010, 0.0081$

CCT= 6358K Prcp WL:  $L_d=0.0nm$  Purity=1.4%

Peak WL:  $L_p=448nm$  FWHM:  $=20.0nm$  Ratio: R=14.6% G=79.3% B=6.1%

Render Index:  $R_a = 90.7$

R1 =90 R2 =93 R3 =94 R4 =92 R5 =90 R6 =89 R7 =94

R8 =84 R9 =51 R10=82 R11=92 R12=69 R13=91 R14=97 R15=87

LEVEL:OUT WHITE:ANSI\_6500K

### Photometric & Radiometric Parameters

Flux = 819.43 lm Eff. : 107.27 lm/W  $Fe = 2.7924 W$

(EQE):386%

Flux of emitted photons( $\mu mol/s$ ):12.686 Fluo. and blue light ratio:3.173 Fluorescent eff.:278.0

A:  $9.0410e-001mW$

B:  $2.7924e+003mW$

Photons1: $3.397e+000 \mu mol/s(400\sim 500nm)$  Photons2: $3.546e+000 \mu mol/s(600\sim 700nm)$

### Electrical parameters

V = 24.00 V I = 0.3183 A P = 7.639 W PF = 1.000

Freq=0.00 Hz

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Sample No. : 4  
Manufacturer :

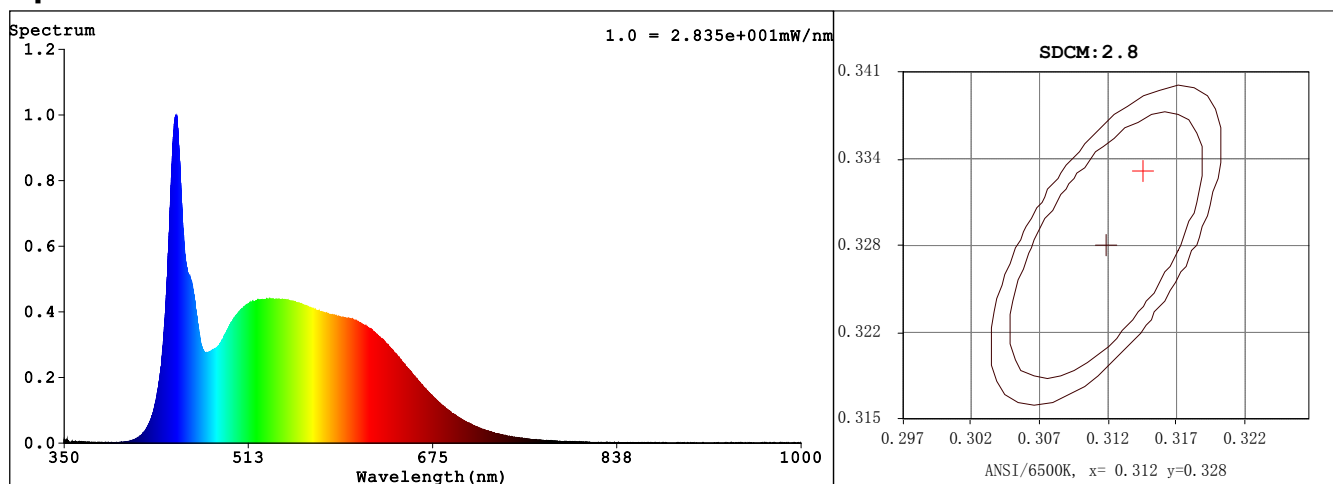
Date : 2020-09-17 19:10:52  
Sam. Status : 6500K  
Instrument : HAAS-2000(EVERFINE)  
Test by : CHM  
Assessor : damin

### Test Condition

Temperature : 25.3Deg  
WL Range : 350nm-1000nm  
Test Mode : Fast Test

RH : 65.0%  
IP : 51935 (79%)  
T : 702 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3147$   $y = 0.3335$  /  $u' = 0.1975$   $v' = 0.4710$  ( $duv=4.47e-03$ )  $Dx, Dy: -0.0010, 0.0078$

CCT= 6368K Prcp WL:  $L_d=0.0nm$  Purity=1.4%

Peak WL:  $L_p=449nm$  FWHM:  $=20.6nm$  Ratio:  $R=14.7\%$   $G=79.2\%$   $B=6.1\%$

Render Index:  $R_a = 90.8$

$R_1 = 90$   $R_2 = 93$   $R_3 = 94$   $R_4 = 92$   $R_5 = 90$   $R_6 = 89$   $R_7 = 94$

$R_8 = 84$   $R_9 = 52$   $R_{10} = 83$   $R_{11} = 92$   $R_{12} = 69$   $R_{13} = 91$   $R_{14} = 97$   $R_{15} = 88$

LEVEL:OUT WHITE:ANSI\_6500K

### Photometric & Radiometric Parameters

Flux = 824.34 lm Eff. : 106.81 lm/W  $Fe = 2.8127 W$

(EQE):384.77%

Flux of emitted photons( $\mu mol/s$ ):12.777 Fluo. and blue light ratio:3.177 Fluorescent eff.:277.3

A:  $8.5799e-001mW$

B:  $2.8127e+003mW$

Photons1: $3.433e+000 \mu mol/s(400\sim 500nm)$  Photons2: $3.569e+000 \mu mol/s(600\sim 700nm)$

### Electrical parameters

$V = 24.00 V$   $I = 0.3216 A$   $P = 7.718 W$  PF = 1.000

Freq=0.00 Hz

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 Specification : UTFS-BSCOB320-2410CW-6500K  
 Sample No. : 4  
 Manufacturer :

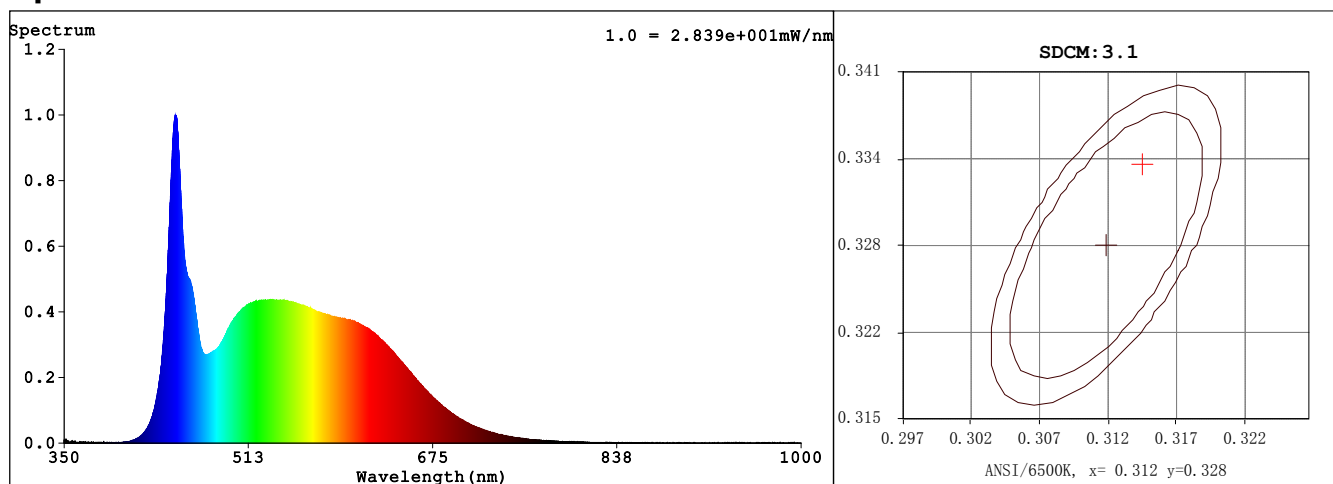
Date : 2020-09-17 19:11:58  
 Sam. Status : 6500K  
 Instrument : HAAS-2000(EVERFINE)  
 Test by : CHM  
 Assessor : damin

### Test Condition

Temperature : 25.3Deg  
 WL Range : 350nm-1000nm  
 Test Mode : Fast Test

RH : 65.0%  
 IP : 51762 (79%)  
 T : 702 ms  
 Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3147$   $y = 0.3340$  /  $u' = 0.1973$   $v' = 0.4712$  ( $duv=4.74e-03$ )  $Dx, Dy: -0.0010, 0.0082$

CCT= 6368K Prcp WL:  $L_d=0.0nm$  Purity=1.4%

Peak WL:  $L_p=448nm$  FWHM:  $=19.5nm$  Ratio:  $R=14.6\%$   $G=79.3\%$   $B=6.1\%$

Render Index:  $R_a = 90.6$

$R_1 = 90$   $R_2 = 92$   $R_3 = 94$   $R_4 = 91$   $R_5 = 90$   $R_6 = 89$   $R_7 = 94$

$R_8 = 84$   $R_9 = 51$   $R_{10} = 82$   $R_{11} = 91$   $R_{12} = 69$   $R_{13} = 91$   $R_{14} = 97$   $R_{15} = 87$

LEVEL:OUT WHITE:ANSI\_6500K

### Photometric & Radiometric Parameters

Flux = 819.38 lm Eff. : 107.20 lm/W  $Fe = 2.7906 W$

(EQE):385.44%

Flux of emitted photons( $\mu mol/s$ ):12.676 Fluo. and blue light ratio:3.153 Fluorescent eff.:277.3

A:  $9.4979e-001mW$

B:  $2.7906e+003mW$

Photons1: $3.397e+000 \mu mol/s(400\sim 500nm)$  Photons2: $3.537e+000 \mu mol/s(600\sim 700nm)$

### Electrical parameters

$V = 24.00 V$   $I = 0.3185 A$   $P = 7.643 W$  PF = 1.000

Freq=0.00 Hz