

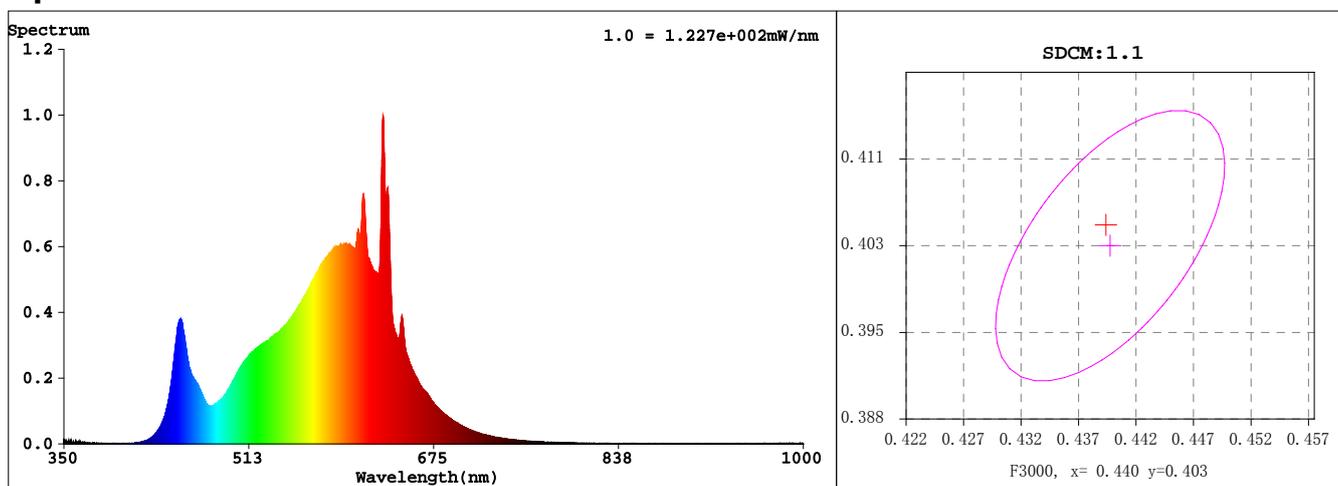
## Spectrum Test Report

|               |                                   |             |                       |
|---------------|-----------------------------------|-------------|-----------------------|
| Sample        | : CHE24MB603                      | Date        | : 2024-12-02          |
| Specification | : CH3355U 30W 3000K UGR 1*4 160LM | Sam. Status | : OK                  |
| Sample No.    | : CH-BG7-2422163-02               | Instrument  | : HAAS-2000(EVERFINE) |
| Manufacturer  | : CHLIGHTING                      | Test by     | : 沈凌江                 |
|               |                                   | Assessor    | : damin               |

### Test Condition

|             |                |             |               |
|-------------|----------------|-------------|---------------|
| Temperature | : 23.4 °C      | RH          | : 65.0%       |
| WL Range    | : 350nm-1000nm | IP          | : 50974 (78%) |
| Test Mode   | : Fast Test    | T           | : 69 ms       |
|             |                | Sensitivity | : High        |

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4396$   $y = 0.4048$  /  $u' = 0.2520$   $v' = 0.5221$  ( $duv = -6.18e-05$ )

CCT= 2960K Prcp WL:  $L_d = 583.0nm$  Purity=53.5%

Peak WL:  $L_p = 631nm$  FWHM: =70.0nm Ratio:R=23.3% G=74.2% B=2.5%

Render Index:  $R_a = 83.0$  White Factor: 0.02651  $v'_{white} = 0.5248$  TM30:Rf=84 Rg=96

R1 =82 R2 =91 R3 =96 R4 =81 R5 =82 R6 =90 R7 =83

R8 =60 R9 =10 R10=80 R11=80 R12=70 R13=84 R14=99 R15=74

TLCI Parameters: TLCI = 69.4

### Photometric & Radiometric Parameters

Flux = 3832.1 lm Eff. : 123.68 lm/W Fe = 11.115 W

(EQE):3615%

### Electrical parameters

V = 230.0 V I = 0.1429 A P = 30.98 W PF = 0.9429

Kdisp(IEC) = 0.9526 Freq=49.99 Hz I THD = 11.27 V THD = 0.04089

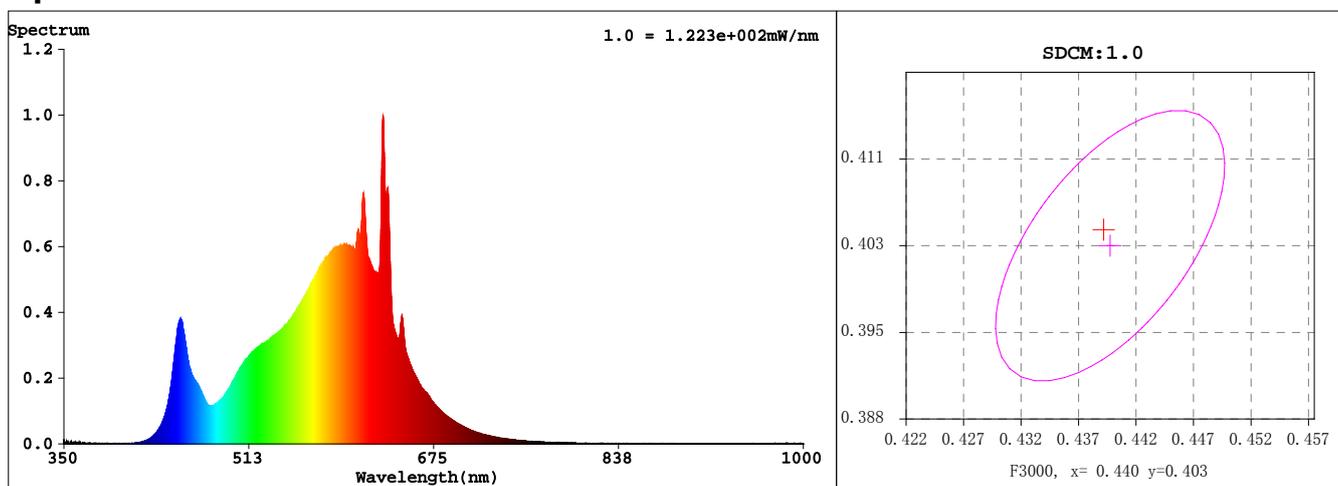
## Spectrum Test Report

|               |                                   |             |                       |
|---------------|-----------------------------------|-------------|-----------------------|
| Sample        | : CHE24MB603                      | Date        | : 2024-12-02          |
| Specification | : CH3355U 30W 3000K UGR 1*4 160LM | Sam. Status | : OK                  |
| Sample No.    | : CH-BG7-2422163-05               | Instrument  | : HAAS-2000(EVERFINE) |
| Manufacturer  | : CHLIGHTING                      | Test by     | : 沈凌江                 |
|               |                                   | Assessor    | : damin               |

### Test Condition

|             |                |             |               |
|-------------|----------------|-------------|---------------|
| Temperature | : 23.6 °C      | RH          | : 65.0%       |
| WL Range    | : 350nm-1000nm | IP          | : 50813 (78%) |
| Test Mode   | : Fast Test    | T           | : 69 ms       |
|             |                | Sensitivity | : High        |

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4394$   $y = 0.4044$  /  $u' = 0.2520$   $v' = 0.5219$  ( $duv = -2.06e-04$ )

CCT= 2963K Prcp WL:  $L_d = 583.1\text{nm}$  Purity=53.3%

Peak WL:  $L_p = 631\text{nm}$  FWHM: =69.7nm Ratio:R=23.3% G=74.2% B=2.5%

Render Index:  $R_a = 83.1$  White Factor: 0.023194  $v'_{\text{white}} = 0.5246$  TM30:Rf=84 Rg=96

R1 =82 R2 =92 R3 =96 R4 =81 R5 =82 R6 =90 R7 =83

R8 =60 R9 =11 R10=81 R11=80 R12=70 R13=84 R14=99 R15=74

TLCI Parameters: TLCI = 69.5

### Photometric & Radiometric Parameters

Flux = 3813.0 lm Eff. : 123.53 lm/W Fe = 11.057 W

(EQE):3601.6%

### Electrical parameters

V = 230.0 V I = 0.1427 A P = 30.87 W PF = 0.9406

Kdisp(IEC) = 0.9510 Freq=49.99 Hz I THD = 11.69 V THD = 0.02881