



Lightsource Test Report

Product Infomation

Product Type: 2835 120D 24V IP65 5M WW

Product Spec: WW

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4465$ $y=0.4200$ $u(u')=0.2499$ $v=0.3526$ $v'=0.5289$

CCT: $T_c=2971K$ ($duv=0.00492$)

Color Ratio: $R=0.239$ $G=0.734$ $B=0.026$

Peak Wavelength: 620.9nm

Half Bandwidth: 168.6nm

Dominant Wavelength: 581.4nm

Color Purity: 0.601

Central Wave: 600.4nm

Gravity Wave: 621.0nm

CRI: $R_a=91.5$

TM30: $R_f=89$, $R_g=95$

GAI: $GAI_BB_8=81.3$, $GAI_BB_15=90.0$, $GAI_EES=46.0$

$R1=91$

$R2=94$

$R3=97$

$R4=91$

$R5=90$

$R6=94$

$R7=93$

$R8=82$

$R9=58$

$R10=86$

$R11=91$

$R12=73$

$R13=92$

$R14=98$

$R15=87$

Color Quality Scale: $Q_a=89.7$, $Q_f=91.5$, $Q_p=90.0$, $Q_g=90.9$

$Q1=87$

$Q2=94$

$Q3=91$

$Q4=88$

$Q5=89$

$Q6=89$

$Q7=91$

$Q8=93$

$Q9=91$

$Q10=88$

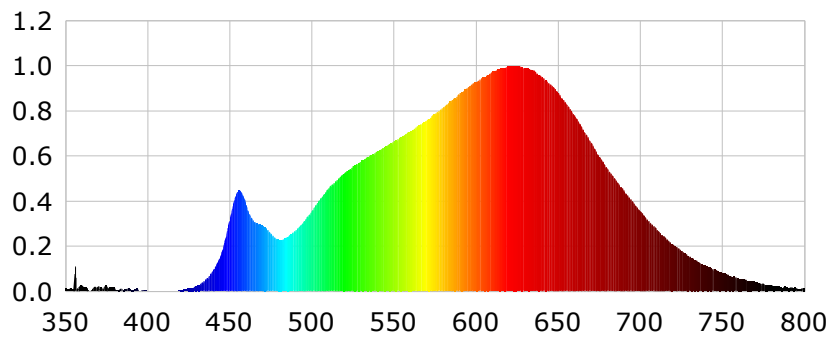
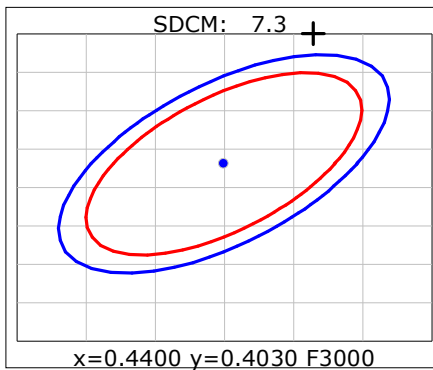
$Q11=90$

$Q12=92$

$Q13=93$

$Q14=87$

$Q15=88$



Photometric Parameters

Luminous Flux: 3814.0 lm

Efficiency: 82.62 lm/W

Radiant Power: 13.051 W

Total mains efficacy: 82.62 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 24.001V

Current: 1.9234A

Power: 46.16W

Power Factor: 1.0000

Frequency: 0.00Hz

Test Information

Scan Range: 350~800:1nm

Photometric Method: sphere-photometer (spec_rev)

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.75m, 4 π

Max of Signal: 44326 (3486)

CCD Integration Time: 256.29 ms

Condition: $T_x:31.4^{\circ}C$, $T_i:31.4^{\circ}C$, R.H.:60%

Test Lab: Banqcn

Operator: Admin

Test Device: Inventfine CMS-3500S

Test Time: 2022-07-11 09:30:15

Inspector: