

## Spectral test report for “Wildlife Friendly” Halo Vandal Resistant Solar Bollard

Product type: Halo Vandal Resistant Solar Bollard  
 Product No: SOLBV003  
 Manufacturer: Solar Lighting Designs

Test time: 31<sup>st</sup> March 2021 10:02:11  
 Test equipment: SPEC-2000 Spectrometer  
 Operator: Richard

### CIE Color Parameter

Chromaticity coordinates:  $x=0.6928$   $y=0.3054$   $u=0.5249$   $v=0.3471$   $u^*=0.5249$   $v^*=0.5207$

Color temperature: 1004 K (duv = -0.07708)

Color difference: SDCM (CIE)=191.2

Main Wl:  $\lambda_d = 493.98$  nm Purity: 0.626

Peak wavelength:  $\lambda_p = 628.6$

FWHM:  $\Delta\lambda_p = 21.6$  nm

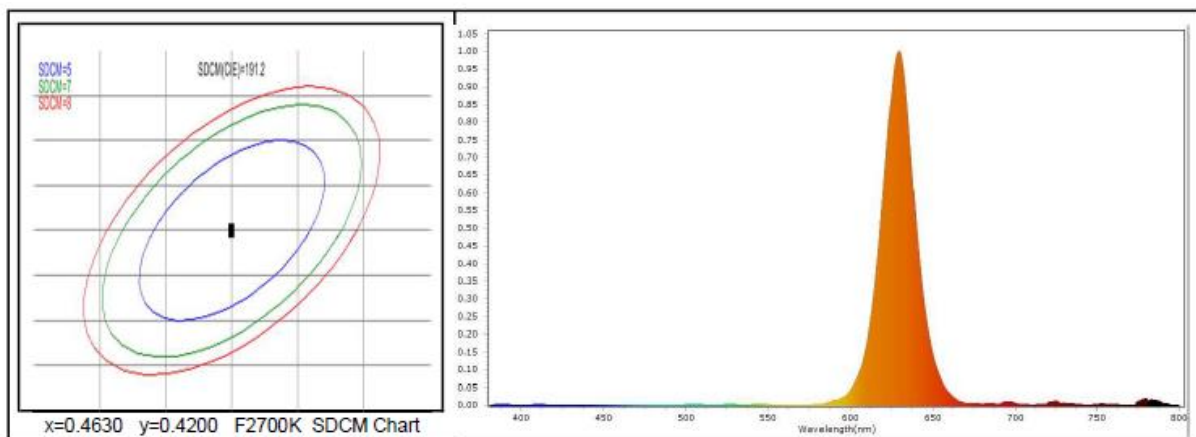
Color ratio: R=0.967 G=0.033 B=0.000

Color rendering index: CRI=21.76

R1=-2.4 R2=67.9 R3=46.9 R4=-4.0 R5=22.7 R6=87.9 R7=-7.0 R8=-81.4 R9=-229.4  
 R10=58.2 R11=11.4 R12=74.0 R13=26.2 R14=70.4 R15=-45.0

Color Quality Scale (CQS): Qa=-5.1 Qf=-3.9 Qp=46.4 Qg=22.7 Q1=-3.2 Q2=66.9 Q3=46.0 Q4=-4.9

Q5=21.7 Q6=87.1 Q7=-7.8 Q8=-82.4 Q9=-230.3 Q10=57.3 Q11=10.4 Q12=73.2  
 Q13=25.4 Q14=69.4 Q15=-45.9



### Test Information

Temperature: 25.0Deg C  
 Humidity: 65%  
 Test range: 380-800nm: 1nm  
 Peak AD: 49409 (75.4%)  
 Preheat time: 0 (min)  
 Integral time: 3500.05 (ms)

