

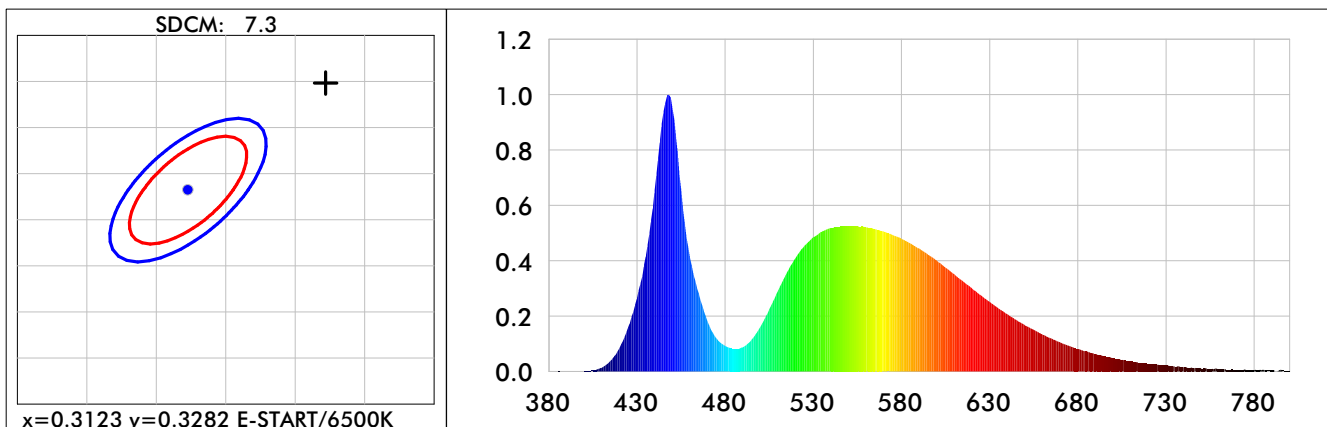
## Lightsource Test Report

### Product Information

Product Type: LED 50 W linear project lamp      Product Number: 31  
Manufacturer: Solight

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3222$   $y=0.3398$   $u(u')=0.2003$   $v=0.3169$   $v'=0.4754$   
 CCT:  $T_c=5970K$  ( $duv=0.00406$ )      Color Ratio:  $R=0.124$   $G=0.843$   $B=0.033$   
 Peak Wavelength: 447.7nm      Half Bandwidth: 20.8nm  
 Dominant Wavelength: 499.4nm      Color Purity: 0.034  
 CRI:  $R_a=70.6$       TM30:  $R_f=67$ ,  $R_g=93$   
 $R1=71$      $R2=70$      $R3=65$      $R4=77$      $R5=72$      $R6=59$      $R7=79$      $R8=68$   
 $R9=-15$     $R10=26$     $R11=75$     $R12=31$     $R13=68$     $R14=80$     $R15=69$   
 Color Quality Scale:  $Q_a=70.5$ ,  $Q_f=69.3$ ,  $Q_p=74.0$ ,  $Q_g=89.3$   
 $Q1=83$      $Q2=93$      $Q3=62$      $Q4=54$      $Q5=66$      $Q6=71$      $Q7=78$      $Q8=87$   
 $Q9=87$      $Q10=71$     $Q11=64$     $Q12=67$     $Q13=71$     $Q14=62$     $Q15=71$



### Photometric Parameters

Luminous Flux: 5253.58 lm      Efficiency: 108.30 lm/W      Radiant Power: 15.203 W  
 EEI: 0.13      Energy Efficiency Class: A+ (EU 874-2012)

### Electric Parameters

Voltage: 229.60V      Current: 0.2170A      Power: 48.51W  
 Power Factor: 0.9720      Frequency: 49.99Hz

### Test Information

Scan Range: 380~800:1nm      Photometric Method: sphere-spectroradiometer  
 Stabilization Time: 0 ms      Photometric Condition: Sphere diameter: 2.00m, 4PI  
 Max of Signal: 45424 (3012)      CCD Integration Time: 70.64 ms

Condition:  $T_x=28.6^\circ C$ ,  $T_i=26.8^\circ C$ , R.H.:60%  
 Test Lab:  
 Operator:

Test Device: Lisun LMS-9000A(Plus)  
 Test Time: 2017-08-30 11:40:05  
 Inspector: