

Lightsource Test Report

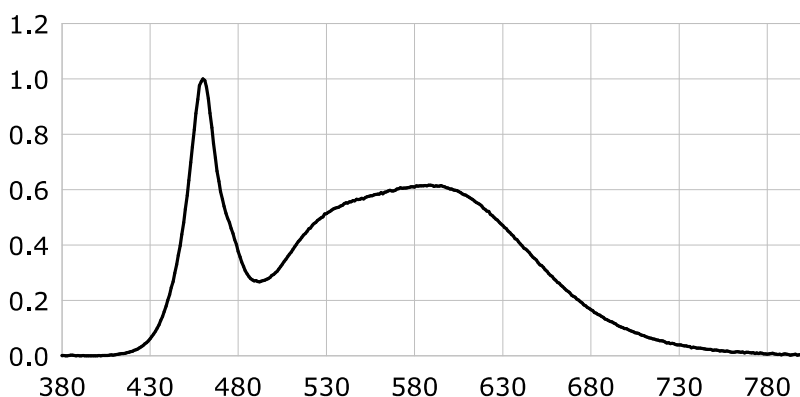
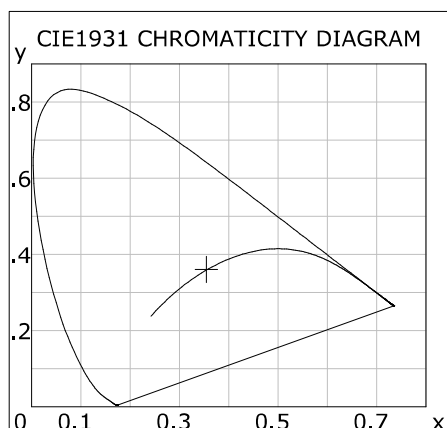
Product Information

Product Type: LED
Product Number: 70

Product Spec: FG 50 3x25LED 0,3A 30W
Manufacturer: FAROS

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3546$ $y=0.3613$ $u(u')=0.2141$ $v=0.3272$ $v'=0.4907$
CCT: $T_c=4696K$ ($duv=0.00113$) Color Ratio: $R=0.168$ $G=0.782$ $B=0.050$
Peak Wavelength: 460.1nm Half Bandwidth: 24.5nm
Dominant Wavelength: 574.7nm Color Purity: 0.148
CRI: $R_a=84.8$ TM30: $R_f=79$, $R_g=91$
 $R_1=85$ $R_2=94$ $R_3=95$ $R_4=78$ $R_5=82$ $R_6=88$ $R_7=85$ $R_8=70$
 $R_9=25$ $R_{10}=82$ $R_{11}=76$ $R_{12}=56$ $R_{13}=88$ $R_{14}=98$ $R_{15}=80$
Color Quality Scale: $Q_a=82.3$, $Q_f=82.6$, $Q_p=80.7$, $Q_g=90.3$
 $Q_1=80$ $Q_2=95$ $Q_3=82$ $Q_4=72$ $Q_5=74$ $Q_6=76$ $Q_7=83$ $Q_8=89$
 $Q_9=98$ $Q_{10}=92$ $Q_{11}=87$ $Q_{12}=87$ $Q_{13}=86$ $Q_{14}=78$ $Q_{15}=80$



Photometric Parameters

Luminous Flux: 2089.35 lm
EEI: 0.12

Efficiency: 111.73 lm/W

Radiant Power: 6.617 W

Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 219.80V
Power Factor: 0.9360

Current: 0.0910A
Frequency: 50.00Hz

Power: 18.70W

Test Information

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45247 (3077)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 211.91 ms

Condition: $T_x=23.9^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-04-27 16:11:58
Inspector: