

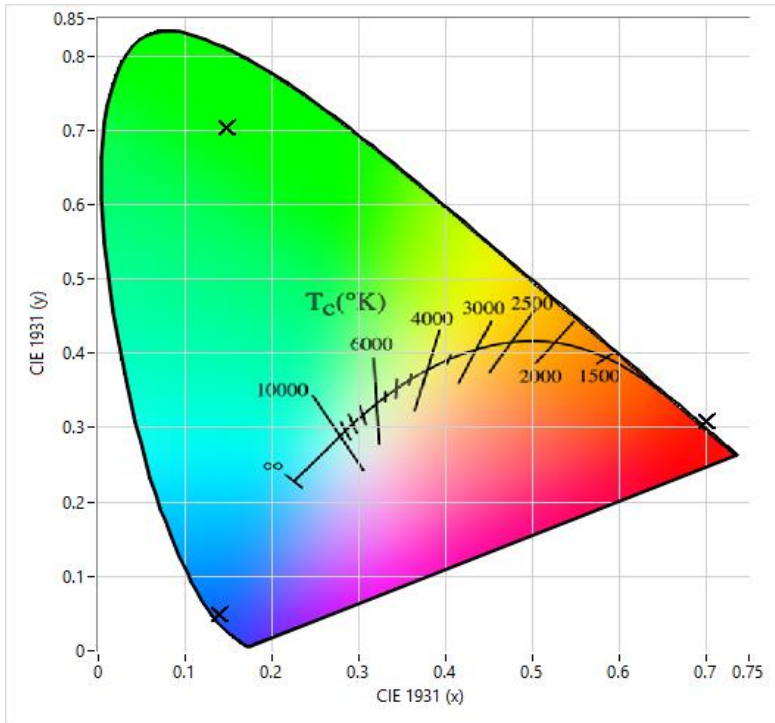
Integrating Sphere Test Report

WATERPROOF DIMMABLE LED MODULE, 3 LEDS PER HIGH BRIGHTNESS MODULE WITH 5050 LEDS, PLASTIC (RGB)

EL-M5050-3-RGB



EL-M5050-3-RGB



Photometric Test Results

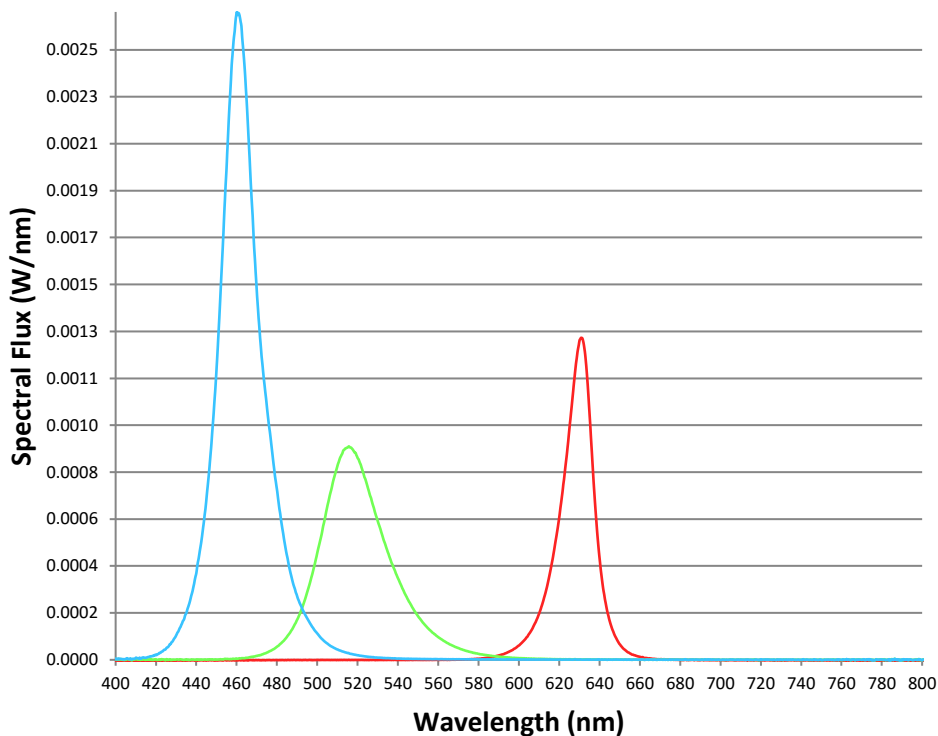
Red Total Radiant Flux* (W): 0.025389
 Red Total Luminous Flux* (lm): 5.330121
 Red CIE 1931 Tristimulus x: 0.701464
 Red CIE 1931 Tristimulus y: 0.307637
 Red CIE 1931 Tristimulus Y: 0.007809
 Red CIE 1976 Chroma u': 0.530537
 Red CIE 1976 Chroma v': 0.523517

Blue Total Radiant Flux* (W): 0.069073
 Blue Total Luminous Flux* (lm): 4.032688
 Blue CIE 1931 Tristimulus x: 0.139454
 Blue CIE 1931 Tristimulus y: 0.048787
 Blue CIE 1931 Tristimulus Y: 0.005913
 Blue CIE 1976 Chroma u': 0.168701
 Blue CIE 1976 Chroma v': 0.132791

Green Total Radiant Flux* (W): 0.035426
 Green Total Luminous Flux* (lm): 15.7716
 Green CIE 1931 Tristimulus x: 0.147549
 Green CIE 1931 Tristimulus y: 0.702829
 Green CIE 1931 Tristimulus Y: 0.023086
 Green CIE 1976 Chroma u': 0.052985
 Green CIE 1976 Chroma v': 0.567874

*Total radiant flux is per module.

Spectral Power Distribution



Spectral Response Characteristics

Red Peak Wavelength (nm): 630.96
Red Center Wavelength (nm): 629.41
Red Full Width (nm): 16.42
Red Centroid Wavelength (nm): 627.79
Red Dominant Wavelength (nm): 0
Red Purity: 0

Blue Peak Wavelength (nm): 460.72
Blue Center Wavelength (nm): 461.27
Blue Full Width (nm): 20.63
Blue Centroid Wavelength (nm): 463.12
Blue Dominant Wavelength (nm): 465
Blue Purity: 97.47075

Green Peak Wavelength (nm): 515.51
Green Center Wavelength (nm): 517.58
Green Full Width (nm): 35.21
Green Centroid Wavelength (nm): 520.63
Green Dominant Wavelength (nm): 520
Green Purity: 73.79017

Date of Test: 10/4/16
Length of Test Sample: 1 module
Measurement Geometry: 2pi
Voltage (V): 12

Environmental Lights
888-880-1800