

MANUFACTURER: Creceer Lighting Inc

MODEL NUMBER: QuantumX 50

PICTURE OF LUMINAIRE



TEST

Photosynthetically active radiation (PAR) & Electrical Measurement

TESTING CONDITIONS

Fixture is tested in Grow Tent as shown below. Ambient Temperature is at 25⁰ C.

TEST METHOD

Ambient temperature is set to 25⁰ C and is measured from the center of the fixture, within 1ft from the outside of the fixture. The sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

TEST EQUIPMENT

Asensetek Lighting Passport Pro, LLI 2M Sphere, Digital Power Meter

ELECTRICAL SUMMARY

Input Power: 49.97 W

Input Current (Amp): 0.416 Amps

Input Voltage (VAC/60HZ): 120.00 V

Input Power Factor: 0.99

Current ATHD @ 120V (%): 5%

Note: Test results are based on performance at 120V. Tolerance +/- 5%.

PHOTOMETRIC SUMMARY

Total PPF (umol/s): 125.42 umol/s

Total Lumens: 7899.39 lm

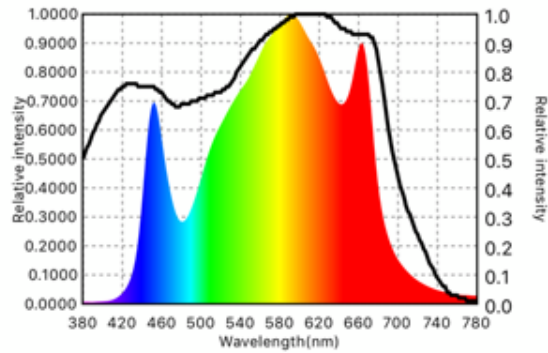
Efficiency (umol/J): 2.51 umol/J

CCT color Temperature: 3600K

SPECTRUM COMPARED TO MCCREES ACTION SPECTRUM

Original Spectrum

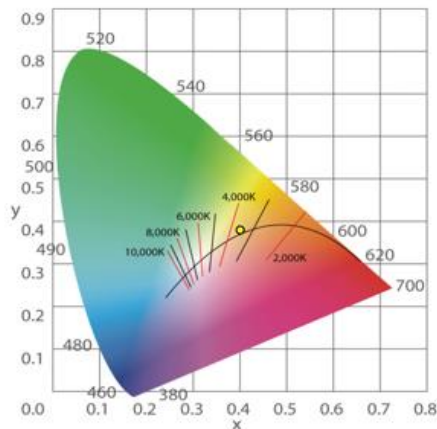
Ref.: McCREEs ACTION SPECTRUM



CIE1931 & CIE1976 CHARTS

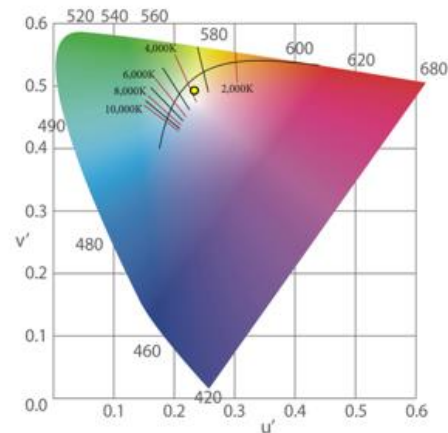
CIE1931

x:0.4029, y:0.3999 CCT: 3626 K



CIE1976

u':0.2304, v':0.5147 CCT: 3626 K



Note: Test results are based on performance at 120V. Tolerance +/- 5%.