

urban garden

QUANTUM 100

SPECIFICATIONS

Light Source	LED
Spectrum	IR Pro Spectrum
Light Output PPF	280 µmol/s
Efficacy	2.8 µmol/J@240V
AC Input Power	210W@120V,200W@240V
AC Input Voltage	100-277V
Light Distribution	120°
Mounting Height Above Canopy	6"-18"(15-45cm)
Thermal Management	Passive
Max. Ambient Temperature/Humidity	95F(35°C),90% RH
Dimming	0-10V Dimming
Total Harmonic Distortion (THD)	<10% at 100% Output
Lifetime (Driver and LED Q90)	50000hrs
IP Rating per IEC60598-1	IP65
Certifications	CE RoHS,FCC
Warranty	3years

NOMINAL ELECTRICAL AC INPUT*

AC VOLTAGE	120V	230V/240V	277V
AC Current	1.75A	0.87A	0.7A
AC Power	210W	200W	199W
Power Factor	0.99	0.97	0.96

* At 77°F [25°C] ambient temperature and 100% output.

ORDERING CODES

FAMILY	MODEL	SPECTRUM	INPUT VOLTAGE	DIMMER MODULE
QB	Quantum100	IR Pro	100-277Vac	0-10V

AC CABLE LENGTH	AC PLUG TYPE	MOUNTING HARDWARE	PACKAGING
6ft(1.8M)	US	Steel Hanger	Inner Box/1 Outbox/10
	UK		
	EU		
	AU		

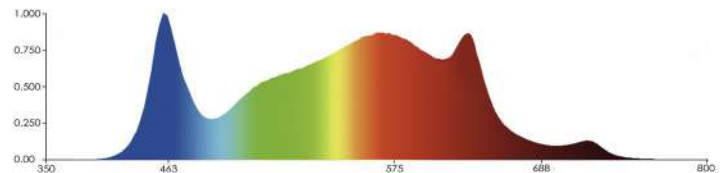
ALTERNATIVE AC/DC POWER CABLES- (Order separately)	Ordering Code
6 ft (1.8m) AC Cable	RF-AC-180-US
10ft (3.0m) AC Cable	RF-AC-300-US
6 ft (1.8m) DC Extension Cable	RF-DC-180-US
10ft (3.0m) DC Extension Cable	RF-DC-300-US

Customize Options	Ordering Code
Customize Spectrum/Driver /AC&DC Cord Length/Package	RF-CUS-Q200

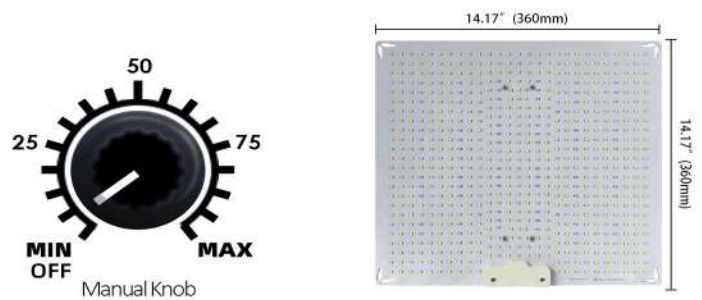


SPECTRA

IR Pro Spectrum



IR+ Spectrum: Provides highly efficient full spectrum with a healthy infrared-to-blue ratio to drive photosynthesis. Light energy between 500-599nm, previously thought wasted, penetrates deeper into the plant canopy promoting photomorphogenic responses. High color rendering "white" light aids to rapidly identify potential threats to your crop and provides superior working conditions and safety for personnel ideal for both flowering and vegetative production.



Disclaimer: Performance values are from representative tests performed in accordance with industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.



WARNING-POSSIBLE RISK OF INJURY TO EYES AND SKIN

Hazardous optical UV, HEV, and IR radiation may be emitted from the light source. Always wear personal protective equipment ensuring complete shielding of skin and eyes. Avoid prolonged exposure and looking directly at light source.