



FEATURES & SPECIFICATIONS

General Description

The Q400 grow system is suitable for a wide range of horticulture lighting applications. This is a multi-channel system predominantly used for the growth of sterile tissue cultures. The Q400 allows the spectral content to be adjusted throughout the growth cycle. It consists of 4 low profile light panels and one power control unit. White view light included on each panel for better visual monitoring of crop. May be used in vertically stacked orientation of four or more layers of grow trays and Q400 fixtures. Each panel can replace four 40W fluorescent T5 tubes in a 2x4 grow bed, giving growers up to 50% energy savings.

Mechanical Construction

Four 1'x4' aluminum LED panels and one aluminum power control unit. Fan cooling.

Electrical Specifications

110-220VAC input voltage with a 10' cord and 3-prong plug.

LEDs

The fixture utilizes LED Engin, high-power LEDs. Each LED is surface mounted onto QuantoTech metal clad boards and is protected against dust particle and water intrusion. QuantoTech's specialty optical design ensures that the great majority of the light emitted is contained, within the 120° beam angle, on the grow surface.

Weight

Light Panels: 12 lbs. each
Power Control Unit: 10 lbs.

Finish

White powder coating on light panels and Power Control Unit.

Testing and Compliance

- 5-year warranty
- 100,000 hour life to L70

GROWTH LIGHTING

Q400 Horticulture LEDSystem

Q400 SPECTRUM

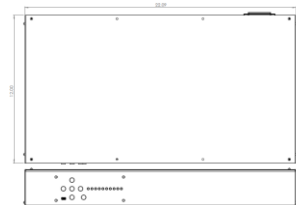
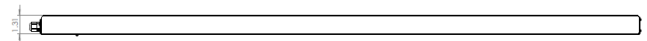
Q400 WAVELENGTHS (Standard Radiant Flux)

Blue (460nm)	7 Watts
Red (660nm)	14 Watts
UV (385nm)	2 watts

BEST FOR TISSURE CULTURE & GERMINATION

QuantoTech's adaptable spectrum produces the most customizable spectrum on the market providing the tools to maximize growth results on a variety of crops. In addition to the blue and red wavelengths, the Q400 spectrum contains an adjustable amount of UV which is beneficial for sterility and some stages of plant growth. The Q400 system is recommended for use in growth racks as well as controlled environment agriculture operations of any size.

DIMENSIONS & LINE DRAWINGS



FIXTURE EFFICIENCY

MODEL	FIXTURE PPF	FIXTURE WATTAGE	µmol/J
Q400	480	400	1.2

OPTIONAL FEATURES

- Network control of light fixtures
- Custom LED spectrums