

## Dimmable CDM Grow Light Fixture

### Features

- Patented compact design and lightweight Integrated Lighting
- Wide Input Voltage range 100-300VAC / 50-60Hz
- Active PFC 0.99 (Max)
- High efficiency, Low THD
- Strike both Metal Halide and High Pressure Sodium bulbs
- Run properly ended 2 x 315W bulb at 380W 490W 630W 690W
- Intelligent Self Diagnostic System
- Soft start and Staggered ignition eliminates circuit inrush and protects lamp
- Multiple Protections OVP, UVP, OTP, SCP, OCP
- 3 Years Warranty



### Model Specifications

Model	Vanquish Code	Input Voltage	Output Voltage	Rated Output Power	Efficiency / Full Load	Power Factor (Full Load)			
						120VAC	240VAC	277VAC	300VAC
630w CHM <sub>120v-240v</sub>	VQ-630	120-240VAC	80-130V	630W	94% Max	0.99	0.98	-	-
630w CHM <sub>277v</sub>	VQ-630-277	277VAC	80-130V	630W	95% Max	-	-	0.99	0.98

### Electrical Specifications

Input Voltage Range	120 / 208 / 240 / 277VAC
Input Frequency	47-63Hz
Power Factor	0.99 ( Max ), >0.95 240VAC input, 60%~100% load
Input Current	2.91A at 240VAC, 2.53A at 277VAC
Inrush Current	60A at 240VAC, 25°C cold start
Leakage Current	0.5mA Max at 240VAC / 50 / 60Hz input
Maximum Output Power	680W
Output Frequency	120Hz
Bulb Failure Detection	YES
Start Up Time	3-10 Second
Protections	Open Circuit Protection, Short Circuit Protection, Over Voltage Protection, Under Voltage Protection, Over Temperature Protection
THD	<10%, 277VAC, 100% load <10%, 240VAC, 100% load

### Environmental Specifications

Operating Temperature	0°C~+35°C
Operating Humidity	20~95% RH
Storage Temperature	-45°C~+80°C
Storage Humidity	10~95% RH
Cooling Method	Natural cooling
Isolation Voltage	input / Gnd 1600VAC 5mA 1Min
Insulation Resistance	Input / Gnd 50MΩ 500VDC 1Min
Reference Dimension(L×W×T)	577.3 × 376.2 × 188.4mm
Weight	

### Safety & EMC Compliance

UL / CUL	UL1598 / CSA C22.2 NO.250
CE	EN61347-2-12

### Mechanical Outline (Unit: mm)

