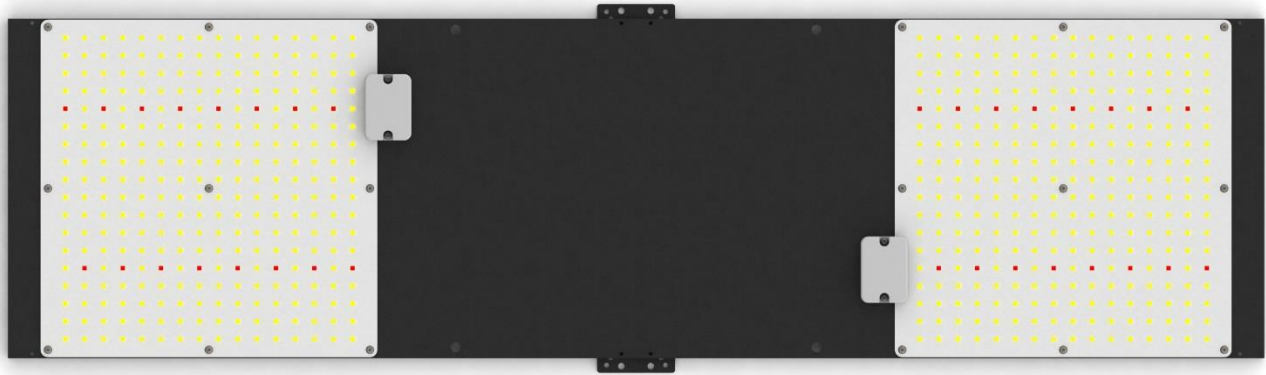


Atreum Lighting VELA 240W LED Module Data Sheet

Revision 2020.04.10



Basic Information

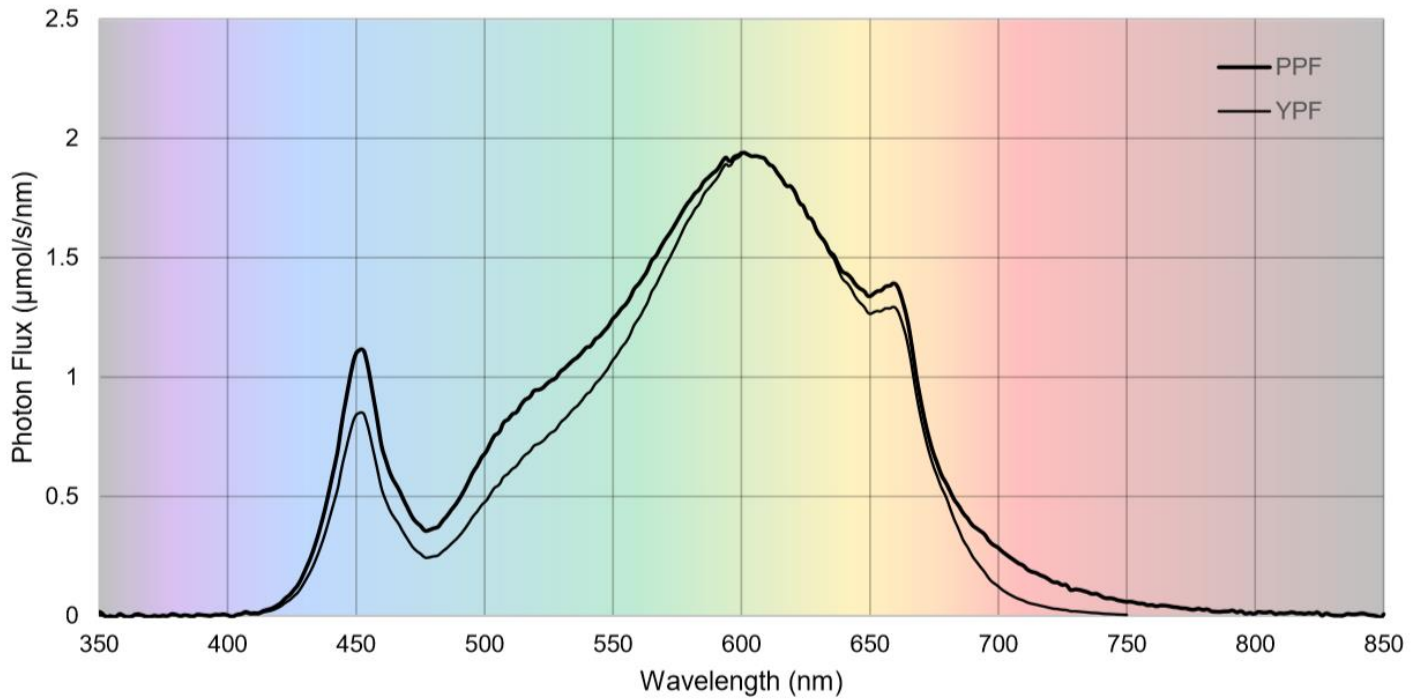
Item	Rating	Unit
Rated Lifetime	>50,000	hours
Ingress Protection (IP)	IP65	---
Ambient / Operating Temperature	-20 to +50	°C
Storage Temperature	-30 to +80	°C

Optical Characteristics

Item	Rating (Typical)	Unit	Remark
Correlated Color Temperature (CCT)	3400	K	
Photosynthetic Photon Flux (PPF)	594	µmol/s	Measured range: 400nm – 700nm
PPF Efficacy	2.61	µmol/Joule	
Total Photon Flux	608.2	µmol/s	Measured range: 350nm - 1000nm
Photon Efficacy	2.67	µmol/Joule	
Light Distribution Angle	120	degrees	

Spectrum

Spectral Photon Flux



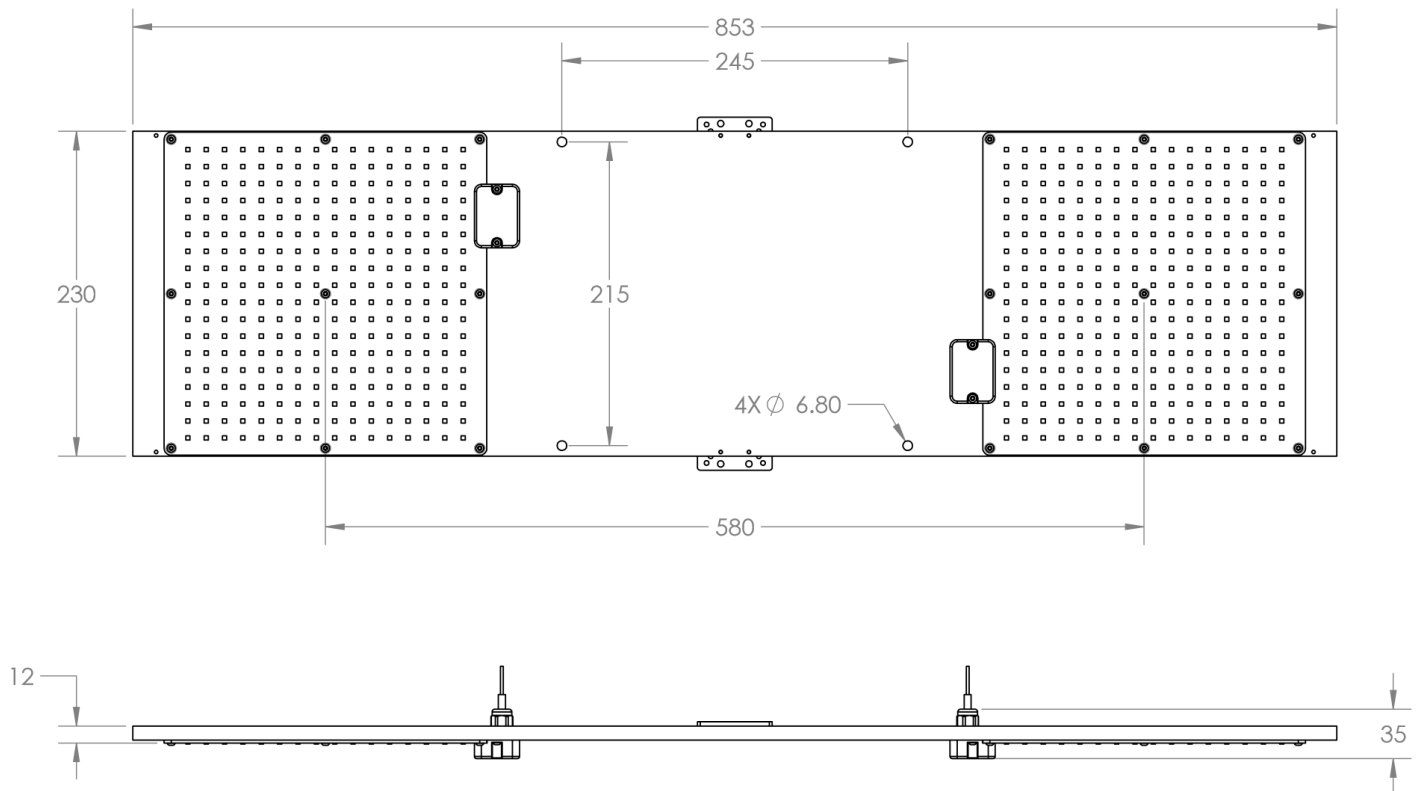
Electrical Characteristics

Current (mA)	Voltage (VDC)	Board Power (W)	Remark
1000	46.4	46.4	@ 55°C
2000	47.3	94.6	
3000	48.1	144.3	
4000	48.7	194.8	
4600	49.1	225.9	
5000	49.4	247.0	

Mechanical Specifications

Specification	Value
Overall Dimensions	853 mm x 230 mm (33.6 in x 9.0 in)
Board + Heatsink Height	12 mm
Max Height	35 mm
Weight	3.3 kg (7.3 lbs)
PCB Material	Aluminum
Diode Arrangement	16P18S

Dimensioned Drawing (Units in mm)



Revision History

Date	Description of Revision
2020-04-10	Document created

Contact Information

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