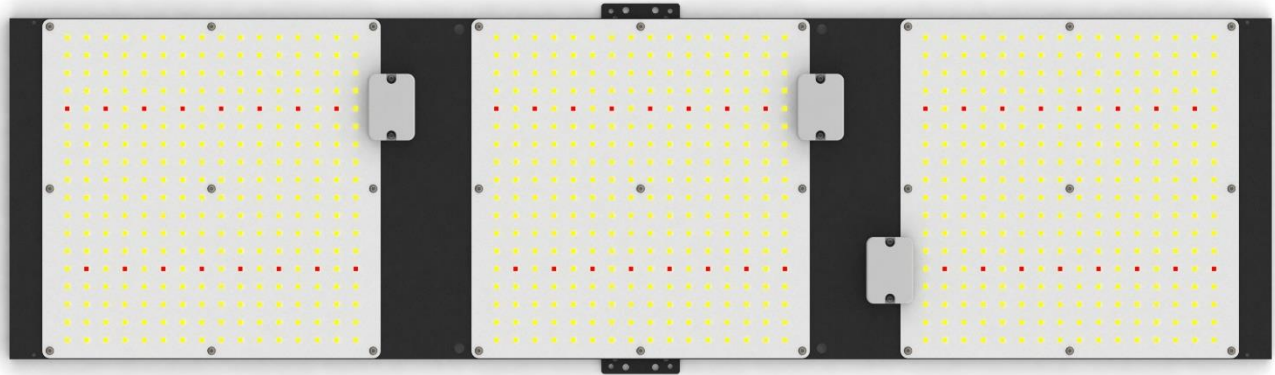


# Atreum Lighting VELA 320W LED Module Data Sheet

Revision 2020.04.10



## Basic Information

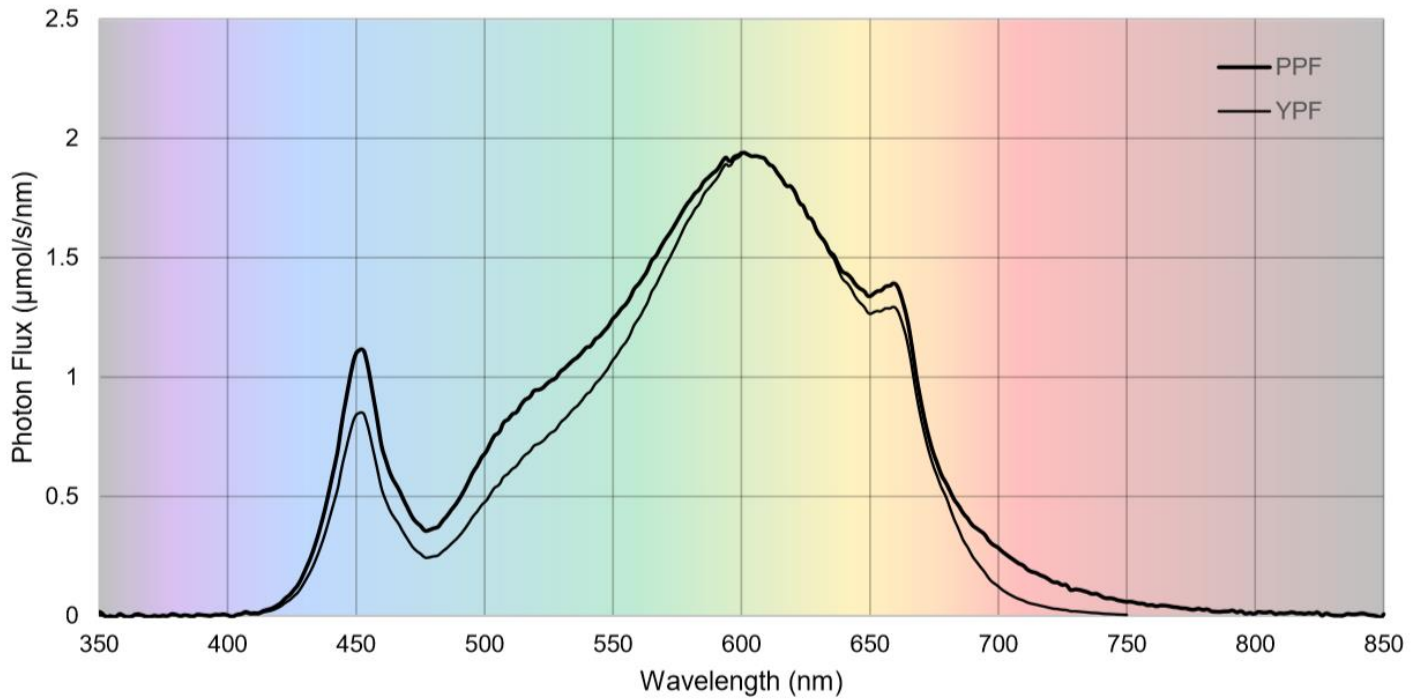
Item	Rating	Unit
Rated Lifetime	>50,000	hours
Ingress Protection (IP)	IP65	---
Ambient / Operating Temperature	-20 to +50	°C
Storage Temperature	-30 to +80	°C

## Optical Characteristics

Item	Rating (Typical)	Unit	Remark
Correlated Color Temperature (CCT)	3400	K	
Photosynthetic Photon Flux (PPF)	890	µmol/s	Measured range: 400nm – 700nm
PPF Efficacy	2.61	µmol/Joule	
Total Photon Flux	912	µmol/s	Measured range: 350nm - 1000nm
Photon Efficacy	2.67	µmol/Joule	
Light Distribution Angle	120	degrees	

Spectrum

Spectral Photon Flux



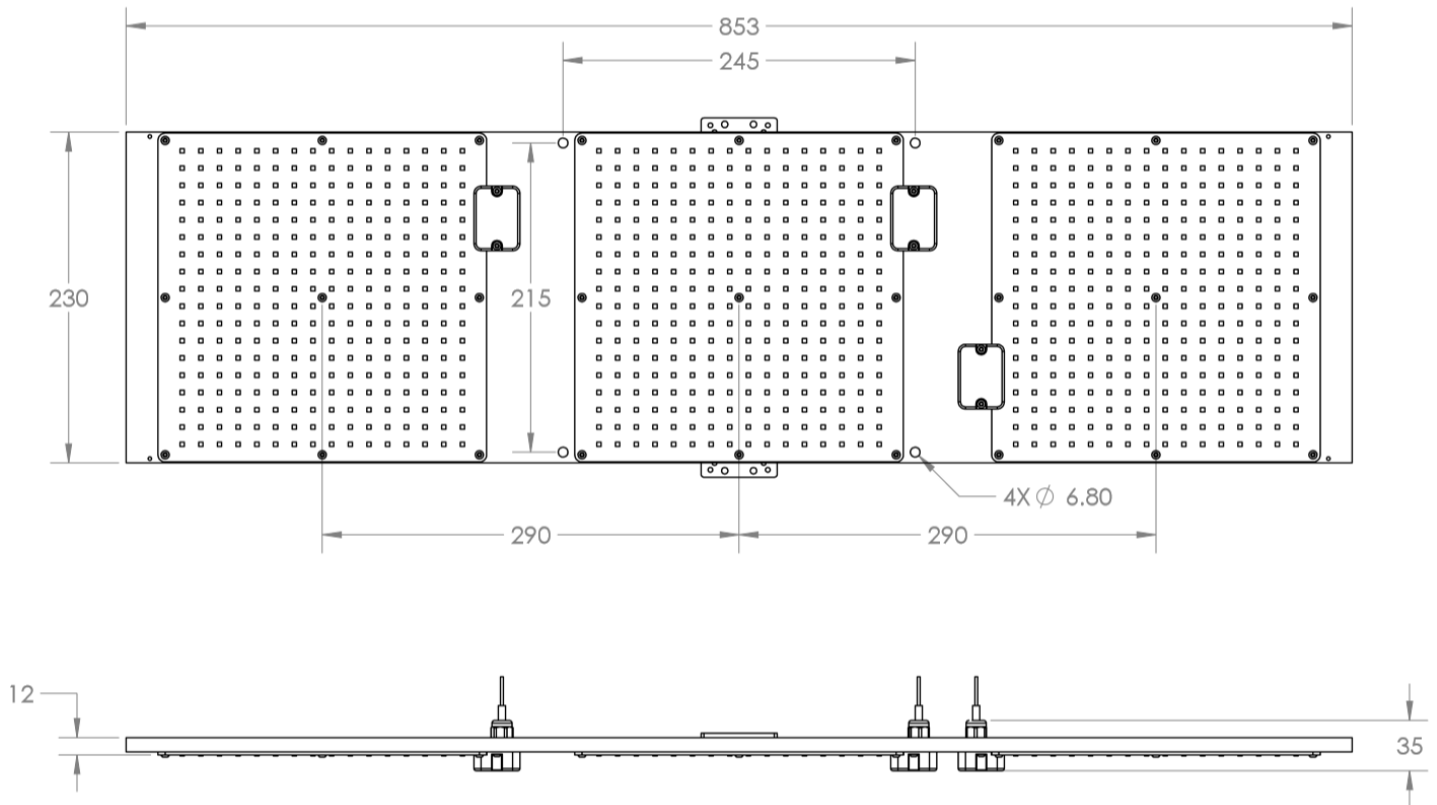
Electrical Characteristics

Current (mA)	Voltage (VDC)	Board Power (W)	Remark
1500	46.4	69.6	@ 55°C
3000	47.3	141.9	
4500	48.1	216.5	
6000	48.7	292.2	
6900	49.1	338.8	
7500	49.4	370.5	

## 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	3.6 kg (7.9 lbs)
PCB Material	Aluminum
Diode Arrangement	16P18S

Dimensioned Drawing (Units in mm)



## Revision History

---

<b>Date</b>	<b>Description of Revision</b>
2020-04-10	Document created

## Contact Information

---

### **Atreum Lighting**

General Inquiries: [hello@atreumlighting.com](mailto:hello@atreumlighting.com)

Support: [support@atreumlighting.com](mailto:support@atreumlighting.com)

Sales: [sales@atreumlighting.com](mailto:sales@atreumlighting.com)