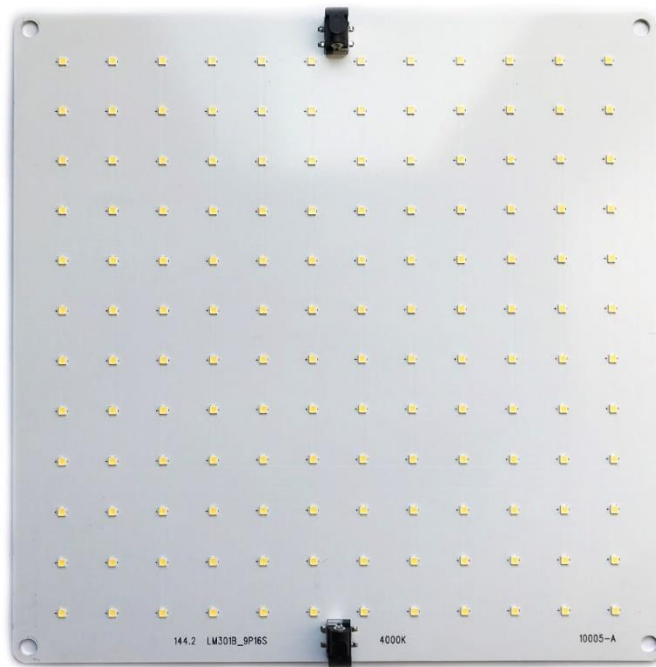


Atreum Lighting 144.2 LED Board

Revision 2019.10.15



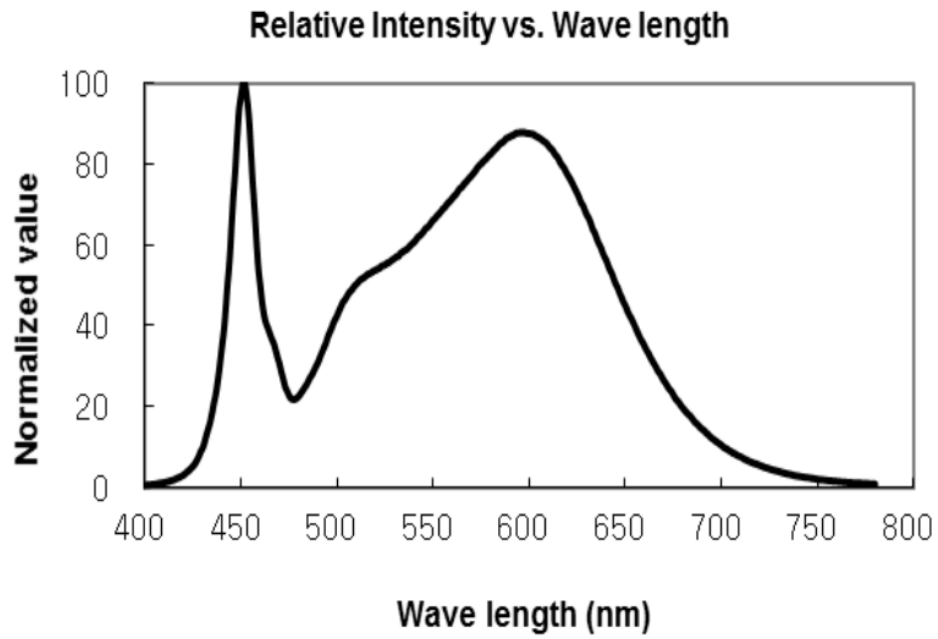
Basic Information

Item	Rating	Unit
Rated Lifetime	>50,000	hours
Ingress Protection (IP)	No Rating	---
Ambient / Operating Temperature	-20 to +50	°C
Storage Temperature	-30 to +80	°C

Optical Characteristics

Item	Rating (Typical)	Unit	Remark
Correlated Color Temperature (CCT)	4000	K	
Color Rendering Index (CRI)	80	---	
Total PPF	150	µmol/s	Measured range: 400nm – 700nm
PPF Efficacy	2.39	µmol/Joule	
Light Distribution Angle	120	degrees	

Spectrum



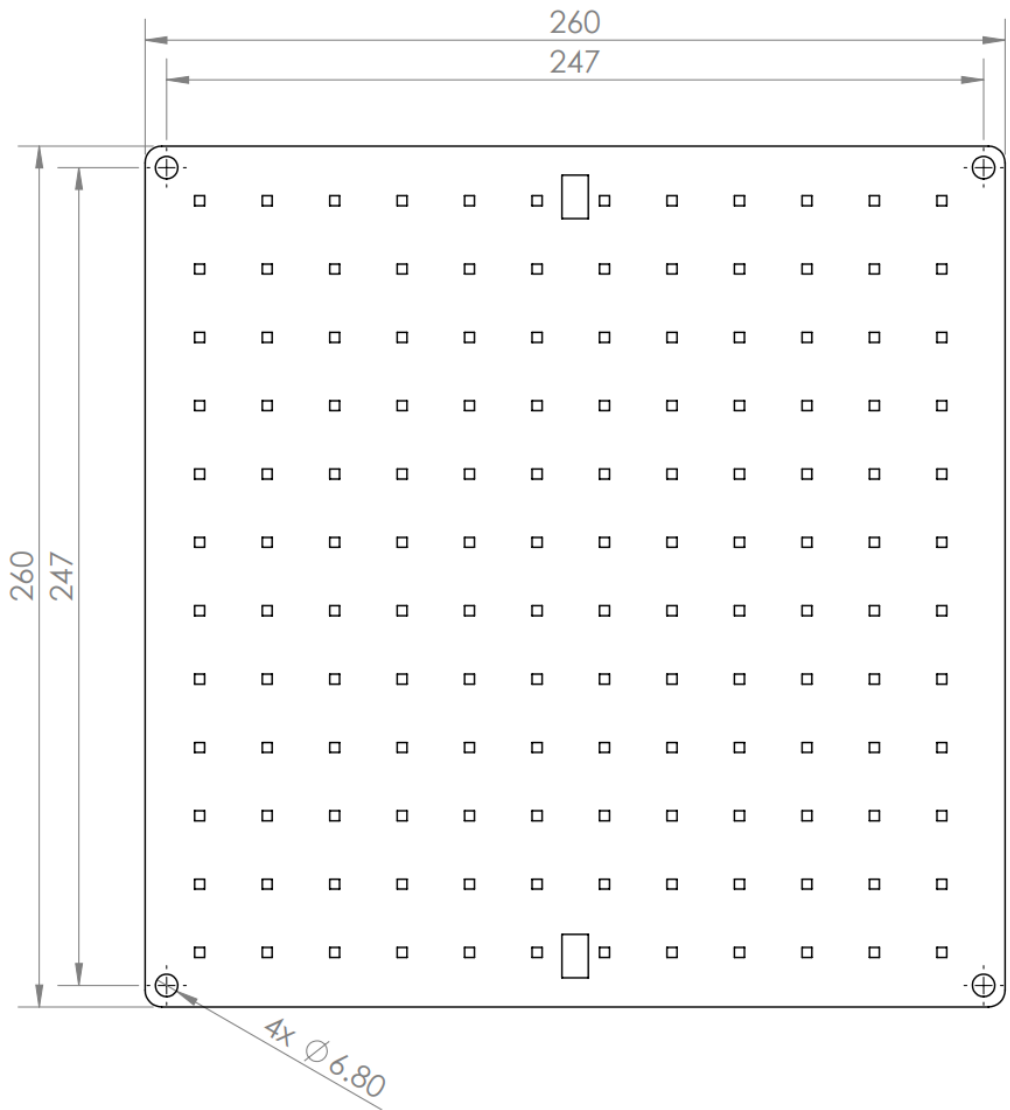
Electrical Characteristics

Current (mA)	Voltage (VDC)	Board Power (W)	Remark
500	43.1	21.6	@ 55°C
750	43.7	32.8	
1000	44.2	44.2	
1250	44.7	55.9	
1350	44.9	60.6	

Mechanical Specifications

Specification	Value
Board Dimensions	260 mm x 260 mm (10.24 in x 10.24 in)
Weight	298 g (10.5 oz)
PCB Material	Aluminum
Diode Arrangement	9P16S

Dimensioned Drawing (Units in mm)



Contact Information

Atreum Lighting

General Inquiries: hello@atreumlighting.com

Support: support@atreumlighting.com

Sales: sales@atreumlighting.com