



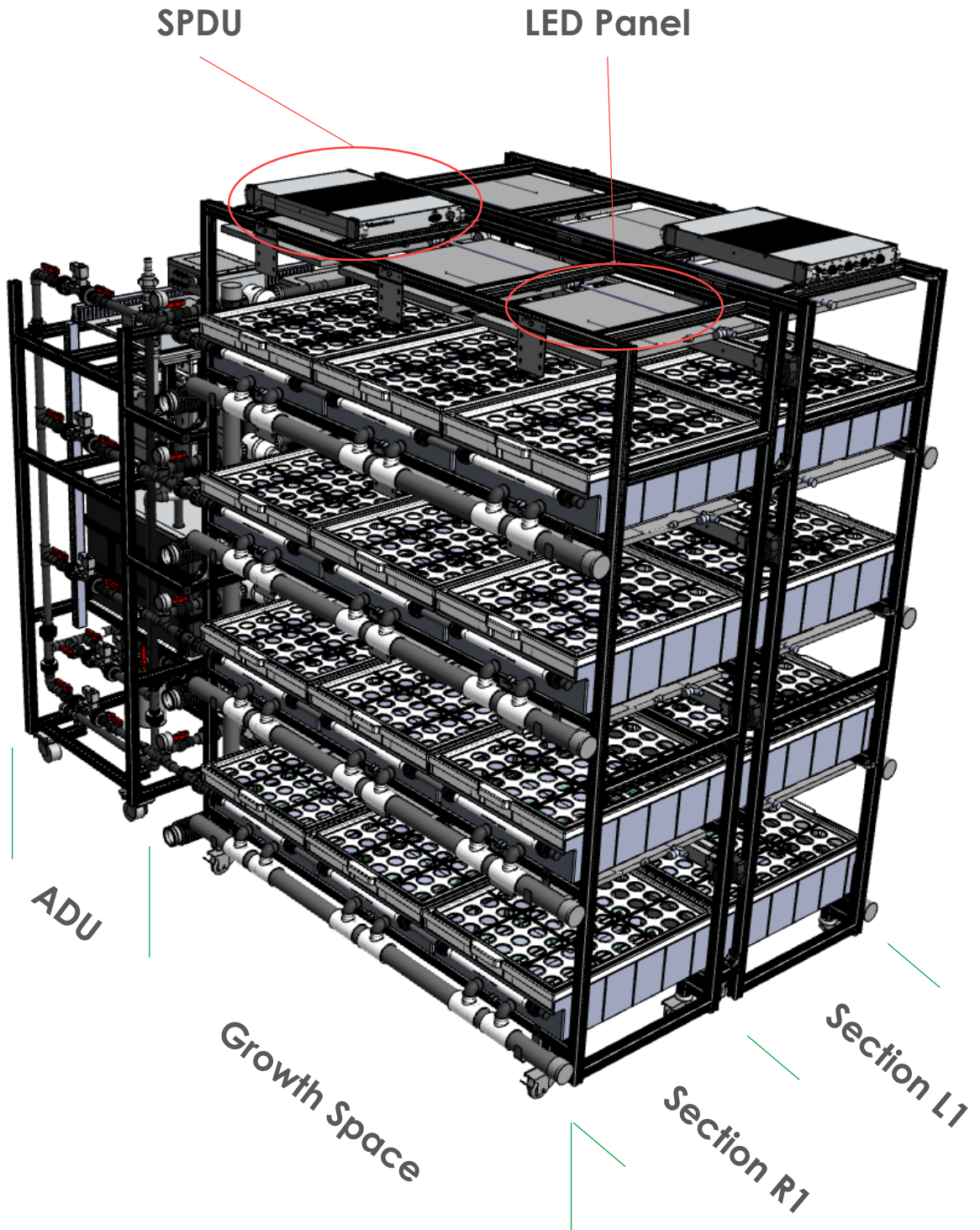
Sectional Power Distribution Unit

Ætrium-2.1 SmartFarm

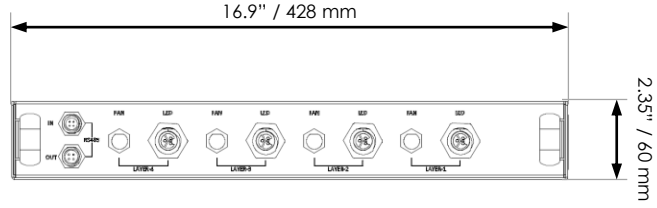
Data Sheet

SPDUs in the Atrium-2.1 SmartFarm

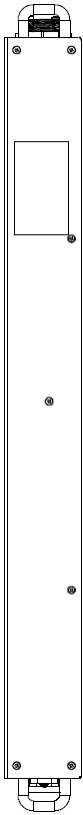
Each Sectional Power Distribution Unit (**SPDU**) drives the 12 LED panels and the fans in its section.



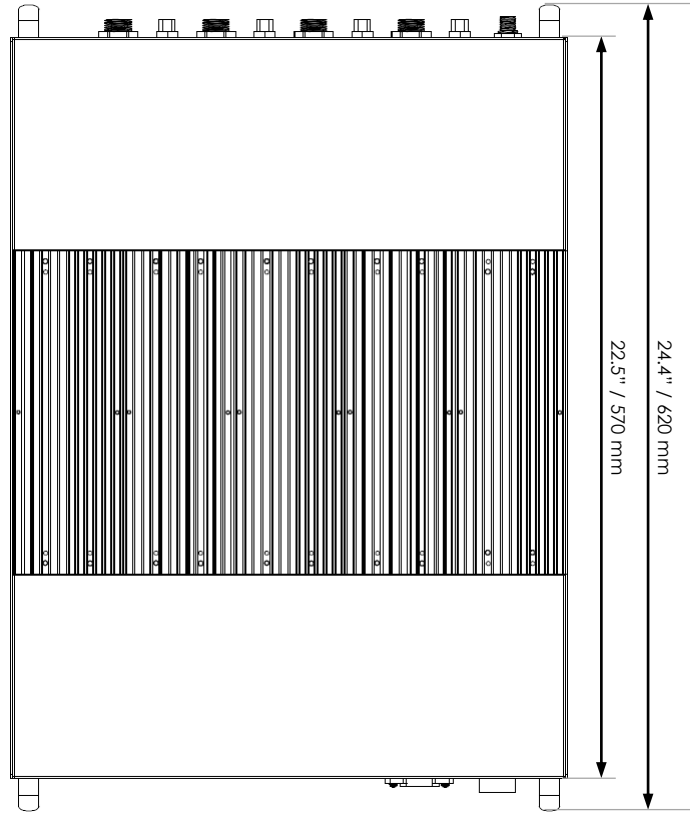
24-tub Atrium-2.1 SmartFarm



Rear View



Side View



Top View

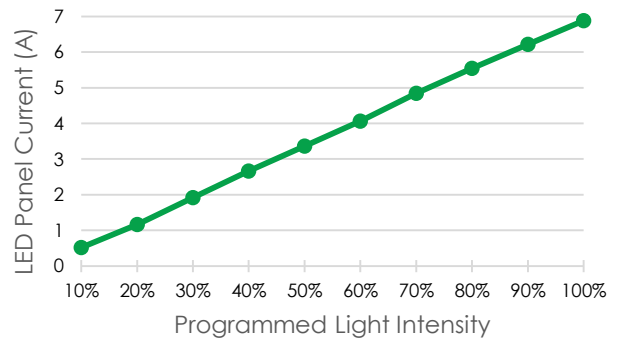
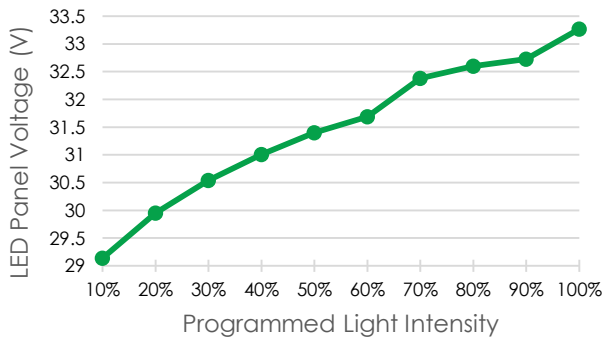


Front View

	Min	Typ	Max
Input voltage	100 V _{AC}	-	305 V _{AC}
Input frequency	47 Hz	-	63 Hz
AC current draw ¹	-	5.08 A ^{2,3}	6 A
AC power draw ¹	2 W	1,057 W ^{2,3}	1,252 W
LED channel voltage	-	34 V ²	38.5 V
LED channel current	-	6.66 A ²	6.7 A
Continuous dimming range	10%	-	100%
Fan channel voltage	-	24 V ³	27 V
Fan channel current	-	0.4 A ³	1 A
AES Link voltage	0 V _{DC}	-	3.3 V _{DC}
Operating temperature	34 °F (1 °C)	-	104 °F (40 °C)
Storage temperature	-22 °F (-30 °C)	-	176 °F (80 °C)

	Value
# of LED channels	4
# of LED panels / channel in the AEtrium-2.1	3
# of fan channels	4
Comm. interface	AES Link ⁴
Dimensions (L x W x H)	43.6" x 63.9" x 86.1" (1105 mm x 1622 mm x 2185 mm)
Weight	23.2 lbs (10.5 kg)
Input-Output withstand voltage	3.75 kV _{AC}
Input-Floating Ground withstand voltage	2 kV _{AC}
Input-Output withstand voltage	1.5 kV _{AC}
Isolation resistance ⁵	100 MOhm

Dimming Characteristics ⁶



1. @ 208 V_{AC}
 2. @ 100% light intensity in the AEtrium-2.1
 3. With all fans running in the AEtrium-2.1
 4. Wired communication line based on RS-485
 5. Input-Output, Input-Floating Ground, and Output-Floating Ground; 500VDC / 77°F (25°C) / 70% RH
 6. SPDU used in the AEtrium-2.1

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