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ANMD-MRS1-006

VERTICAL FARMING LED SYSTEMS

A Global Sustainability Due Diligence and Market Research Study

Shortened Table of Contents

Market Snapshot

US$ 2,400.0m 2025A market value	**US$ 2,760.0m** 2026E market value	**US$ 6,180.0m** 2032F forecast	**14.5%** CAGR 2025A to 2032F
7 regions Geographic coverage	**22 modules** Country modules	**932 exhibits** Including 114 charts	**167 + 104** Organizations and patent records
2020–2032 Historical data and forecasts	**Global** Regional and country coverage		

Report Facts

Report Attribute	Coverage
Report code	ANMD-MRS1-006 | Advanced Agriculture Technologies
Published	September 2026
Study periods	History 2020H to 2024H | Actual 2025A | Estimate 2026E | Forecast 2027F to 2032F
Length	334 pages | 34 chapters | 7 appendices | 932 exhibits including 114 charts
Geography	7 regions | 22 country modules | Residual regional groupings
Segmentation	5 product types by spectral architecture plus fixture form, control capability, efficacy band, power class, thermal management, application, facility type, end user, deployment type and commercial model
Directories	167 organizations based in 25 countries and territories | 104 patent records in 8 jurisdictions
Licences	Single-User License (SUL) | Global Corporate License (GCL)

This shortened table of contents presents the chapter architecture, main sections and selected exhibits. The detailed table of contents and sample pages are available to registered users at www.anewmarketdynamics.com.

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Part I

Study Framework, Executive Brief and Global Market

Study conventions, headline market findings, market boundary and the global and regional analytical foundation.

No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
F	**Foreword** Purpose of the study • Lighting-systems market boundary • Intended readers		
1	**About This Report** Methodology and quality control • Organization and reader's guide • Reporting conventions • Scope, inclusion and exclusion rules • Units, evidence grades and range-estimate policy • Segmentation additivity and exhibit conventions **Selected exhibits** *Exhibit 1: Vertical Farming LED Systems — Market Boundary*	1	**1**
2	**Executive Market Brief** Key market developments • Market in brief • Market outlook in five statements • Regional and country market outlook • Policy and classification environment • Findings, risks and stakeholder implications • Indicators and development timeline **Selected exhibits** *Exhibit 3: Global Market Headline Measures, Selected Years* | *Exhibit 4: Regional Market Value and Growth*	5 *1 chart*	**3**
3	**Executive Summary and Market Metrics Dashboard** What changed this year • Market value and growth • Regional and country opportunity ranking • Policy and classification outlook • Risk concentration • Observed deployment outcome patterns • KPI dashboard **Selected exhibits** *Exhibit 7: Global Vertical Farming LED Systems Market, 2020H-2032F (Chart)* | *Exhibit 12: Market Metrics Dashboard*	6 *2 charts*	**6**
4	**Global Market — Dynamics, Size and Outlook** Industry background and participant map • Market drivers and restraints • Opportunities and strategic frameworks • Global market size and forecast • Value-to-physical conversion logic • Lighting-equipment boundary and deployment pathways **Selected exhibits** *Exhibit 14: Industry Structure — Participant Layers* | *Exhibit 16: Porter's Five Forces — Vertical Farming LED Systems*	12 *2 charts*	**9**
5	**Regional Markets — Seven-region Overview** Regional dashboard • Value and share comparison • Regional demand character • Opportunity ranking • Regional demand, deployment and evidence-priority map **Selected exhibits** *Exhibit 29: Regional Value, Growth and Share* | *Exhibit 30: Regional Demand Character*	8 *3 charts*	**16**
6	**How to Read the Country Modules** Module structure and conventions • Full-format and consolidated modules • Data bases and rounding • Country-module data requirements and minimum evidence set	–	**19**

Part II

Regional, Country, Segmentation and Demand Analysis

Seven-region coverage, 22 country modules and the market series used to compare value, deployment and demand.

No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
7	**North America — Regional Analysis and Country Modules** United States • Canada • Mexico • Rest of North America • Country comparison **Highlights** *Value, deployed-base and segment series for each module* | *DLC qualification, utility rebate and clean-electricity program matrices*	115 *14 charts*	**20**
8	**Europe — Regional Analysis and Country Modules** Netherlands • Germany • United Kingdom • Nordics • France • Rest of Europe • Country comparison **Highlights** *Value, deployed-base and segment series for each module* | *Energy-transition agreements, SDE++ and efficiency-funding matrices*	187 *22 charts*	**52**
9	**Asia Pacific — Regional Analysis and Country Modules** Japan • China • Singapore • South Korea • Australia • Rest of Asia Pacific • Country comparison **Highlights** *Value, deployed-base and segment series for each module* | *Plant-factory, 30 by 30 and Smart Farm program matrices*	187 *22 charts*	**105**
10	**Latin America — Regional Analysis and Country Modules** Brazil • Chile • Colombia • Rest of Latin America • Country comparison **Highlights** *Value, deployed-base and segment series for each module* | *CORFO, water-efficiency and agricultural-modernization programs*	115 *14 charts*	**158**

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No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
11	**Africa — Regional Analysis and Country Modules** South Africa • Kenya • Egypt • Rest of Africa • Country comparison **Highlights** *Value, deployed-base and segment series for each module | Food-security, desert-agriculture and renewable-electricity programs*	115 *14 charts*	**190**
12	**Middle East — Regional Analysis and Country Modules** United Arab Emirates • Saudi Arabia • Israel • Rest of Middle East • Country comparison **Highlights** *Value, deployed-base and segment series for each module | Food Security Strategy 2051, Vision 2030 and agri-tech programs*	115 *14 charts*	**222**
13	**Rest of World — Regional Analysis and Country Modules** Regional overview • Composition and market character • Value and outlook **Selected exhibits** *Exhibit 867: Rest of World — Value Series, Selected Years*	1	**254**
14	**Global Market Reporting — Master Series and Reference Tables** Global master series • Regional master series • Country reference tables **Selected exhibits** *Exhibit 868: Global Master Value Series, Panel A: 2020H–2026E (US$ Million) | Exhibit 870: Regional Master Value Series, Panel A: 2020H–2026E (US$ Million)*	5	**255**
15	**Global Segmentation Analysis** Product-type segmentation, primary market split • Ten quantified overlay axes • Full annual segment series • Cross-tabulation and additivity rules **Selected exhibits** *Exhibit 873: Global Primary Segment Composition, 2026E Value Share (Chart) | Exhibit 880: Overlay — Facility Type (2026E Value, Share and 2032F)*	14 *2 charts*	**257**
16	**Demand Signals and Forward Indicators** Structural demand signals • Utility rebate cycles and retrofit pipelines • Economic and adoption signals • Indicator dashboard • Leading indicators and data gaps **Selected exhibits** *Exhibit 887: Forward Indicator Dashboard*	1	**262**
17	**Adjacent-market Enablers** Adjacent enabler landscape and interfaces • Enabling infrastructure and platforms • Financing and service enablers • Interoperability and enabling-ecosystem interfaces **Selected exhibits** *Exhibit 888: Adjacent Enablers and Their Interface with Lighting*	1	**263**

Part III

Competition, Engineering, Innovation, Sustainability and Policy

Competitive structure and company profiles alongside system engineering, research, sustainability due diligence, supply chains and policy frameworks.

No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
18	**Competitive Analysis and Company Profiles** Market shares and concentration reading • Company profiles across North America, Europe and Asia Pacific • Component, technology and specialist participants • Distribution, service and delivery organizations **Selected exhibits** *Exhibit 889: Competitive Concentration Reading | Exhibit 901: Component and Specialist Participants*	14	**264**
19	**Competitive Environment — Structure, Rankings and Matrices** Market structure and concentration • Directory-evidence presence rankings • Capability matrices • Competitive outlook • Capability, installed-base and delivery-footprint benchmark **Selected exhibits** *Exhibit 903: Directory-Evidence Presence — Leading Participants | Exhibit 904: Capability Matrix — Selected Leaders*	2	**270**
20	**Mergers, Acquisitions, Partnerships and Industry Network Analysis** M&A record • Partnership and alliance patterns • Industry network reading • Alliance, licensing, offtake and channel-network map **Selected exhibits** *Exhibit 905: Selected Transactions and Ownership Changes*	1	**271**
21	**Product, System Engineering and Innovation** System configuration comparison • Standards and design-code frame • Crop and agronomy fit screen • Materials, durability and circularity • Innovation frontier and emerging technology • Photometric, photobiological and electrical validation **Selected exhibits** *Exhibit 906: System Configuration Comparison | Exhibit 907: Crop and Agronomy Fit Screen*	2	**272**
22	**Research, Innovation and Funding Environment** Public research programs • Startup and venture activity • Standards and testing infrastructure • Research, validation and pilot-to-commercialization pipeline	–	**275**

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No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
23	**Sustainability Due Diligence, ESG, SDG and Climate Analysis** Carbon, embodied materials and water • Resource, biodiversity and social analysis • Double materiality and ESG framework alignment • SDG contribution mapping • Climate risk and adaptation • Anti-greenwashing screen and claim assurance • Regional sustainability profiles **Selected exhibits** *Exhibit 910: Double-Materiality Summary | Exhibit 911: Priority SDG Contribution Weighting (Illustrative) (Chart)*	5 *2 charts*	**276**
24	**Value Chain, Supply Chain and Geopolitical Analysis** Value-chain map • Material inputs and components • Manufacturing and delivery footprints • Trade measures and localization • Logistics and delivery capacity • LED chip, driver, optics and fixture supply chain **Selected exhibits** *Exhibit 913: Vertical Farming LED Systems Value Chain*	1	**294**
25	**Policy, Regulation, Legal Structures and Integrated Risk** DLC technical requirements and utility rebate frameworks • Subsidy and program architecture by jurisdiction • Standards and certification • Legal structures for delivery • Integrated policy risk reading • Electrical safety, energy efficiency and building compliance	–	**296**

Part IV

Risk, Economics, Implementation and Outlook

Observed outcome patterns, strategic analysis, risks, stakeholder implementation, system economics, outlook, KPIs and the directory framework.

No.	Chapter, Main Sections and Selected Exhibits	Exhibits	Page
26	**Scenario Analysis and Observed Outcome Patterns** Scenario methodology • Scenario paths to 2032 • Observed outcome patterns in projects and deployments • Long-term outlook ranges • Lighting penetration, energy-intensity and crop-output benchmark	2 *1 chart*	**298**
27	**Strategic SWOT and TOWS Analysis** SWOT • TOWS strategic options **Selected exhibits** *Exhibit 916: SWOT — Vertical Farming LED Systems | Exhibit 918: TOWS Strategic Options*	3	**300**
28	**Risk Factors Identified** Integrated risk register • Likelihood-and-impact reading • Mitigants and watch indicators **Selected exhibits** *Exhibit 919: Integrated Risk Register | Exhibit 920: Mitigants and Watch Indicators*	2	**301**
29	**Observed Implementation Patterns by Stakeholder** Manufacturers and providers • Distributors, integrators and installers • End users and buyer organizations • Governments and programs • Financiers and insurers • Buyer decision criteria **Selected exhibits** *Exhibit 921: Buyer Decision Criteria*	1	**302**
30	**Community Engagement and Social Inclusion** Access and inclusion models • Gender and labor dimensions • Benefit-sharing patterns • Access, affordability and community outcomes	–	**303**
31	**Pricing, System Economics and Financing** System cost structure • Buyer economics and payback • Financing context and instruments • Horticultural LED lifecycle economics **Selected exhibits** *Exhibit 922: Delivered System Cost Structure (Illustrative) | Exhibit 923: Average Delivered Price per Fixture, 2020H-2032F (Chart)*	2 *1 chart*	**304**
32	**Outlook Synthesis** Where value concentrates to 2032 • What could change the path • Leading indicators and threshold events **Selected exhibits** *Exhibit 924: Leading Indicators and Threshold Events*	1	**306**
33	**Key Performance Indicators** Market KPIs • Sustainability KPIs • Delivery KPIs • Horticultural LED performance KPI library **Selected exhibits** *Exhibit 925: Market KPIs | Exhibit 926: Sustainability KPIs*	3	**307**
34	**Company and Patent Directories — Overview** Directory method and coverage • Patent register method and coverage • Directory fields and evidence register	–	**308**

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Appendices

Reference material, directories and registers supporting the main study.

Coverage	Exhibits	Page
Glossary of Terms and Abbreviations Definitions of terms, units and abbreviations used across the study	1	**309**
Corporate Directory 167 organizations by country and region, with structural role and profile	–	**310**
Patent Directory 104 patent records across 8 jurisdictions, mapped to product segment	–	**324**
Projects, Policies and Case-Study Register Projects, programs and policies with type and jurisdiction	1	**331**
Vertical Farming LED Systems KPI Dictionary and Data Schema KPI definitions, units and data schema	1	**332**

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