

Smart Indoor Lighting Market Research Report Forecast Till 2030

Market Report | 2023-02-17 | 110 pages | Market Research Future

AVAILABLE LICENSES:

- Single User Price \$4950.00
- Enterprisewide Price \$7250.00

Report description:

Smart Indoor Lighting Market Research Report Forecast Till 2030

Market Overview

The global Smart Indoor Lighting market is expected to register a substantial CAGR of 21.7% during the review period. Smart lighting is the underpinning of connected structures for smart structures. Each light is connected to the structure's IP organization, which fills in as the establishment for extra smart associations like security, central air, and even examination and information. Organizations and legislatures all through the world are under expanding strain to save costs while being more energy-proficient and giving individuals protected and sufficiently bright work environments and live

Smart indoor lighting has become well known among educated proprietors of new retail locations, organizations, and private houses as the shoppers can deal with the lights in their homes or working region with a solitary snap on remote gadgets or a straightforward voice acknowledgment framework. With the progression of technology, the lighting business is growing at a quick speed, offering a different determination of smart indoor lights for any spot to enlighten the environmental elements sans hands.

Market Segmentation

The Smart Indoor Lighting Market has been portioned in view of Parts, Communication Technology, Light Sources, Applications, and region.

Considering components, the market is divided into Equipment, Programming, and Administration. Communication technology, the market is sectioned into Wired Communication Technology and Remote Communication Technology.

In view of the light source, the market has been sectioned into Fluorescent Lights, Light Producing Diodes (Drove), and High-Thickness Release Lights. By application, the Smart Indoor Lighting market has been sectioned into Private, Business, and Modern.

Regional Analysis

Europe represented the biggest market share, with a market worth of USD 3,176.5 Million in 2021; enlisting a CAGR of 20.4% during the estimated period is normal. North America is projected to enroll CAGR of 22.4%. The European smart indoor lighting

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

industry is consistently rising, upheld by low loan fees and stable financial development. Financial soundness has, thusly, brought about a lessening in joblessness, in this manner helping customers and business certainty that what's to come is better. The European market is likewise prone to observe a change in its development motor from indoor lighting to the lighting area. Subsequently, there are medium to huge scope business potential open doors in the region.

The North America Smart Indoor Lighting market, in view of the nation, has been portioned into US, Canada, and Mexico. North America is supposed to be the quickest developing region for the worldwide Smart Indoor Lighting market because of a developing spotlight on digitalization, expanding speculations, fast improvement of the framework for smart home purposes, and expanding reception of smart lighting stages in the region.

Major Players

The key players of the global Smart Indoor Lighting market are Signify N.V., Acuity Brands Lighting Inc., General Electric Company, Osram Licht AG, Legrand SA, Hubbell Incorporated, Ideal Industries (CREE), Syska LED, Lixx, Sengled, Lutron Electronics Co., Inc, TCP Lighting, Levitron Manufacturing Co. Inc., Wipro Lighting, and Zumtobel Lighting.

COVID 19 Impacts

We are continuously tracking the impact of the COVID-19 pandemic on various industries and verticals within all domains. Our research reports include the same and help you understand the drop and rise, owing to the impact of COVID-19 on industries. Also, we help you to identify the gap between the demand and supply of your interested market. Moreover, the report helps you with the analysis, amended government regulations, and many other useful insights.

Table of Contents:

TABLE OF CONTENTS

1 EXECUTIVE SUMMARY	20
2 MARKET INTRODUCTION	23
2.1 DEFINITION	23
2.2 SCOPE OF THE STUDY	23
2.3 RESEARCH OBJECTIVE	23
2.4 LIST OF ASSUMPTIONS	24
2.5 MARKET STRUCTURE	25
2.6 MARKET ATTRACTIVENESS ANALYSIS	25
3 RESEARCH METHODOLOGY	26
4 MARKET DYNAMICS	33
4.1 INTRODUCTION	33

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

4.2 DRIVERS 34

4.2.1 GROWING BENEFITS OF SMART LIGHTING OVER CONVENTIONAL LIGHTING 34

4.2.2 GROWING NEED FOR ENERGY EFFICIENT LIGHTING SYSTEMS 35

4.2.3 DESIGNING EFFICIENT SMART HOME MANAGEMENT WITH IOT SMART LIGHTING 36

4.2.4 DRIVERS IMPACT ANALYSIS 36

4.3 RESTRAINTS 37

4.3.1 HIGH INITIAL COSTS ASSOCIATED WITH SMART LIGHTING EQUIPMENT'S 37

4.3.2 SECURITY AND RELIABILITY ISSUES WITH IOT BASED LIGHTING SYSTEMS 37

4.4 OPPORTUNITIES 38

4.4.1 DIGITAL INTEGRATION IN SMART LIGHTING DRIVING FUTURE OF SMART CITIES 38

4.4.2 LIGHTING INDUSTRY WITNESSING RAPID TRANSFORMATIONS IN SEMICONDUCTOR TECHNOLOGY 39

4.4.3 GROWING REQUIREMENTS OF HUMAN CENTRIC LIGHTING SOLUTIONS 39

4.4.4 RISING DEMAND FOR POE (POWER OVER ETHERNET) BASED LIGHTING SOLUTIONS 39

4.5 CHALLENGES 40

4.5.1 CONNECTIVITY CHALLENGES WITH SMART LIGHTING SOLUTIONS 40

4.5.2 CHALLENGES OF THE INTEGRATION OF LIGHTING SYSTEMS AND COMPONENTS IN IOT 40

4.6 IMPACT ANALYSIS OF COVID-19 41

4.6.1 IMPACT OF COVID-19 ON THE SEMICONDUCTOR INDUSTRY 41

4.6.2 GROWING IMPORTANCE OF SMART LIGHTING SYSTEM TECHNOLOGY 41

4.6.3 SMART LIGHTING IN WORKPLACES POST COVID 42

4.6.4 GROWING IMPORTANCE OF SMART CITIES IN THE POST COVID ERA 43

5 MARKET FACTOR ANALYSIS 44

5.1 SUPPLY CHAIN ANALYSIS 44

5.1.1 HARDWARE MANUFACTURERS 44

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.1.2 PLATFORM DEVELOPERS	44
5.1.3 TECHNOLOGY PROVIDERS	45
5.1.4 SYSTEM INTEGRATORS	45
5.1.5 DISTRIBUTORS/RESELLERS	45
5.1.6 END USERS	45
5.2 PORTER'S FIVE FORCES MODEL	46
5.2.1 THREAT OF NEW ENTRANTS	46
5.2.2 BARGAINING POWER OF SUPPLIERS	47
5.2.3 BARGAINING POWER OF BUYERS	47
5.2.4 THREAT OF SUBSTITUTES	47
5.2.5 INTENSITY OF RIVALRY	47
6 GLOBAL SMART INDOOR LIGHTING MARKET, BY COMPONENT	48
6.1 OVERVIEW	48
6.2 HARDWARE	49
6.2.1 LUMINARIES	49
6.2.1.1 SMART BULBS	50
6.2.1.2 FIXTURES	50
6.2.2 LIGHTING CONTROLS	50
6.2.2.1 LED DRIVERS AND BALLASTS	50
6.2.2.2 SENSORS	51
6.2.2.3 SWITCHES AND DIMMERS	51
6.2.2.4 RELAY UNITS	51
6.2.2.5 GATEWAYS	51

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

6.3 SOFTWARE	51
6.4 SERVICES	51
7 GLOBAL SMART INDOOR LIGHTING MARKET, BY COMMUNICATION TECHNOLOGY	52
7.1 OVERVIEW	52
7.2 WIRED COMMUNICATION TECHNOLOGY	53
7.2.1 DIGITAL ADDRESSABLE LIGHTING INTERFACE (DALI)	53
7.2.2 POWERLINE COMMUNICATIONS	54
7.2.3 POWER OVER ETHERNET (POE)	54
7.2.4 WIRE HYBRID PROTOCOL	54
7.2.5 OTHERS	54
7.3 WIRELESS COMMUNICATION TECHNOLOGY	55
7.3.1 ZIGBEE	55
7.3.2 BLUETOOTH LE	55
7.3.3 ENOCEAN	55
7.3.4 WI-FI	56
7.3.5 6LOWPAN	56
7.3.6 LI-FI	56
7.3.7 OTHERS	56
8 GLOBAL SMART INDOOR LIGHTING MARKET, BY LIGHT SOURCE	57
8.1 OVERVIEW	57
8.2 FLUORESCENT LAMPS	58
8.3 LIGHT EMITTING DIODES (LED)	58
8.4 HIGH DENSITY DISCHARGE LAMPS	58
9 GLOBAL SMART INDOOR LIGHTING MARKET, BY APPLICATION	59

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

9.1 OVERVIEW	59
9.2 RESIDENTIAL	60
9.3 COMMERCIAL	60
9.4 INDUSTRIAL	61
10 GLOBAL SMART INDOOR LIGHTING MARKET, BY REGION	62
10.1 OVERVIEW	62
10.1.1 MARKET ESTIMATES AND FORECAST, BY REGION	62
10.2 EUROPE	64
10.2.1 MARKET ESTIMATES AND FORECAST, BY COUNTRY	64
10.2.2 MARKET ESTIMATES AND FORECAST, BY COMPONENT	65
10.2.3 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	67
10.2.4 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	68
10.2.5 MARKET ESTIMATES AND FORECAST, BY APPLICATION	69
10.2.6 GERMANY	70
10.2.6.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	70
10.2.7 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	71
10.2.7.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	72
10.2.7.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	72
10.2.8 UK	73
10.2.8.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	73
10.2.9 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	74
10.2.9.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	75
10.2.9.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	75

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.2.10 FRANCE	76
10.2.10.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	76
10.2.11 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	77
10.2.11.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	78
10.2.11.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	78
10.2.12 REST OF EUROPE	79
10.2.12.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	79
10.2.13 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	80
10.2.13.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	81
10.2.13.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	81
10.3 NORTH AMERICA	82
10.3.1 MARKET ESTIMATES AND FORECAST, BY COUNTRY	82
10.3.2 MARKET ESTIMATES AND FORECAST, BY COMPONENT	83
10.3.3 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	85
10.3.4 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	86
10.3.5 MARKET ESTIMATES AND FORECAST, BY APPLICATION	87
10.3.6 US	88
10.3.6.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	88
10.3.7 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	89
10.3.7.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	90
10.3.7.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	90
10.3.8 CANADA	91
10.3.8.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	91
10.3.9 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	92

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.3.9.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	93
10.3.9.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	93
10.3.10 MEXICO	94
10.3.10.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	94
10.3.11 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	95
10.3.11.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	96
10.3.11.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	96
10.4 ASIA-PACIFIC	97
10.4.1 MARKET ESTIMATES AND FORECAST, BY COUNTRY	97
10.4.2 MARKET ESTIMATES AND FORECAST, BY COMPONENT	98
10.4.3 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	100
10.4.4 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	101
10.4.5 MARKET ESTIMATES AND FORECAST, BY APPLICATION	102
10.4.6 CHINA	103
10.4.6.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	103
10.4.7 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	104
10.4.7.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	105
10.4.7.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	105
10.4.8 JAPAN	106
10.4.8.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	106
10.4.9 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	107
10.4.9.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	108
10.4.9.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	108

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

10.4.10 INDIA	109
10.4.10.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	109
10.4.11 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	110
10.4.11.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	111
10.4.11.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	111
10.4.12 REST OF ASIA-PACIFIC	112
10.4.12.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	112
10.4.13 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	113
10.4.13.1 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	114
10.4.13.2 MARKET ESTIMATES AND FORECAST, BY APPLICATION	114
10.5 MIDDLE EAST & AFRICA	115
10.5.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	115
10.5.2 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	117
10.5.3 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	118
10.5.4 MARKET ESTIMATES AND FORECAST, BY APPLICATION	119
10.6 SOUTH AMERICA	120
10.6.1 MARKET ESTIMATES AND FORECAST, BY COMPONENT	120
10.6.2 MARKET ESTIMATES AND FORECAST, BY COMMUNICATION TECHNOLOGY	122
10.6.3 MARKET ESTIMATES AND FORECAST, BY LIGHT SOURCE	123
10.6.4 MARKET ESTIMATES AND FORECAST, BY APPLICATION	124
11 COMPETITIVE LANDSCAPE	125
11.1 COMPETITIVE BENCHMARKING	126
11.2 VENDOR SHARE ANALYSIS	127
11.3 RECENT DEVELOPMENTS	127

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

11.3.1 PRODUCT DEVELOPMENT	127
11.3.2 PARTNERSHIPS/AGREEMENTS/CONTRACTS/COLLABORATIONS	130
12 COMPANY PROFILE	132
12.1 SIGNIFY N.V.	132
12.1.1 COMPANY OVERVIEW	132
12.1.2 FINANCIAL OVERVIEW	133
12.1.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	134
12.1.4 KEY DEVELOPMENTS	139
12.1.5 SWOT ANALYSIS	140
12.1.6 KEY STRATEGIES	140
12.2 ACUITY BRANDS LIGHTING INC.	141
12.2.1 COMPANY OVERVIEW	141
12.2.2 FINANCIAL OVERVIEW	142
12.2.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	142
12.2.4 KEY DEVELOPMENTS	147
12.2.5 SWOT ANALYSIS	147
12.2.6 KEY STRATEGIES	148
12.3 GE LIGHTING (GENERAL ELECTRIC COMPANY)	149
12.3.1 COMPANY OVERVIEW	149
12.3.2 FINANCIAL OVERVIEW	149
12.3.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	150
12.3.4 KEY DEVELOPMENTS	153
12.3.5 SWOT ANALYSIS	153

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.3.6 KEY STRATEGIES	154
12.4 OSRAM LICHT AG	155
12.4.1 COMPANY OVERVIEW	155
12.4.2 FINANCIAL OVERVIEW	156
12.4.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	156
12.4.4 KEY DEVELOPMENTS	159
12.4.5 SWOT ANALYSIS	160
12.4.6 KEY STRATEGIES	160
12.5 LEGRAND SA	161
12.5.1 COMPANY OVERVIEW	161
12.5.2 FINANCIAL OVERVIEW	162
12.5.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	162
12.5.4 KEY DEVELOPMENTS	166
12.5.5 SWOT ANALYSIS	167
12.5.6 KEY STRATEGIES	167
12.6 HUBBELL INCORPORATED	168
12.6.1 COMPANY OVERVIEW	168
12.6.2 FINANCIAL OVERVIEW	169
12.6.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	169
12.6.4 KEY DEVELOPMENTS	171
12.6.5 SWOT ANALYSIS	171
12.6.6 KEY STRATEGIES	171
12.7 IDEAL INDUSTRIES (CREE)	172
12.7.1 COMPANY OVERVIEW	172

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.7.2 FINANCIAL OVERVIEW	172
12.7.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	172
12.7.4 KEY DEVELOPMENTS	175
12.8 SYSKA	176
12.8.1 COMPANY OVERVIEW	176
12.8.2 FINANCIAL OVERVIEW	176
12.8.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	176
12.8.4 KEY DEVELOPMENTS	178
12.9 LIFX	179
12.9.1 COMPANY OVERVIEW	179
12.9.2 FINANCIAL OVERVIEW	179
12.9.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	179
12.9.4 KEY DEVELOPMENTS	181
12.10 SENGLED	182
12.10.1 COMPANY OVERVIEW	182
12.10.2 FINANCIAL OVERVIEW	182
12.10.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	182
12.10.4 KEY DEVELOPMENTS	184
12.11 LUTRON ELECTRONICS CO., INC	185
12.11.1 COMPANY OVERVIEW	185
12.11.2 FINANCIAL OVERVIEW	185
12.11.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	185
12.11.4 KEY DEVELOPMENTS	187

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

12.12 TCP LIGHTING	188
12.12.1 COMPANY OVERVIEW	188
12.12.2 FINANCIAL OVERVIEW	188
12.12.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	188
12.12.4 KEY DEVELOPMENTS	189
12.13 LEVITRON MANUFACTURING CO. INC.	190
12.13.1 COMPANY OVERVIEW	190
12.13.2 FINANCIAL OVERVIEW	190
12.13.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	190
12.13.4 KEY DEVELOPMENTS	193
12.14 WIPRO LIGHTING	194
12.14.1 COMPANY OVERVIEW	194
12.14.2 FINANCIAL OVERVIEW	195
12.14.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	195
12.14.4 KEY DEVELOPMENTS	197
12.14.5 SWOT ANALYSIS	198
12.14.6 KEY STRATEGIES	198
12.15 ZUMTOBEL LIGHTING (ZUMTOBEL GROUP AG)	199
12.15.1 COMPANY OVERVIEW	199
12.15.2 FINANCIAL OVERVIEW	200
12.15.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	200
12.15.4 KEY DEVELOPMENTS	204
12.15.5 SWOT ANALYSIS	204
12.15.6 KEY STRATEGIES	205

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Smart Indoor Lighting Market Research Report Forecast Till 2030

Market Report | 2023-02-17 | 110 pages | Market Research Future

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User Price	\$4950.00
	Enterprisewide Price	\$7250.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-10
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com