

Human Centric Lightings Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Light Source Type (LED (Light Emitting Diode) Lighting, Fluorescent Lighting, Natural Light (Daylight)), By Installation Type (New Installations, Retrofit Installations), By End-User Industry (Commercial, Residential, Healthcare, Education, Industrial), By Region & Competition, 2020-2030F

<https://marketpublishers.com/r/HD1B417F73D1EN.html>

Date: June 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: HD1B417F73D1EN

Abstracts

Market Overview

The Global Human Centric Lightings Market was valued at USD 2.27 billion in 2024 and is projected to reach USD 8.73 billion by 2030, registering a robust CAGR of 25.40% through the forecast period. Human Centric Lighting (HCL) is transforming the lighting landscape by harmonizing artificial lighting with the body's circadian rhythm, supporting better health, cognitive performance, and emotional well-being. Unlike traditional lighting systems, HCL adjusts both light intensity and color temperature throughout the day to simulate natural daylight—boosting alertness during morning hours with cool light and fostering relaxation with warmer tones in the evening. This innovation proves especially beneficial in indoor environments with limited exposure to natural light, such as offices, schools, hospitals, and elderly care facilities. Market growth is being driven by increasing recognition of lighting's physiological impact, advancements in LED and smart lighting control technologies, and regulatory frameworks like WELL Building and LEED certifications promoting occupant wellness. Additionally, rising demand from aging populations, who are more susceptible to circadian disruptions, along with productivity-driven adoption across corporate and educational institutions, is

accelerating market expansion. As evidence supporting the benefits of HCL continues to mount, the technology is emerging as a key element in intelligent building design and wellness-focused facility management.

Key Market Drivers

Growing Awareness of the Importance of Lighting in Well-being and Productivity

The rising awareness about how lighting affects human wellness and productivity is a primary force driving the human centric lighting market. Research has shown that lighting plays a crucial role in regulating circadian rhythms, influencing mood, sleep, alertness, and cognitive performance. In response, businesses, schools, and healthcare institutions are prioritizing lighting systems that promote comfort, health, and enhanced performance. Scientific studies underscore the impact of HCL in promoting better sleep quality, reducing symptoms of mood disorders, and increasing concentration levels. By mimicking natural light cycles, HCL supports improved mental and physical health, making it an attractive investment for organizations aiming to improve workplace or learning environments.

Key Market Challenges

Implementation and Integration Challenges

A major hurdle in the widespread adoption of human centric lighting systems is the complexity and cost of integrating them into existing infrastructures. Retrofitting traditional lighting setups, especially in large commercial buildings, often involves extensive upgrades, including new fixtures, cabling, and control systems. This process can disrupt regular operations and require careful planning. Compatibility issues further complicate integration, particularly when legacy systems do not support the advanced automation and control capabilities required by HCL. Aligning HCL with other building management systems, such as HVAC and security platforms, demands precise coordination and technical expertise, which can extend timelines and inflate costs.

Key Market Trends

Integration of Artificial Intelligence and Machine Learning

A key trend gaining momentum in the human centric lighting market is the incorporation of AI and machine learning technologies. These intelligent systems analyze data from

sensors, user habits, and ambient conditions to optimize lighting settings in real-time, delivering personalized experiences. AI-enabled HCL systems learn from usage patterns to enhance comfort and productivity, adapting light levels and color temperatures dynamically. In addition, they provide analytics on energy consumption and user interaction, enabling data-driven decision-making. The fusion of AI and HCL not only enhances user experience but also contributes to energy efficiency and operational optimization in smart buildings.

Key Market Players

Signify N.V

OSRAM GmbH

TRILUX GmbH & Co. KG

Acuity Brands, Inc

Hubbell Incorporated

Zumtobel Group AG

Wipro Enterprises (P) Ltd

Samsung Electronics Co., Ltd.

BEGA Gantenbrink-Leuchten KG

Lutron Electronics Co., Inc

Report Scope:

In this report, the Global Human Centric Lightings Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Human Centric Lightings Market, By Light Source Type:

LED (Light Emitting Diode) Lighting

Fluorescent Lighting

Natural Light (Daylight)

Human Centric Lightings Market, By Installation Type:

New Installations

Retrofit Installations

Human Centric Lightings Market, By End-User Industry:

Commercial

Residential

Healthcare

Education

Industrial

Human Centric Lightings Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Egypt

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Human Centric Lightings Market.

Available Customizations:

Global Human Centric Lightings Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Formulation of the Scope
- 2.4. Assumptions and Limitations
- 2.5. Types of Research
 - 2.5.1. Secondary Research
 - 2.5.2. Primary Research
- 2.6. Approach for the Market Study
 - 2.6.1. The Bottom-Up Approach
 - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
 - 2.8.1. Data Triangulation & Validation

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMER

5. GLOBAL HUMAN CENTRIC LIGHTINGS MARKET OVERVIEW

6. GLOBAL HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Light Source Type (LED (Light Emitting Diode) Lighting, Fluorescent Lighting, Natural Light (Daylight))

- 6.2.2. By Installation Type (New Installations, Retrofit Installations)
- 6.2.3. By End-User Industry (Commercial, Residential, Healthcare, Education, Industrial)
- 6.2.4. By Region
- 6.3. By Company (2024)
- 6.4. Market Map

7. NORTH AMERICA HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Light Source Type
 - 7.2.2. By Installation Type
 - 7.2.3. By End-User Industry
 - 7.2.4. By Country
- 7.3. North America: Country Analysis
 - 7.3.1. United States Human Centric Lightings Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Light Source Type
 - 7.3.1.2.2. By Installation Type
 - 7.3.1.2.3. By End-User Industry
 - 7.3.2. Canada Human Centric Lightings Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Light Source Type
 - 7.3.2.2.2. By Installation Type
 - 7.3.2.2.3. By End-User Industry
 - 7.3.3. Mexico Human Centric Lightings Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Light Source Type
 - 7.3.3.2.2. By Installation Type
 - 7.3.3.2.3. By End-User Industry

8. EUROPE HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Light Source Type

8.2.2. By Installation Type

8.2.3. By End-User Industry

8.2.4. By Country

8.3. Europe: Country Analysis

8.3.1. Germany Human Centric Lightings Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Light Source Type

8.3.1.2.2. By Installation Type

8.3.1.2.3. By End-User Industry

8.3.2. United Kingdom Human Centric Lightings Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Light Source Type

8.3.2.2.2. By Installation Type

8.3.2.2.3. By End-User Industry

8.3.3. Italy Human Centric Lightings Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Light Source Type

8.3.3.2.2. By Installation Type

8.3.3.2.3. By End-User Industry

8.3.4. France Human Centric Lightings Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Light Source Type

8.3.4.2.2. By Installation Type

8.3.4.2.3. By End-User Industry

8.3.5. Spain Human Centric Lightings Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Light Source Type

8.3.5.2.2. By Installation Type

8.3.5.2.3. By End-User Industry

9. ASIA-PACIFIC HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Light Source Type

9.2.2. By Installation Type

9.2.3. By End-User Industry

9.2.4. By Country

9.3. Asia-Pacific: Country Analysis

9.3.1. China Human Centric Lightings Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Light Source Type

9.3.1.2.2. By Installation Type

9.3.1.2.3. By End-User Industry

9.3.2. India Human Centric Lightings Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Light Source Type

9.3.2.2.2. By Installation Type

9.3.2.2.3. By End-User Industry

9.3.3. Japan Human Centric Lightings Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Light Source Type

9.3.3.2.2. By Installation Type

9.3.3.2.3. By End-User Industry

9.3.4. South Korea Human Centric Lightings Market Outlook

- 9.3.4.1. Market Size & Forecast
 - 9.3.4.1.1. By Value
- 9.3.4.2. Market Share & Forecast
 - 9.3.4.2.1. By Light Source Type
 - 9.3.4.2.2. By Installation Type
 - 9.3.4.2.3. By End-User Industry
- 9.3.5. Australia Human Centric Lightings Market Outlook
 - 9.3.5.1. Market Size & Forecast
 - 9.3.5.1.1. By Value
 - 9.3.5.2. Market Share & Forecast
 - 9.3.5.2.1. By Light Source Type
 - 9.3.5.2.2. By Installation Type
 - 9.3.5.2.3. By End-User Industry

10. SOUTH AMERICA HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Light Source Type
 - 10.2.2. By Installation Type
 - 10.2.3. By End-User Industry
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Human Centric Lightings Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Light Source Type
 - 10.3.1.2.2. By Installation Type
 - 10.3.1.2.3. By End-User Industry
 - 10.3.2. Argentina Human Centric Lightings Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Light Source Type
 - 10.3.2.2.2. By Installation Type
 - 10.3.2.2.3. By End-User Industry
 - 10.3.3. Colombia Human Centric Lightings Market Outlook

- 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
- 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Light Source Type
 - 10.3.3.2.2. By Installation Type
 - 10.3.3.2.3. By End-User Industry

11. MIDDLE EAST AND AFRICA HUMAN CENTRIC LIGHTINGS MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Light Source Type
 - 11.2.2. By Installation Type
 - 11.2.3. By End-User Industry
 - 11.2.4. By Country
- 11.3. MEA: Country Analysis
 - 11.3.1. South Africa Human Centric Lightings Market Outlook
 - 11.3.1.1. Market Size & Forecast
 - 11.3.1.1.1. By Value
 - 11.3.1.2. Market Share & Forecast
 - 11.3.1.2.1. By Light Source Type
 - 11.3.1.2.2. By Installation Type
 - 11.3.1.2.3. By End-User Industry
 - 11.3.2. Saudi Arabia Human Centric Lightings Market Outlook
 - 11.3.2.1. Market Size & Forecast
 - 11.3.2.1.1. By Value
 - 11.3.2.2. Market Share & Forecast
 - 11.3.2.2.1. By Light Source Type
 - 11.3.2.2.2. By Installation Type
 - 11.3.2.2.3. By End-User Industry
 - 11.3.3. UAE Human Centric Lightings Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Light Source Type
 - 11.3.3.2.2. By Installation Type
 - 11.3.3.2.3. By End-User Industry

11.3.4. Kuwait Human Centric Lightings Market Outlook

11.3.4.1. Market Size & Forecast

11.3.4.1.1. By Value

11.3.4.2. Market Share & Forecast

11.3.4.2.1. By Light Source Type

11.3.4.2.2. By Installation Type

11.3.4.2.3. By End-User Industry

11.3.5. Turkey Human Centric Lightings Market Outlook

11.3.5.1. Market Size & Forecast

11.3.5.1.1. By Value

11.3.5.2. Market Share & Forecast

11.3.5.2.1. By Light Source Type

11.3.5.2.2. By Installation Type

11.3.5.2.3. By End-User Industry

11.3.6. Egypt Human Centric Lightings Market Outlook

11.3.6.1. Market Size & Forecast

11.3.6.1.1. By Value

11.3.6.2. Market Share & Forecast

11.3.6.2.1. By Light Source Type

11.3.6.2.2. By Installation Type

11.3.6.2.3. By End-User Industry

12. MARKET DYNAMICS

12.1. Drivers

12.2. Challenges

13. MARKET TRENDS & DEVELOPMENTS

14. COMPANY PROFILES

14.1. Signify N.V

14.1.1. Business Overview

14.1.2. Key Revenue and Financials

14.1.3. Recent Developments

14.1.4. Key Personnel/Key Contact Person

14.1.5. Key Product/Services Offered

14.2. OSRAM GmbH

14.2.1. Business Overview

- 14.2.2. Key Revenue and Financials
- 14.2.3. Recent Developments
- 14.2.4. Key Personnel/Key Contact Person
- 14.2.5. Key Product/Services Offered
- 14.3. TRILUX GmbH & Co. KG
 - 14.3.1. Business Overview
 - 14.3.2. Key Revenue and Financials
 - 14.3.3. Recent Developments
 - 14.3.4. Key Personnel/Key Contact Person
 - 14.3.5. Key Product/Services Offered
- 14.4. Acuity Brands, Inc
 - 14.4.1. Business Overview
 - 14.4.2. Key Revenue and Financials
 - 14.4.3. Recent Developments
 - 14.4.4. Key Personnel/Key Contact Person
 - 14.4.5. Key Product/Services Offered
- 14.5. Hubbell Incorporated
 - 14.5.1. Business Overview
 - 14.5.2. Key Revenue and Financials
 - 14.5.3. Recent Developments
 - 14.5.4. Key Personnel/Key Contact Person
 - 14.5.5. Key Product/Services Offered
- 14.6. BEGA Gantenbrink-Leuchten KG
 - 14.6.1. Business Overview
 - 14.6.2. Key Revenue and Financials
 - 14.6.3. Recent Developments
 - 14.6.4. Key Personnel/Key Contact Person
 - 14.6.5. Key Product/Services Offered
- 14.7. Zumtobel Group AG
 - 14.7.1. Business Overview
 - 14.7.2. Key Revenue and Financials
 - 14.7.3. Recent Developments
 - 14.7.4. Key Personnel/Key Contact Person
 - 14.7.5. Key Product/Services Offered
- 14.8. Wipro Enterprises (P) Ltd
 - 14.8.1. Business Overview
 - 14.8.2. Key Revenue and Financials
 - 14.8.3. Recent Developments
 - 14.8.4. Key Personnel/Key Contact Person

14.8.5. Key Product/Services Offered

14.9. Samsung Electronics Co., Ltd.

14.9.1. Business Overview

14.9.2. Key Revenue and Financials

14.9.3. Recent Developments

14.9.4. Key Personnel/Key Contact Person

14.9.5. Key Product/Services Offered

14.10. Lutron Electronics Co., Inc

14.10.1. Business Overview

14.10.2. Key Revenue and Financials

14.10.3. Recent Developments

14.10.4. Key Personnel/Key Contact Person

14.10.5. Key Product/Services Offered

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

I would like to order

Product name: Human Centric Lightings Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Light Source Type (LED (Light Emitting Diode) Lighting, Fluorescent Lighting, Natural Light (Daylight)), By Installation Type (New Installations, Retrofit Installations), By End-User Industry (Commercial, Residential, Healthcare, Education, Industrial), By Region & Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/HD1B417F73D1EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HD1B417F73D1EN.html>