ELCOMA

Electric Lamp & Component Manufacturers' Association of India

MEMBER'S DIRECTORY 2024-26

CELEBRATING 50 Years of Elcoma in India

LEDVANCE RADAR BATTEN & BULB

BENEFITS :

- BATTEN AVAILABLE IN 20W BULB AVAILABLE IN 10W
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- LESS ENERGY CONSUMPTION

LEDVANCE ROOTED IN GERMANY. ILLUMINATING GLOBALLY.

OSRAM

LEDVANCE is licencee of product trademark OSRAM for lamps products in general lighting

LEDVANCE PRIVATE LIMITED
Unit #303, 3rd Floor, ServSpaces 03, Plot No. D-5-6, Sector - 3, Noida, Uttar Pradesh, 201301, India
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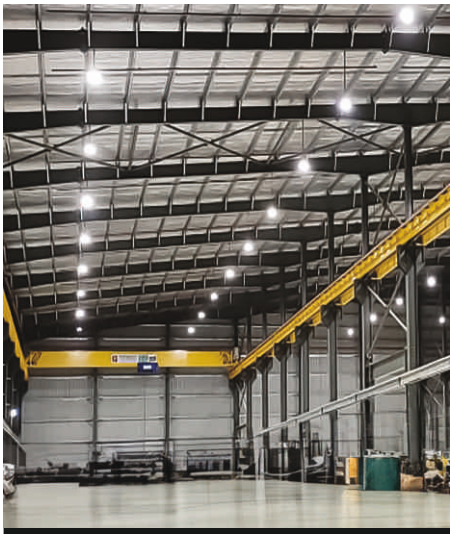
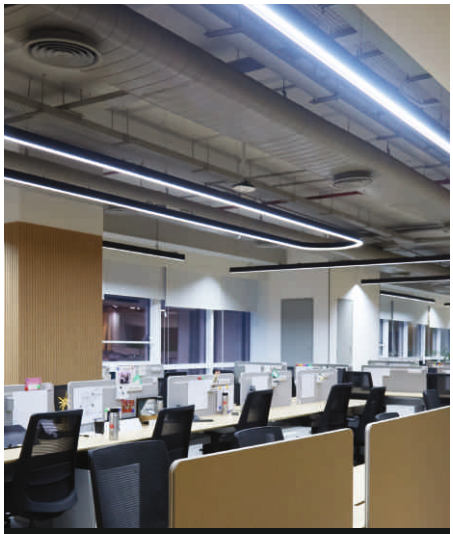
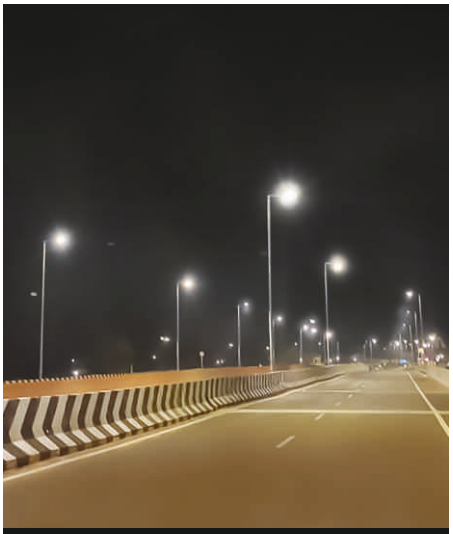


Industrial Lighting
Synchronous smart lighting solutions for real time monitoring; scheduling for optimum power usage and saving.



Commercial Lighting
Illumiga connected lighting solutions with customised modes, dimming options and day light harvesting to reduce operational costs.



Solar Street Lighting, Chennai
High wattage solar street lighting solutions for mainstream applications.

For increased efficiencies of cost and output in commercial, architectural, sports, street, industrial or any other infrastructure lighting requirements including customisations write to us at **illumination@bajajelectricals.com**

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Scan to locate the nearest Philips Smart light hub

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Our global brands:

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ECOLINK

interact by signify

COLORKINETICS

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67. POWER CONNECT INDIA

68. KESSLEC SMART LIGHTING TECHNOLOGIES PRIVATE LTD.

69. POLYCAB INDIA LTD.

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71. HALONIX TECHNOLOGIES PVT. LTD.

80. CAPTAIN GEARS & FANS

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84. USHA INTERNATIONAL LTD

85. DEWCON INDUSTRIES

86. KWW ELECTRICALS & ELECTRONICS PVT. LTD.

87. MITHABHI LAMPS PRIVATE LIMITED

88. TECHNO ELECTROMECH PVT. LTD.

89. M/S CHENFENG TECH PRIVATE LIMITED

92. SAHASRA SEMICONDUCTORS PVT. LTD.

93. AKARUI GREEN ENERGY SOLUTIONS

93. RISHABH INDUSTRIES

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97. ASHOKA INDUSTRIES

MESSAGE FROM - IMMEDIATE PAST PRESIDENT

I am pleased to present the 10th edition of the ELCOMA Members' Directory for 2024-26.

India's Growth Story

As of early 2024, India's GDP stands at nearly USD 4 trillion, making it the 5th largest economy, after the United States, China, Germany, and Japan. Looking ahead to 2030, the IMF projects India's GDP to reach USD 6.4 trillion by 2029, with a potential increase to USD 7.1 trillion by 2030. In a best-case scenario, GDP could soar to USD 7.8 trillion, while a more conservative outlook puts it at USD 5.2 trillion. Regarding per capita GDP, the IMF estimates it will rise from approximately USD 2,860 in 2024 to around USD 4,400 by 2029. By 2030, we anticipate per capita income exceeding USD 4,800 in the baseline scenario and crossing USD 5,300 in the best-case scenario. (Source: Report by IMA)

One of the key drivers of this growth has been India's increasing integration into the global marketplace through various Free Trade Agreements (FTAs) with countries of significant business potential. These agreements have opened new avenues for trade, fostering mutually beneficial relationships with several nations.

The Year 2024

As we enter the final quarter of 2024, it is encouraging to see the Indian economy continuing its robust growth path, bolstered by strong consumer confidence and renewed optimism. India remains one of the most promising economies globally, with infrastructure development, increased urbanization, and a favourable business climate creating vast opportunities.

For our lighting industry, this is an unparalleled moment to innovate, expand, and deliver greater value to our consumers.

ELCOMA's Vision for 2024 and 2030

Our goal is to support efforts to increase the localization of electronic components used in manufacturing LED lighting products, aligning with the Government's 'Make-in-India' initiative. And, to facilitate the use of advanced, emerging, and disruptive technologies in our lighting portfolio.

ELCOMA has played an active role in the introduction of the Production Linked Incentive (PLI) Scheme by the DPIIT for white goods, and we continue to contribute to this effort with the recent launch of PLI Scheme 3.0. Along with the Semicon India initiative, these programs will enable and promote electronic manufacturing in the country.

One area with tremendous potential is the integration of Artificial Intelligence (AI) in lighting. In my previous messages, I highlighted how AI is revolutionizing the design, manufacturing, and management of lighting systems. From smart homes to intelligent city lighting, AI is no longer a concept of the future—it is here and is reshaping our industry. Those who embrace this technology will find themselves at the forefront of a new era in lighting, where automation, customization, and sustainability converge. I urge all members to continue innovating and adopting AI-driven solutions to remain competitive and meet the evolving demands of consumers.

ELCOMA's Role as a Business Enabler

We have decided to organize and host a series of conferences and workshops to foster growth, innovation, and collaboration among all stakeholders in the lighting industry. These events will be managed by ELCOMA, with collaboration from other industry associations and exhibition partners, depending on the conference theme. In a significant shift from our previous events, we are restructuring the lighting conference series to be more inclusive, involving stakeholders such as lighting designers, regulators, green and wellness specialists, influencers, policymakers, users, and buyers from both the government and private sectors. I encourage all members to actively participate in this new format of conferences.

ELCOMA Board Expansion

We have also decided to expand the board, to incorporate diverse perspectives and expertise. This will enable us to navigate the regulatory landscape more effectively and advocate for the interests of our industry. I am confident this strategic move will strengthen our association's influence and enhance its effectiveness in shaping policies that impact our sector.

A Permanent Address for ELCOMA

Congratulations to the Secretariat and all members for achieving a significant milestone—the establishment of ELCOMA's new permanent office. This is a proud moment for all of us. The new office will serve as a centre of excellence and collaboration, helping our community thrive in the coming years. This space will not only enhance our ability to serve members but will also position ELCOMA as a beacon of progress and innovation in the lighting industry.

ELCOMA Secretariat

I would like to extend my heartfelt thanks to the ELCOMA Secretariat for their unwavering support and dedication. Their hard work behind the scenes has been instrumental in organizing our activities and strengthening our community. I also thank all ELCOMA members, advertisers, and contributors to our quarterly magazine Illumination and the Directory for their efforts in producing these valuable resources. I encourage you to reach out to the ELCOMA Secretariat with your suggestions and ideas for improving the directory and making it even more informative in the future.

All Good Things Come to an End

As this is my final message as President of ELCOMA, I want to express my deepest gratitude to all of you for your trust and support over the years. It has been an honour to serve this incredible community and witness the remarkable growth and transformation of our industry. I am confident that, under the leadership of the new board, ELCOMA will continue to reach new heights and guide our industry toward a brighter future.

AVINDER SINGH
immediate past president, ELCOMA

MESSAGE FROM PRESIDENT

In recent years, the Indian lighting industry has shown remarkable resilience and growth, closely aligning with the nation's rapid development across sectors. Driven by the government's PLI scheme and a renewed CAPEX cycle, the lighting sector is experiencing unprecedented demand as infrastructure, commercial spaces, and industrial projects expand. The Indian LED lighting market alone is projected to reach USD 23.2 billion by 2032, growing at an impressive CAGR of 20.4% from 2024 to 2032, according to market research firm IMARC Group. This upward trajectory reflects both the sector's resilience and its critical role in enhancing modern living and work environments.

Today's lighting solutions are evolving rapidly. With the transition from traditional lighting to advanced, IoT-enabled systems, consumers now expect lighting that not only illuminates but also adds aesthetic value, promotes energy efficiency, well-being and integrates seamlessly with digital solutions. Innovations like connected lighting systems are becoming popular, responding to a global focus on sustainability and well-being. India's role as a leader in LED technology and energy-efficient solutions, exemplified by initiatives like the UJALA program, further underscores the sector's commitment to reducing energy consumption and minimizing environmental impact.

Smart adaptive lighting with innovative form factors, meeting and surpassing global performance and regulatory standards will drive the future growth of lighting industry in India. These integrated systems not only enhance energy efficiency but also offer flexibility for a various applications across residential, commercial, infrastructure, industrial and public spaces.

Looking forward, the lighting industry has vast potential to grow further, particularly in smart lighting, renewable energy integration, and sustainable design. While technological advancements have disrupted traditional models, they also present unique opportunities for growth. To fully leverage these trends, the industry must prioritize investment in research, development, education and design.

The growth of the lighting sector is intrinsically linked with India's economic expansion. As investments in infrastructure and modern workspaces continue to rise, effective lighting will play a pivotal role in enhancing visual experiences and supporting growth across diverse segments. It is essential for industry players to focus on R&D and manufacturing to meet evolving demands and maintain India's leadership in this dynamic sector, synergetic with Make in India Program.

ELCOMA, as the apex association of the lighting manufacturers, will continue to focus on collaborating with government bodies, regulators and policy makers to fuel lighting industry growth. ELCOMA strongly supports and promotes lighting education and awareness of best practices, by collaborating with all stakeholders and relevant industry associations.

PARAG K BHATNAGAR
New President, ELCOMA

ELCOMA OFFICE BEARERS 2024-26

Electric Lamp & Component Manufacturers' Association of India

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Okhla Industrial Estate, New Delhi, Delhi 110020
Tel: +91-11-41556644
www.elcomaindia.com

THE GOVERNING BODY 2024-26

1.	President	Mr. Parag K Bhatnagar	Havells India Limited, Noida
2.	Vice-President	Mr. Jitendra Agrawal	Surya Roshni Ltd., New Delhi
3.	Vice-President 2	Mr. C Arun Kumar	Signify Innovation India Limited, Gurgaon
4.	Vice-President 3	Mr. Rajesh Naik	Bajaj Electricals Ltd, Mumbai
5.	Treasurer	Mr. Amit Mittal	Dixon Technologies India Limited, Noida
6.	Immediate Past-President	Mr. Avinder Singh	OSRAM Lighting Private Limited, Gurgaon
7.	Member	Mr. Sobat Singh Aswal	Havells India Limited, Noida
8.	Member	Mr. Sumit Padmakar Joshi	Signify Innovations India Limited, Gurgaon
9.	Chairman of IWG committee, ELCOMA	Mr. Nitish Poonia	Signify Innovations India Limited, Gurgaon
10.	Member	Mr. Shekhar Bajaj	Bajaj Electricals C/o. Hind Lamps Limited, Shikohabad
11.	Member	Mr. Sunil Vachani	Dixon Technologies (India) Pvt. Ltd, Noida
12.	Member	Mr. Raju Bista	Surya Roshni Ltd, New Delhi
13.	Member	Mr. Shaleen Nayak	Crompton Greaves Consumer Electrical Ltd, Mumbai
14.	Member	Ms. Uma Lanka	Crompton Greaves Consumer Electrical Ltd, Mumbai
15.	Member	Mr. Rakesh Zutshi	Halonix Technologies Limited, Noida
16.	Member	Mr. Gautam Seth	HPL Electric & Power Pvt. Ltd., Sonipat
17.	Member	Mr. Ananda Chatterjee	HPL Electric & Power Pvt. Ltd., Sonipat
18.	Member	Mr. Puneet Dhawan	LEDVANCE Private Limited, Noida
19.	Member	Mr. Ravindra Singh Negi	Orient Electric, Noida
20.	Chairman of LED+Technical committee, ELCOMA	Mr. Santosh Agnihotri	Orient Electric, Noida
21.	Member	Mr. Sriram Iyer	Wipro Enterprises Limited, Bangalore
22.	Member	Mr. Anuj Dhir	Wipro Enterprises Limited, Bangalore
23.	Member	Mr. Ranbir Raj Mehra	Jaquar & Co. Pvt. Ltd., Gurgaon
24.	Member	Mr. Ravi Dhulipala	Jaquar & Co. Pvt. Ltd., Gurgaon
25.	Member	Mr. Anirudh Kajaria	Century LED, Kolkata
26.	Member	Mr. E. Sivaramakrishnan	Luker Electric Technologies Pvt. Ltd., Kochi
27.	Member	Mr. Mohit Sharma	Eveready Industries, Kolkata
28.	Member	Mr. Amit Khandelwal	RK Lighting Pvt. Ltd., Mumbai
29.	Member	Mr. Raja Mukherjee	Panasonic Life Solutions India Pvt. Ltd.,Thane
30.	Member	Mr. Sunil Bakhshi	Focus Lighting & Fixtures Ltd., Mumbai
31.	Member	Mr. Jay Prakash Mohanty	Polycab India Ltd
	Secretariat:		
31.	Secretary General	Mr. Amal Sengupta	ELCOMA, New Delhi

Mr. Parag K Bhatnagar
President, ELCOMA

Mr. Jitendra Agrawal
Vice President, ELCOMA

Mr. C Arun Kumar
Vice President 2, ELCOMA

Mr. Rajesh Naik
Vice President 3, ELCOMA

Mr. Amit Mittal
Treasurer, ELCOMA

Mr. Amal Sengupta
Secretary General, ELCOMA

Mr. Avinder Singh
Immediate Past-President, ELCOMA

ELCOMA MEMBERS LIST

Sr. No.	Company	Authorised Representatives		Designation	Tel	Address
1.	**Arvind Press Caps Ltd**	Primary Representative	Mr. Himanshu Gupta	COO	01493-298066	Unit – II Plot No. B-186 (A) & B-187, RIICO Industrial Area, Kaharani, (Bhiwadi Extension),Bhiwadi – 301019,
2.	**Ashoka Industries**	Primary Representative	Mr. Anshul Mittal	Partner	-	D-130,131 Sector -7, Noida-201301, Uttar Pradesh
		Alternate	Mr. Ankur Mittal	Partner	-	
3.	**Atco Controls (India) Pvt. Ltd.**	Primary Representative	Mr. Bhavin S Soonderji	Director	022-22025528	38-B Nariman Bhavan, Nariman Point, Mumbai-400021
		Alternate	Mr. Bernard J Kramer			
4.	**Akarui Green Energy Soluions**	Primary Representative	Ms. Chaitra Gupta	Partner	080-40983855	48/3, 1st 'E' Main Road, Jakkasandra Extension, Koramangala, Bengaluru - 560034
		Alternate	Mr. Muralidhar Naykar	Business Head	080-40983855	
5.	**Bajaj Electricals Ltd.**	Primary Representative	Mr. Shekhar Bajaj	Chairman	022-24064200	27TH FLOOR, ONE UNITY CENTER, TOWER 4, SENAPATI BAPAT MARG, PRABHADEVI (WEST), MUMBAI – 400013
		Alternate	Mr. Rajesh Naik	Chief Operating Officer – Lighting Solutions Business	022-24064200	
6.	**Crompton Greaves Consumer Electrical Ltd**	Primary Representative	Mr. Shaleen Nayak	Vice President	022 6167-8499	05GBD, Godrej Business District, Pirojshanagar, Vikhroli (West), Mumbai, Maharashtra - 400079
		Alternate	Ms. Uma Lanka	AVP R&D	022 6167-8499	
7.	**Captain Gears & Fans**	Primary Representative	Mr. Surinder Trehan	CEO	9810145540	B-84, Sector 80, Noida-201305(U.P.)
		Alternate	Ms. Chandni Sikand	Business Partner	-	
8.	**Century LED Limited**	Primary Representative	Mr. Anirudh Kajaria	Business Head	1800 3451345	P-15/1, Taratala Road, CPT Colony, Century House-3rd Floor, Taratala, Kolkata-700088, West Bengal
		Alternate	Mr. Gopal Singh	Director	033-2669-5591/033 3055 4060	Srijan Industrial Logistic Park, Block A, 1 St Floor, Nh-6, Bombay Road, Ankurhati, Domjur, Howrah, Pin- 711302, West Bengal, India
9.	**Chenfeng Tech Private Limited**	Primary Representative	Mr. James Haung	GM	-	Plot No-21, Ecotech-1, Extension-1, Greater Noida, Gb Nagar, U.P- 201310
		Alternate	Mr. Kirty Dungarwal	-	-	
10.	**Dixon Technologies (I) Pvt. Ltd.**	Primary Representative	Mr. Sunil Vachani	Executive Chairman	0120-4737200	B-14/15, Phase-II, Noida, Uttar Pradesh-201305
		Alternate	Mr. Amit Mittal	Sr. Vice President	0120-4737200	
11.	**Dewcon Industries**	Primary Representative	Mr. Mukesh kumar Kohli	CEO	-	Village, Kirapalpur, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh- 1741101
		Alternate	Mr. Ramakant Dewan	Partner	-	
12.	**Eveready Industries India Ltd.**	Primary Representative	Mr. Mohit Sharma	Sr. Vice President-Business Head Lighting and Appliances	033-24864961 033-24559213/30587822	2, Rainey Park, Kolkata-700019
		Alternate	Mr. Subrata Sen	Head- Professional Luminaire business	91-33-2486 4961	
13.	**ECUE Lighting India Pvt. Ltd (Traxon)**	Primary Representative	Mr. Shirish Mathur	Regional Head- Sales	080-46462000	113, Prestige Pinnacle, Koramangala, 7th Block, Bangalore- 560095
		Alternate	Mr. Ajay Mittal	Lead Associate-Operations	+919958793960	Corenthum Towers A,Unit 1410, 4th Floor, Sector 62- NOIDA-201310-UP-India

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Sr. No.	Company	Authorised Representatives		Designation	Tel	Address
14.	ESKO CASTING AND ELECTRONICS PRIVATE LIMITED	Primary Representative	Mr. GD Agrawal	President	9831091474	Plot No. 807, Sector 58, Faridabad-121004
		Alternate	Mr. Arun Poddar	Director	9339002458	181/1, AJC Bose Road, Samilton Chambers, 2nd Floor, Kolkata- 700014
15	Fulham India Pvt. Ltd	Primary Representative	Mr. Subrata Ghose	Managing Director	91 20 24690703/04	Survey No. 26/3, Village Narhe, taluka - haveli, dist.Pune– 411041
		Alternate	Mr. Upender Singh	Vice President- Sales &Marketing - India | Middle East | Europe	91 20 24690703/04	
16.	Fiem Industries Ltd.	Primary Representative	Mr. J.K. Jain	CMD	0130-2367905/906/907 /909/910	1915, Rai Industrial Estate, Phase-V, Distt. Sonepat-131029
		Alternate	Dr. HC Kandpal	VP- R&D	0130-2367905/906/907 /909/910	32 Milestone, GT Road, Kundli, Sonepat -131028,Haryana, India.
		Alternate	Mr. Z A Khan	Executive President & Business Head , LED Lighting Division	7027771323, 9654917786	D5, Mansarover Garden New Delhi -110015
17.	Fluxlite Nims Pvt.Ltd	Primary Representative	Dr. Balvir S Tomar	CMD	0141-2771980	G976-979 B, C, D, G-986-To G-991, Sitapura Industrial Area, Phase 3, Jaipur-302022
		Alternate	Mr. Pramod Kumar Pandey	Quality & Services Head	0141-2771980	
18.	M/s. Focus Lighting & Fixtures Limited	Primary Representative	Mr. Sunil Bakhshi	Director & Business Head	91-22-26865671 - 5	1007-1010, Corporate Avenue, Sonawala Road,Goregaon East, -Mumbai- 400063, Maharashtra
		Alternate	Mr. Vinod Hinger	-	-	
19.	Halonix Technologies (P) Limited	Primary Representative	Mr. Rakesh Zutshi	Managing Director	0120-4756100	B -31, Phase II, Noida-201305
		Alternate	Mr. Sameer Jindal	Vice President	0120-4756107	
20.	Havells India Limited	Primary Representative	Mr. Parag Bhatnagar	President & SBU Head	91 120 3331000	QRG Towers, 2D, Sec 126, Expressway
		Alternate	Ms. Sudeshna Mukhopadhyay	Vice President Professional Lighting	0120-4771000/0120 - 3331000	
21.	HPL Electric & Power Pvt. Ltd.	Primary Representative	Mr. Gautam Seth	Director	0120-4656300,	Plot No. -76B, Phase-IV, Sector-57, Kundli, Sonipat-131028
		Alternate	Mr. Ananda Chatterjee	VP- Sales & Marketing	-	
22.	Indo Japan Horologicals Pvt. Ltd.	Primary Representative	Mr. Mayor Bothra	CEO	033-4068 7043	J/12, Block EP, Sector-5, Salt Lake, Kolkata-700091
		Alternate	Ms. Ankita Bothra	Director	033-4068 7043	
23.	Inventronics SSL India Pvt Ltd.	Primary Representative	Mr. Nitin Saxena	Director-Asia South & ANZ- Digital Systems	0124-6578700	IFFCO Surinder Jhakhar Bhawan, 1st Floor, Plot No 3, Sector 32, Gurugram 122001
		Alternate	Mr. Shashank Chawan	Director	0124-6578700	
24.	Jaquar and Company Pvt. Ltd	Primary Representative	Mr. Ranbir Raj Mehera	Director	0124 474 6800, 18002126808	Plot No. 3, Sector-11, IMT Manesar, Gurgaon- 122050
		Alternate	Mr. Ravi Kumar Dhulipala	Business Head-Lighting	0124 474 6800, 18002126808	
		Alternate	Mr. Salil Kulshrestha	Plant and R&D Head	0124 474 6800, 18002126808	
25.	Just About Power	Primary Representative	Dr. Deepa Agarwal	Partner	011-40584111	34, Bhagwan Nagar, Ashram, New Delhi-110014
		Alternate	Mr. Gagandeep Garg	Manager	1140584111	178, First Floor, FIE, Patparganj Industrial Area, Delhi-110092

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Sr. No.	Company	Authorised Representatives		Designation	Tel	Address
26.	**Keselec Smart Lighting Technologies Private Limited**	Primary Representative	Mr. Chekitan Sawhney	Managing Director	91 93 5010 7996	55, Industrial Area, NIT, Faridabad-1210001
		Alternate	Mr. Sumeet Sharma	Vice President – Operations	91 93 5010 7996	
27.	**KWW Electricals & ElectronicsPvt.Ltd**	Primary Representative	Mr. Arup Sengupta	President	033-22158628	P-38, India Exchange Place, 3rd Floor , kolkata-70001
		Alternate	Mr. Ajit Kumar Khaitan	Director	033-40089351	Jalan Industrial Complex, Argori, Andul Mouri, Sankrail, Howrah, West Bengal-711302
28.	**Litex Electricals Pvt. Ltd**	Primary Representative	Dr. A D Kulkarni	CMD	91 20 66301073/77	W-134 S Block, MIDC, Bhosari, Pune-411026
		Alternate	Mr. S.V. Karkarey	Executive Director	020-66301073	
29.	**Lighting Technologies India Pvt.Ltd**	Primary Representative	K.V. Harinarayanan	CEO- South Asia	080 66556655	No. 40, Jigani Industrial Area, I Phase, Sy. No. 592 &Amp;124, Jigani Village &Amp; Hobli, Anekal Taluk, Banglore 560105 Karnataka,
30.	**LEDVANCE Private Limited**	Primary Representative	Mr. Puneett Dhawan	MD	0120-4150100	Unit No. # 303, 3rd Floor, Servspaces 03, Plot No. D-5-6, Sector- 3, Noida-201301
		Alternate	Mr. Sanjeev Jain	Sr. VP Sales & Marketing	0120 -4150100	
31.	**Luker Electric Technologies Pvt.Ltd**	Primary Representative	Mr. V. Jothish Kumar	CEO & MD	8800169720	54, Krishnarayapuram Thotta Salai, Old Cochin Byepass Road, Chettipalayam, Tamil Nadu - 641201
		Alternate	Mr. E. Sivaramakrishnan	Director- Technical	8800169720	
32	**Lutron GL Sales & Services Pvt Ltd.**	Primary Representative	Mr. Vivek Ranjan	Sr. Manager-Operations	9599193814	4th Floor, Building #8A, DLF Cybercity Gurgaon-122002
33.	**Mercury Lighting Pvt. Ltd**	Primary Representative	Mr S. K. Bansal	Executive Director	0135-2430168	64, Laxman Jhula Rd. Rishikesh-249201 Uttarakhand
		Alternate	Mr. V K Agarwal	Director	0135-2430168	
34.	**Mithabi Lamps (P) Ltd**	Primary Representative	Mr. Sumit Mohan Sinha	Director	01275 262136	Tatarpur Road, Prithla Industrial Area, Sector-10, Village Prithla, Tehsil & Distt. Palwal-121102
		Alternate	Mr. Vidyut Sinha	Director	01275 262136	
35.	**MLS Inida Pvt.Ltd**	Primary Representative	Mr. Sean Chi	Manager Operations	-	1201 & 1202, 12th Floor, Signature Tower, Tower-A , South City-1 Sector – 30,Gurugram-122001, Haryana, India
36.	**Orient Electric**	Primary Representative	Mr. Ravinder Singh Negi	CEO	0120 489 4900	42 Aipl Building Okhla Phase-3 New Delhi 110022
		Alternate	Mr. Santosh Agnihotri	Genaral Manager-Head(Quality & Technical)	0120-4628750/ 4626702	D-209, Sector 63, Noida-201301
37.	**OSRAM Lighting Private Limited**	Primary Representative	Mr. Avinder Singh	Managing Director	0124-6261300	1st Floor, Plot No. 03, Sector-32, IFFCO Surinder Jhakhar Bhawan, Gurgaon- 122001
38.	**Panasonic Life Solutions India Pvt. Ltd.**	Primary Representative	Mr. Raja Mukherjee	BU Head – Lighting Business Unit	-	3rd Floor, B Wing I-Think Techno Campus,Pokharan Road No. 2, Thane (W), Thane - 400 607, Maharashtra
		Alternate	Mr. Dhaval Mehta	Lighting- Q&A	-	
39	**Polycab India Ltd.**	Primary Representative	Mr. Jay Prakash Mohanty	Executive Vice President	9930955390	Polycab India, The Ruby Tower, Dadar West Chowk, Mumbai, Maharashtra 400028
		Alternate	Mr. Rohit Dube	Senior Vice President	9810199311	

ELCOMA MEMBERS LIST

Sr. No.	Company	Authorised Representatives		Designation	Tel	Address
40	**Prompt Services**	Primary Representative	Mr. Dilip Joshi	CEO	9552002173	Plot No. L-141, MIDC Industrial Area, Ahmedgnagar- 414111
		Alternate	Mr. Mihir Joshi	Business Development	9552002173	
41	**Power Connect India**	Primary Representative	Mr. Tarun Kharbanda	Partner	-	2a-27, New Industrial Town-1, Faridabad-121001, Haryanana
		Alternate	Ms. Sakshi	Sr. Sales Executive	-	
42	**Rishab Industries Ltd. (Cenzer)**	Primary Representative	Mr. Joit Kumar Jain	CMD	020-66305241	Plot No. 54, Mapusa Industrial Estate, Mapusa, Bardez, Goa
		Alternate	Mr. Mayur Jain	Proprietor	022-61116666	20-B, Sugra Building, 2nd Floor, 16th Tribhuvan Road, Mumbai-400004
43	**RK Lighting Pvt. Ltd.**	Primary Representative	Mr. Amit Sureshkumar Khandelwal	Director	022-67124462/63	223, Adhyaru Industrial Estate, Sunmill Compund, Lower Parel, Mumbai-400013
		Alternate	Mr. Amit Sen	COO	033-40089351	
44	**Sahasra Semiconductors Pvt .Ltd**	Primary Representative	Mr. Amrti Lal Manwani	CMD	0120-2462782	Plot No. 33, Pocket 1, Jasola Management Insititute
		Alternate	Mr. Susnata Dutta	Chief Financial Officer	0120-2462782	Plot No. B-2, ELCINA Electronics Manufacturing Cluster, Industrial Area Salarpur, Bhiwadi, Distt. Alwar, Rajasthan-301019
45	**Signify Innovations India Limited (erstwhile Philips Lighting India Ltd.)**	Primary Representative	Mr. Sumit Padmakar Joshi	Vice Chairman & Managing Director	-	9th Floor, DLF -B, DLF Cybercity, DLF Phase-3, Gurgaon-122002
		Alternate	Mr. Nitish Poonia	Head- Public & Govt. Affairs	-	
46	**Surya Roshni Ltd.**	Primary Representative	Mr. J.P. Agarwal	Chairman	011-25810093 -96	Padma Tower I, 2nd Floor, Rajendra Place, New Delhi-110008
		Alternate	Mr. Raju Bista	Managing Director	011-25810093-96	
		Alternate	Mr. Vasumitra Pandey	COO	011-47108000	
47	**SUNPU INDIA LED CO. LLP**	Primary Representative	Mr. Rohit Patel	CEO & MD	91-120-4346767	E-21, Sector- 7, Noida-201301
		Alternate	Mr. Pramesh Gupta	Chairman & Director	-	
48	**Techno Electromech Pvt.Ltd**	Primary Representative	Mr. Saurabh Patel	Managing Director	07600248768/ 76000248968	R.S. NO. 858, OPP. GSFC MAIN GATE, CHHANI, VADODARA – 391750
		Alternate	Mr. Tej Patel	Director	07600248768/ 76000248968	
49	**Usha International Ltd**	Primary Representative	Mr. Ashok Viswananthan	Sr. Vice President	0124-4583100	Plot No. 15, Institutional Area, Sector-32
		Alternate	Mr. Ranveer Singh	Manager- Lighting	-	
50	**Uniglobus Electricals and Electronics Pvt. Ltd (A wholly owned subsidiary of Polycab India)**	Primary Representative	Mr. BS Praveen	President	-	Unit 3F, Halol- Vadodara Road, Vill: Rampura, Taluka: Halol, Distt: Panchmahals, Gujarat-389350
51	**Wipro Enterprises Limited**	Primary Representative	Mr. Vineet Agrawal	CEO	080-28440011, 080-61990100	Wipro House, No 8, 80 feet Road, Koramangala 1 st Block, Bangalore-560034, Karnataka
		Alternate	Mr. Sanjay Gupta	Sr. Vice President	0240-2351291, 080-61990100	
		Alternate	Mr. Anuj Dhir	VP- Business Head	-	

THE ELCOMA STORY

About ELCOMA

On 29th June, 1970, the electric lamps and components manufacturers in India founded “Electric Lamp and Component Manufacturers Association of India” (ELCOMA), representing the entire lighting industry. The main purpose founding members had in mind was to establish liaison with government bodies and to support each other in matters connected with lighting industry. It has been our endeavour to make new technology and energy efficient products in India. The vision 2020 ensured installation of >1.2 billion LED Lamps, 30 million Street Lights and 50 million Downlights. This saved more than 36000MW power. ELCOMA, representing the Indian lighting industry aims to act as an important link to support each other in matters connected with lighting industry, to promote and develop co-operation among the manufacturers and brands of electric lamps and components and to further facilitate the overall interests of its members. The association has been helping to upgrade the knowledge and technical capabilities of its members through liaison with other relevant organizations both in India and abroad. In earlier years, ELCOMA successfully drew attention of the government to the difficulties faced by the members and highlighted developments in new light sources and energy saving solutions to the customers. During 80's and 90's extensive development and introduction of various types of energy saving lamps offered wide range of choice to the customer and offered indigenously manufactured lamps for all type of applications, thereby saving precious foreign exchange when the country needed it most. ELCOMA can be proud of the fact that inspite of inflation, energy price increases and other price rises, the price of lighting products have become more cost effective. With the success achieved by the Association, new entrants to the lighting industry from organized as well as small sector readily became members and took active interest in the growth and development of the lighting industry. ELCOMA has been making all products in India for more than 70 years. Functions and Services The main objectives of ELCOMA and its functions and services are as under:

- To enable manufactures / brands of lighting to federate or corporate by becoming members or associates of the Association, either by themselves or their nominees or act as their representatives or representatives for such manufacturers.
- To promote and develop co-operation among the manufacturers / brands of lighting products and lighting controls and to further facilitate the manufacture / selling of products in particular.
- To promote the consideration and discussion of all questions affecting the lighting industry to generally watch over and protect the interest of persons engaged in the manufacture / selling of such products.
- To diffuse among its members information on all matters, affecting the Lighting manufacturers / brands to print and publish, issue and circulate such papers and periodicals, circulars and other material relevant as may be seen conducive to any of these objects.
- To collect information, circulate, and publish the policies of Government and activities of the Association from time-to-time by circulars and ILLUMINATION magazine published once in a quarter.
- To organize and host a series of conferences and workshops, to foster growth, innovation, and collaboration within all stakeholders connected to the lighting industry. The lighting conference series are more inclusive and collaborative with other stakeholders like Lighting Designers, Regulators, Green and Wellness specialists, Influencers, Policy makers, Users and buyers, both in the government and in private sector.
- To ensure the interest of the lighting industry and members by engaging with relevant bodies in Government for Policy practices and regulatory issues.
- To make representations and to deal with the subjects that affect the lighting industry and find ways and means of solving the problems and difficulties relating to subjects like Regulations, Standardization, Annual Budget, Free Trade Agreements taxation (all types-customs, excise, octroi, sales tax and GST etc), import duty structure.
- To carry out such acts as maybe required for the benefit of the industry to upgrade themselves in terms of knowledge/ technology etc.
- To educate and inform the consumer on the developments in the industry and help the nation to save energy and costs through introduction of connected lighting products and applications.
- To act as a link between lighting and other industry association in India and worldwide in matters concerning common interest.
- Liaison with global bodies to update members on regulations and practices
- Create a platform to establish Indian competencies globally.

CROSSING THE CHASM

Sudeshna Mukhopadhyay on adapting global application standards /regulations in India to focus on light quality driven specifications

Recent updates in European/global lighting application standards for functional areas dwell around Human centricity with emphasis on quality aspects of light and lighting. With the Indian consumers and policy makers solely focused on energy efficiency, product specifications driving light quality have not been well addressed. It is imperative to bring to attention the dire need to shift our paradigm, to ensure that energy efficient LED lighting also enables well-being of humans and ecology.

The Past

The past decade has been designated as the disruptive decade in the lighting industry as it moved from analogue conventional lighting to the digital LED era. With this transition to digital domain, the lighting industry is far more visible, important and recognized than ever before. LED lighting has helped to bring down the installed load and therefore energy consumption between 50-60% in most cases. India has grown to be one of the largest consumers of general LED products, mainly manufactured or assembled in India.

Thus far, for functional lighting, the singular focus and primary specifications of LED products in India have been around 'higher system efficacy' i.e. lumens/watt and to some extent life class, along with compliance to safety (and photobiological) standards. This is understandable that in developing economies like India, energy consumption and therefore cost is always on rise. Managing the demand and peak load has been well addressed by switching to energy efficient LED lighting. Concurrently, government driven bulk purchase initiatives paved the way for local manufacturing with downward spiraling prices leading to wide adoption of new technology.

It has been heartening to note that India has been one of the first countries to publish the standards (BIS) for LED products, including mandatory compliance and labelling.

It is true that high energy consumption leads to climate imbalance. The Lighting industry has continuously and relentlessly addressed that issue well above benchmark values and will continue to do so as LED technology progresses.

The point of concern is that the sole focus on lumen/watt as the key evaluating specification of lighting products has led us to let go and suboptimize quality parameters like surface brightness and glare control, colour quality, intensity distribution, lumen maintenance through lifetime, flicker, spill light, light trespass, light pollution, etc which impact visual acuity, comfort, psychological and biological well-being of humans and nature.

The Future - is Now

Now is the right time for the lighting industry to shift paradigms and cross the chasm and collectively pave the way for accelerated adoption of Human and Ecology Centric Lighting in India. With rapid technology advances, both can co-exist.

The impact of light on health and well-being is well accepted and established in both scientific and design community. The

global standards and regulatory bodies are now updating or have already updated the application standards to be more inclusive of non-visual impact. Needless to mention that COVID has taught us that human and environment well-being are our most precious resources.

Out of the recent updates, the ones which are of interest and relevant to India, are EN 12464-2021 (Light and lighting - Lighting of work places - Part 1: Indoor work places) and BS 5489 1:2020 (Design of road lighting Part 1: Lighting of roads and public amenity areas — Code of practice), apart from WELL Building Standard™ version 2 from the International Well Building Institute (IWBI).

The EN 12464-1 clearly states in its foreword

- *Lighting requirements for task areas to fulfil visual tasks are given a close relation to the space in which they are carried out. Technologically LED has taken over as the main light source from previous technologies. The main changes with respect to the previous edition are:*
- *The recommendations (given in the tables in Clause 7) take user needs more into account than in the past. Thus, the requirements for necessary illuminance (according to Clause 7) are more differentiated.*
- *The impact of visual and non-visual (non-image forming) effects of light on people's performance and well-being are elaborated (in the new informative Annex B.)*
- *Requirements for walls, ceilings and cylindrical illuminances (are moved from the main text to the tables in Clause 7) for increased visibility and usability.*
- *A new chapter on design considerations (Clause 6) gives advice on how to apply the requirements when designing lighting for visual tasks and activities within a space.*
- *Relation between task area and its immediate surround and the background area is more detailed*
- *Glare requirements have been clarified for improved usability including clarification for shielding in 5.5 and recommended practices for UGR in non-standard situations has been added in a new informative Annex A.*
- *Flicker and stroboscopic effect is updated*
- *Further it also elaborates that*
- *The main criteria determining the luminous environment with respect to electric lighting and daylighting are:*
- *luminance distribution*
- *illuminance*
- *glare*
- *directionality of light, lighting in the interior space*
- *colour rendering and colour appearance of the light*
- *flicker*
- *variability of light (levels and colour of light)*

In the BS 5489 1:2020, the impact of lighting on ecology, obtrusive light, need to vary lighting level and colour across different times of the night, has been categorically addressed. Following are some statements which are excerpts from the standards

- *Environmental issues associated with road lighting are prime considerations when designing a new or replacement lighting scheme.*
- *The environmental impact of lighting can be reduced by varying the lighting level to allow the appropriate lighting class to be applied at the relevant time, even switching off at certain times if deemed appropriate.*
- *Minimizing obtrusive light (Sec 4.2.3)*
- *Effect on ecology, flora and fauna (Sec 4.2.4)*
- *Lighting and human health*
- *When specifying a light source, designers should avoid light sources which produce excessive flicker*

The subject of lighting and its impact on visual and non-visual responses is universal in nature and is applicable to Indian ethnicity as well.

Currently, quite a few BIS standards are being updated and this is the perfect time for us to embrace the true potential of digital lighting and look beyond energy efficiency, while updating the same. It is imperative to benchmark and adapt the global standards especially in lighting applications, without being judgmental on suitability or its ease of use in India. The ongoing revisions of IS 1944 and IS 3646 should be inclusive of impact on human and ecology's health and well-being and not be restrictive to quantity and limited quality parameters in lighting. This is an essential requirement.

The new IS application standards, when accepted, would imply upgraded product specifications to meet the design and application requirement in the new standards.

- LED source - higher quality, consistency and stability in color parameters
- Driver - high power delivery, low flicker, low harmonics, high power factor, easily controllable and tunable
- Optics – Material and design, ensuring balance in luminance, appropriate intensity distribution, glare, spill and obtrusive light control

- Better lumen maintenance and life class of hardware and electronics, ensuring that e-waste is minimised with less disposal
- Choice of form factors - truly exploiting the full potential LED from size point of view with superior finish, also ensuring installation and maintenance ease.

All these and more should be adaptable to Smart and Connected platforms with simple installation techniques and interfaces. They need to be designed around Indian building and city layouts and user habits. As LED technology progresses, this could open up new design possibilities, with data processors being integrated within the light emitting chip

To facilitate wider acceptance and adoption of human centric specifications, regulators should explore possibility of mandatory 'Light Quality/ Wellness Category labelling' along with Energy and Risk Group Labelling for certain product categories. Of course, criteria guidelines, measurement procedures and Testing facilities need to be set up for this.

Concurrently, awareness and education will be a prime mover in migration and adoption of new technologies and application standards. Closer co-operation between independent lighting designers, application specialists, educators with manufacturers and their alliances, is needed to create awareness, conduct impact analysis study and future research.

India has already established its legacy in making standard LED products affordable, within a very short time. Smart lighting products are advanced semiconductor devices. Prices of such components become affordable with consumption scale. With collaborative and collective focus on creating awareness, and government initiatives on Make in India, higher grade products should be affordable and will become standard specifications in times to come.

Lighting Industry in India is suitably poised to move to next level. Surely with advanced standards and technologies, the market size will grow, be technologically matured - opening up new business opportunities for the manufacturers, component suppliers, regulators, testing laboratories, product and application designers.

In summary, augmented IS standards in lighting applications will augur well for lighting industry. It will not only be a profitable growth lever, but also make the industry a socially committed and responsible stakeholder, that considers Human and Ecological Health and Well-being, as its core values for innovation, manufacturing, design and application.

AUTHOR : SUDESHNA MUKHOPADHYAY, CONSULTANT AND VICE PRESIDENT WITH HAVELLS INDIA LTD

Several sections of this article contain direct excerpts from published standards for reference. No copyright violation is intended

INTERNATIONAL SOLID STATE LIGHTING ALLIANCE (ISA)

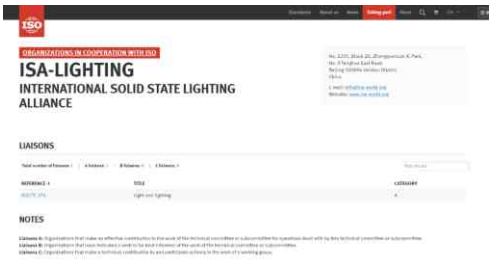
ISA is a non-for-profit international organization consists of regional alliances, association/society, leading companies and renowned universities in global Solid State Lighting (SSL) field.
The Business of ISA members have covered the whole SSL value chain of upstream, middle stream and downstream of global SSL industry such as epitaxy, packaging application, materials and equipment, design system integration and testing etc.
Currently, ISA has 82 members, representing more than 4000 individuals & organizations includes major players (such as Signify, Osram, Samsung, GE Lighting, Cree, Veeco, AIXTRON etc.). The output of which covers more than 70% that of global SSL industry.
The ISA Board of Advisers consists of leading experts and academic "Founder" level experts, such as the inventors of blue LED, yellow LED, Red LED, and OLED. Amongst Professor Shuji Nakamura, the Laureate of Nobel Prize in Physics in 2014, is the Co-Chair of ISA Board of Advisors (BOA) and Professor Hiroshi Amano, the Laureate of the Nobel Prize in Physics in 2014 is the member of ISA BOA.
The current president of ISA is Dr. Jianlin Cao, the former vice minister of Ministry of Science and Technology, China.

The Mission of ISA

Cooperation with the global resources and efforts, to foster a more appropriate "eco-system" for the health development of the global SSL and its application, echo the needs of the society with more added value services to ISA members, strive to improve people's living and contribute a sustainable human society.

The Major Work of ISA

ISA subordinates 6 sub-committees and carry out its work under these relevant fields, i.e. ISA Technical Committee on Standardization, ISA Smart Lighting Committee, ISA LiFi Committee, ISA Micro-LED Committee, ISA Agricultural Lighting Committee and ISA UV LED Committee.In addition of above ISA has also taken the responsibilities of Secretariat and daily work of the "BRICS SSL Collaboration Working Group", develops industry reports annually, conducts three Global SSL awards programs (Award of Outstanding Achievement for Global SSL Development; Global SSL Award for Outstanding Industry Development; Global SSL Award of Innovations Top100;) and other related work every year to promote the communication, cooperation and development among regions, countries in SSL and the field of "beyond lighting".



President

Dr. Jianlin Cao
Former Vice Minister of Ministry of Science and Technology, China

Council Management

Ms. Ling Wu — President of China SSL Alliance
Prof. Warren Julius — Emeritus Professor, University of Sydney
Prof. Robert Karlicek — Director, Center for Lighting Enabled Systems & Applications (LESA)
Mr. Amal Sengupta — Secretary General of the Electric Lamp and Component Manufacturers Association of India (ELCOMA)
Mr. Kim Oleg — Representative of Russian Association of LED Manufacturers (APSE)
Mr. Carlos Lee — Director General European Photonics Industry Consortium (EPIC)

Current Members (82 Total)

ISA Global SSL Industry reports:

Please visit www.isa-world.org for more information

Connect with ISA

If you would like to join ISA or participate in ISA's activities, technical workshops, international seminars etc. please contact the Secretariat at secretariat@isa-world.org.

The Secretariat:

Address: No.809, Block 2D, Zhongguancun IC Park, No. 9 Fenghao East Road, Haidian District, Beijing, China (100094) Tel: 86-10-62607581 Fax: 86-10-62607258 Email: secretariat@isa-world.org
Website: www.isa-world.org

■ ISA Member

GLOBAL LIGHTING ASSOCIATION

The Global Lighting Association is the voice of the global lighting industry.

GLA fosters growth for global lighting industries by promoting the value of lighting, and by promoting trade practices and healthy regulatory frameworks that stimulate innovation and fair competition.

Within the limits of competition law, GLA shares information on political, scientific, social and environmental issues of relevance to the lighting industry and advocates the position of the global lighting industry to relevant stakeholders in the international sphere.

Significant Recent Publications

- Guidelines for Quantification of Airborne Pathogen Inactivation by UVGI Technologies
- GLA Regulatory Guidelines: General Service and Linear LED Lamps
- Position Statement on Phasing-out Fluorescent Technologies
- Position Statement on Germicidal UV-C Irradiation: UV-C Safety Guidelines
- Germicidal UV-C Irradiation: Sources, Products and Applications
- Light at night: the importance of quality lighting and night preservation
- Position Statement on Temporal Light Artefacts
- Strategic Roadmap of the Global Lighting Industry

Website: www.globallightingassociation.org

Board Members

- Bryan Douglas - Resident Director, Global Lighting Association (Australia)
- Russell Loane - Resident Director, Global Lighting Association (Australia)
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Chris Chen - Board member, representing Taiwan Lighting Fixture Export Association

Pekka Hakkarainen - Board member/Vice President representing National Electrical Manufacturers Association (USA)

Karen Willis - Board member representing National Electrical Manufacturers Association (USA)

BUREAU OF ENERGY EFFICIENCY

Ministry of Power, Govt. of India, 4th Floor, Sewa Bhawan, R. K. Puram, New Delhi - 110066 (INDIA)

The Government of India set up Bureau of Energy Efficiency (BEE). on 1st March 2002 under the provisions of the Energy Conservation Act, 2001. The mission of the Bureau of Energy Efficiency is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act, 2001 with the primary objective of reducing energy intensity of the Indian economy.

Standards & Labeling Program of BEE

The Bureau of Energy Efficiency launched the Standards & Labeling (S&L) Program in 2006 for equipment and appliances with the objective to provide consumers with informed choice about energy-efficient appliances and equipment. The star label rates the energy performance of appliances on a scale of 1 to 5 star with 5 star rated appliances being the most energy efficient ones. Currently the labeling program covers 38 equipment/appliances, out of which 16 are under mandatory regime and remaining are covered under voluntary regime. Buying the star labeled appliances ensures not only the minimum safety and energy performance standards but also saves on the operational cost. A dedicated star labeling portal www.beestarlabel.com provides all necessary information to public on labeling program.

Role of BEE

BEE co-ordinates with designated consumers, designated agencies and other organizations and recognize, identify and utilize the existing resources and infrastructure, in performing the functions assigned to it under the Energy Conservation Act. The Energy Conservation Act provides for regulatory and promotional functions.

The Mission

The mission of the Bureau of Energy Efficiency is to develop policy and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act, 2001 with the primary objective of reducing energy intensity of the Indian economy. This will be achieved with active participation of all stake holders, resulting in accelerated and sustained adoption of energy efficiency in all sectors of the economy.

Objectives of BEE

- To provide policy framework and direction to national energy conservation activities.
- To coordinate policies and programs with stakeholders on efficient use of energy.
- To establishment systems and procedures to measure monitor and verify energy efficiency improvements in individual
- Sectors as well as at the National level.
- To leverage multi-lateral, bi-lateral and private sector support in implementation of programs and projects on efficient
- Use of energy and its conservation.
- To coordinate policies and programs on efficient use of energy and its conservation with the involvement
- Of stakeholders.
- To plan, manage and implement energy conservation programs as envisaged in the Energy Conservation Act.
- To demonstrate energy efficiency delivery mechanism as, envisaged in the Energy Conservation Act, through
- Private-public partnership.

The Major Promotional Functions of BEE include:

- Create awareness and disseminate information on energy efficiency and conservation
- Arrange and organize training of personnel and specialists in the techniques for efficient use of energy and its conservation
- Strengthen consultancy services in the field of energy conservation
- Promote research and development
- Develop testing and certification procedures and promote testing facilities
- Formulate and facilitate implementation of pilot projects and demonstration projects
- Promote use of energy efficient processes, equipment, devices and systems
- Take steps to encourage preferential treatment for use of energy efficient equipment or appliances
- Promote innovative financing of energy efficiency projects
- Give financial assistance to institutions for promoting efficient use of energy and its conservation
- Prepare educational curriculum on efficient use of energy and its conservation
- Implement international co-operation programmes relating to efficient use of energy and its conservation

BUREAU OF INDIAN STANDARDS

BIS Headquarter, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

Overview:

BIS is the National Standard Body of India established under the BIS Act 2016 for the harmonious development of the activities of standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto.BIS has been providing traceability and tangibility benefits to the national economy in a number of ways – providing safe reliable quality goods; minimizing health hazards to consumers; promoting exports and imports substitute; control over proliferation of varieties etc. through standardization, certification and testing.

Keeping in view, the interest of consumers as well as the industry, BIS is involved in various activities as given below:

- Standards Formulation
- Product Certification Scheme
- Compulsory Registration Scheme
- Foreign Manufacturers Certification Scheme
- Hall Marking Scheme
- Laboratory Services
- Laboratory Recognition Scheme
- Sale of Indian Standards
- Consumer Affairs Activities
- Promotional Activities
- Training Services, National & International level
- Information Services

BIS has its Headquarters at New Delhi and its 05 Regional Offices (ROs) are at Kolkata (Eastern), Chennai (Southern), Mumbai (Western), Chandigarh (Northern) and Delhi (Central). Under the Regional Offices are the Branch Offices (BOs) located at Ahmedabad, Bangalore, Bhubaneswar, BhopaSl, Coimbatore, Dehradun, Faridabad, Ghaziabad, Guwahati, Hyderabad, Jaipur, Kochi, Lucknow, Nagpur, Parwanoo, Patna, Pune, Rajkot, Raipur, Durgapur, Jamshedpur and Vishakhapatnam, which offer certification services to the industry and serve as effective link between State Governments, industries, technical institutions, consumer organization etc. of the respective region.

For more information, please visit to www.bis.gov.in

ENERGY EFFICIENCY SERVICES LIMITED
A JV of PSUs under the Ministry of Power

Transforming for a Sustainable Future

About Us

Energy Efficiency Services Limited (EESL) is a Super Energy Service Company (ESCO), which enables consumers, industries and governments to effectively manage their energy needs through energy efficient technologies. EESL is implementing the world's largest energy efficiency portfolio across sectors like lighting, buildings, electric mobility, smart metering, agriculture, tri- generation, renewable energy, carbon finance etc. at a scale which no organization has been able to achieve. EESL's energy efficiency solutions have saved India over 57 billion kWh energy annually while reducing 45.5 million tonnes of carbon emission.

Founded in 2009, EESL is promoted by Ministry of Power, Government of India as a Joint Venture of four reputed public- sector undertakings NTPC Limited, Power Finance Corporation Limited, REC Limited and POWERGRID Corporation of India Limited.

EESL focuses on solution-driven innovations with no subsidy. It is able to do so using its Pay-As-You-Save (PAYS) model, which obviates the need for any upfront capital investment by the consumer/Stakeholder.

Our energy efficiency initiatives have helped India save

- **57 billion kWh** energy per year
- Avoided peak energy demand of **11,200 MW** per year
- Reduction in GHG emission by **45.5 million** tCO_2 per year

Powering our vision with initiatives that make sustainable energy accessible

- Unnat Jyoti by Affordable LEDs for ALL (UJALA)
- Smart Meter National Programme (SMNP)
- Super Efficient Air-Conditioning Programme
- Atal Jyoti Yojna (AJAY)
- Street Lighting National Programme (SLNP)
- Small Solar Power Plant Programme
- Building Energy Efficiency Programme (BEEP)
- International Operations
- EV Charging Infrastructure
- Trigeneration
- Agriculture Demand Side Management (AgDSM) Programme
- GEF-5 & GEF-6

For more information, please contact us:

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7 - Lodhi Road, New Delhi – 110003, India

/EESLIndia @EESL_India Energy Efficiency Services Limited /Company/indiaeesl

ELECTRONICS SECTOR SKILLS COUNCIL OF INDIA (ESSCI)

The Electronics Sector Skills Council of India (ESSCI), an organization setup to provide a skilled workforce for the ESDM (Electronics System Design & Manufacturing) Industry, ESSCI is a strong contributor to fulfil the skill needs of the vibrant ESDM sector in India. ESSCI works closely with the Industries, Academia, Ministry of Skill Development & Entrepreneurship, Ministry of Electronics and IT (MeitY), NCVET & National Skill Development Corporation (NSDC) to provide skilling, up skilling and re-skilling services to the stakeholders.

ESSCI is a not-for-profit organization headquartered in New Delhi. It was formed by the six major electronics industry associations representing the ESDM sector – ELCOMA, ELCINA, IESA, IPCA, CEAMA and MAIT in 2012.

ESSCI focuses on establishing an effective and efficient ecosystem for developing and imparting outcome-oriented skills for the ESDM Sector. ESSCI is responsible for standardization, accreditation and certification processes to enhance the employability of the Indian workforce globally. It is a recognised Awarding Body of National Council for Vocational Education and Training (NCVET). ESSCI envisions to enable a world class electronics manufacturing industry with an ecosystem for skill development and enhance employability of the large number of Indian youths.

To cover the complete electronics & hardware sector ESSCI focusses its offerings in the nine sub sectors for work force development:

- Consumer Electronics & IT Hardware
- Communication & Broadcasting
- E Mobility
- Electronics Manufacturing Systems
- Industrial Automation
- PCB Design & Manufacturing
- Security & Surveillance
- Semiconductors & Components
- Solar & LED

The council has developed over 100+ qualifications (Job Roles) across the nine subsectors and has developed a large capacity to undertake skill trainings across the country in collaboration with the Academia and Industry Partners. ESSCI currently has over 4500 training centres across the country, that are well equipped to undertake skill development courses in all segments of ESDM. ESSCI has over 3500 Industry partners and it supports them for placements. ESSCI works closely for the National Apprenticeship Programme Scheme (NAPS) where it has enabled more than 1,50,000 apprentices in various ESDM industries.

The Qualifications developed by ESSCI are spread across the 09 sub-sector spectrum and across the product life cycle and currently has the following Qualifications related to the Solar and LED Segment

Qualifications	Qualification Code	NSQF Level
LED Light Repair Technician	ELE/Q9302	4
LED Luminary Mechanical Assembly & Testing Technician	ELE/Q5803	4
Solar LED Technician	ELE/Q5903	4
Solar Panel Installation Technician	ELE/Q5901	4

The Electronics Sector Skills Council of India is moving ahead with an ambitious program to meet the demand for skilled manpower of the ESDM sector across the globe and to make India as the skill capital for the world.

For further Information please contact:
Electronics Sector Skills Council of India (ESSCI)
155, 2nd Floor, ESC House, Okhla Industrial Area-Phase III, New Delhi- 110020
E-Mail: ceo@essc-india.org

MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY:

The Ministry of Electronics and Information Technology (MEITy) is an executive agency of the Union Government of the Republic of India. It was carved out of the Ministry of Communications and Information Technology on 19 July 2016 as a standalone ministerial agency responsible for IT policy, strategy and development of the electronics industry

Functions of Ministry of Electronics and Information Technology:

1. Policy matters relating to information technology; Electronics; and Internet (all matters other than licensing of Internet Service Provider).
2. Promotion of internet, IT and IT enabled services.
3. 2A. Promotion of Digital Transactions excluding Digital Payments.[2]
4. Assistance to other departments in the promotion of E-Governance, E- Commerce, E- Medicine, E- Infrastructure, etc.
5. Promotion of Information Technology education and Information Technology-based education.
6. Matters relating to Cyber Laws, administration of the Information Technology Act. 2000 (21 of 2000) and other IT related laws.
7. 5A. Matters relating to online gaming.[3]
8. Matters relating to promotion and manufacturing of Semiconductor Devices in the country.[4]
9. Interaction in IT related matters with international agencies and bodies e. g. Internet for Business Limited (IFB), Institute for Education in Information Society (IBI) and International Code Council — on line (ICC).
10. Initiative on bridging the Digital Divide: Matters relating to Digital India Corporation.[5]
11. Promotion of Standardization, Testing and Quality in IT and standardization of procedure for IT application and Tasks.
12. Electronics Export and Computer Software Promotion Council (ESC).
13. National Informatics Centre (NIC).
14. Initiatives for development of Hardware/Software industry including knowledge—based enterprises, measures for promoting IT exports and competitiveness of the industry.
15. All matters relating to personnel under the control of the Ministry.[6]
16. Unique Identification Authority of India (UIDAI).[7]
17. Semi-Conductor Laboratory, Mohali.[8]

Vision.

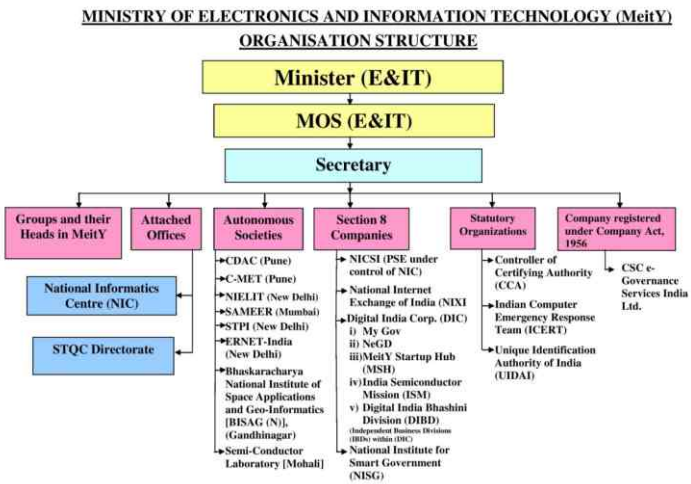
e-Development of India as the engine for transition into a developed nation and an empowered society.

Mission:

To promote e-Governance for empowering citizens, promoting the inclusive and sustainable growth of the Electronics, IT & ITeS industries, enhancing India's role in Internet Governance, adopting a multipronged approach that includes development of human resources, promoting R&D and innovation, enhancing efficiency through digital services and ensuring a secure cyber space.

Objectives

- e-Government: Providing e-infrastructure for delivery of e-services
- e-Industry: Promotion of electronics hardware manufacturing and IT-ITeS industry
- e-Innovation / R&D: Implementation of R&D Framework - Enabling creation of Innovation/ R&D Infrastructure in emerging areas of ICT&E/Establishment of mechanism for R&D translation
- e-Learning: Providing support for development of e-Skills and Knowledge network
- e-Security: Securing India's cyber space
- e-Inclusion: Promoting the use of ICT for more inclusive growth
- Internet Governance: Enhancing India's role in Global Platforms of Internet Governance.



CENTRAL POLLUTION CONTROL BOARD (CPCB)

The **Central Pollution Control Board (CPCB),** statutory organisation, was constituted in September, 1974 under the Water (Prevention and Control of Pollution) Act, 1974. Further, CPCB was entrusted with the powers and functions under the Air (Prevention and Control of Pollution) Act, 1981.

It serves as a field formation and also provides technical services to the Ministry of Environment and Forests of the provisions of the Environment (Protection) Act, 1986. Principal Functions of the CPCB, as spelt out in the Water (Prevention and Control of Pollution) Act, 1974, and the Air (Prevention and Control of Pollution) Act, 1981, (i) to promote cleanliness of streams and wells in different areas of the States by prevention, control and abatement of water pollution, and (ii) to improve the quality of air and to prevent, control or abate air pollution in the country.

Air Quality Monitoring is an important part of the air quality management. The National Air Monitoring Programme (NAMP) has been established with objectives to determine the present air quality status and trends and to control and regulate pollution from industries and other source to meet the air quality standards. It also provides background air quality data needed for industrial siting and towns planning.

Besides this, CPCB has an automatic monitoring station at ITO Intersection in New Delhi. At this station Respirable Suspended Particulate Matter (RSPM), Carbon Monoxide (CO), Ozone (O3), Sulphur Dioxide (SO2), Nitrogen Dioxide (NO2) and Suspended Particulate Matter (SPM) are being monitored regularly. This information on Air Quality at ITO is updated every week.

Water Quality Monitoring is an important part of the Water quality management. Fresh water is a finite resource essential for use in agriculture, industry, propagation of wildlife & fisheries and for human existence. India is a riverine country. It has 14 major rivers, 44 medium rivers and 55 minor rivers besides numerous lakes, ponds and wells which are used as primary source of drinking water even without treatment. Most of the rivers being fed by monsoon rains, which is limited to only three months of the year, run dry throughout the rest of the year often carrying wastewater discharges from industries or cities/towns endangering the quality of our scarce water resources. The parliament of India in its wisdom enacted the Water (Prevention and Control of Pollution) Act, 1974 with a view to maintaining and restoring wholesomeness of our water bodies. One of the mandates of CPCB is to collect, collate and disseminate technical and statistical data relating to water pollution. Hence, Water Quality Monitoring (WQM) and Surveillance are of utmost importance.

Functions of the Central Board at the National Level:

- Advise the Central Government on any matter concerning prevention and control of water and air pollution and improvement of the quality of air.
- Plan and cause to be executed a nation-wide programm for the prevention, control or abatement of water and air pollution;
- Co-ordinate the activities of the State Board and resolve disputes among them;
- Provide technical assistance and guidance to the State Boards, carry out and sponsor investigation and research relating to problems of water and air pollution, and for their prevention, control or abatement;
- Plan and organise training of persons engaged in programme on the prevention, control or abatement of water and air pollution;
- Organise through mass media, a comprehensive mass awareness programme on the prevention, control or abatement of water and air pollution;
- Collect, compile and publish technical and statistical data relating to water and air pollution and the measures devised for their effective prevention, control or abatement;
- Prepare manuals, codes and guidelines relating to treatment and disposal of sewage and trade effluents as well as for stack gas cleaning devices, stacks and ducts;
- Disseminate information in respect of matters relating to water and air pollution and their prevention and control;
- Lay down, modify or annul, in consultation with the State Governments concerned, the standards for stream or well, and lay down standards for the quality of air; and
- Perform such other function as may be prescribed by the Government of India.

LEDVANCE PVT. LTD

Unit #303, 3rd Floor, Servspaces 03, Plot No. D-5-6,
Sector - 3, Noida, Uttar Pradesh, 201301, Tel: +91-120-4035900
E-mail: customercare@ledvance.com

COMPANY PROFILE:

WITH SUBSIDIARIES IN MORE THAN 50 COUNTRIES AND BUSINESSES ACTIVITIES IN MORE THAN 140 COUNTRIES, LEDVANCE IS ONE OF THE WORLD'S LEADING COMPANIES IN THE FIELD OF GENERAL LIGHTING FOR PROFESSIONAL CUSTOMERS AND END USERS. EMERGING FROM OSRAM'S GENERAL LIGHTING DIVISION, LEDVANCE'S PORTFOLIO INCLUDES A WIDE RANGE OF LED LUMINAIRES FOR A VARIETY OF APPLICATIONS, INTELLIGENT LIGHTING PRODUCTS FOR SMART HOMES AND SMART BHUILDINGS, ONE OF THE MOST COMPREHENSIVE OFFERINGS OF ADVANCED LED LAMPS IN THE LIGHTING INDUSTRY, AND TRADITIONAL LAMPS.

ESTABLISHED:

Business Domain	Lighting
Product Brand	LEDVANCE Luminaires & EC, OSRAM Lamps
Manufacturing Facilities	Third party
Products Manufactured	Lighting & Lighting Accessories
Other Products Traded	-
Details of Exports (Products/countries/value etc.)	-
Annual Lighting Turnover (Approx)	
No. of employees	100+
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Sanjeev Jain, Sr. VP Sales & Marketing, S.JAIN2@ledvance.com
	b. Vishal Bhardwaj, AGM R&D and Quality, Vishal.Bhardwaj@ledvance.com
	c. -
	d. Sanjeev Jain, Sr. VP Sales & Marketing, S.JAIN2@ledvance.com
Regional Offices – Contact person / address	**North and East:** Vinay Bharti, LEDVANCE Pvt Ltd., Unit #303, 3rd floor, Servspaces 03, Plot No. D-5-6, Sector - 3, Noida, Uttar Pradesh, 201301, Tel: 0120-4035900 **West:** Ashish Agarwal, LEDVANCE Pvt Ltd., B-2056, Oberoi Garden premises co-op. soc. Ltd, Chandivali farm road, Chandivali, Andheri east, Mumbai, 400072, India Tel: 022-62384800 **South:** Sumit Kumar, LEDVANCE Pvt Ltd., Ground floor, 204, 27th cross, 7th block, Jayanagar, Bangalore, 560070, India Tel: 080-48908652
Any other information	LEDVANCE is licensee of product trademark OSRAM for lamp products in general lighting.
E-mail	customercare@ledvance.com
Website:	www.ledvance.com

BAJAJ ELECTRICALS LTD.

Bajaj Electricals, One Unity Center, 27th Floor,
Senapati Bapat Marg, Prabhadevi (W), Mumbai- 400013
TEL: 24064400, E-mail: illumination@bajajelectricals.com

COMPANY PROFILE:

Bajaj Electricals is a pioneer in the Indian Consumer Products and Lighting Solutions industries, with a strong focus on consumer-centricity, product innovation, and brand reinvention. The Lighting Solutions business of Bajaj Electricals stands as a prime example of innovation and reliability in the illumination sector. Through strategic restructuring, the Company has unified its efforts to deliver advanced lighting solutions for both consumers and commercial clients. This division embodies a steadfast commitment to quality, sustainability, and technological advancement.

Consumer Lighting: Bajaj's Consumer Lighting business is dedicated to meeting the needs of residential and personal spaces, offering a product portfolio that seamlessly combines aesthetics with reliability. Consumers enjoy a wealth of choices, selecting from a diverse range of options to illuminate their homes with high-performance, durable lighting solutions. Whether it's energy-efficient LED bulbs, elegant decorative fixtures, or cutting-edge smart lighting systems, Bajaj empowers consumers to curate spaces that reflect their unique preferences and lifestyles.

Professional Lighting: Bajaj Lighting also excels in the realm of professional lighting, presenting a comprehensive range of high-performance LED luminaires, innovative lighting controls, and specialised fixtures. Designed to meet the stringent requirements of professional environments, Bajaj Electricals' solutions provide optimal illumination across commercial spaces, industrial facilities, and outdoor areas. With a reputation built on trust and reliability, Bajaj Electricals is the preferred choice for clients across various sectors. Their products consistently deliver on quality, efficiency, and dependability, lighting spaces with brilliance and precision. Explore the world of professional lighting excellence with Bajaj Electricals, where each light source illuminates a path of innovation and reliability.

Business Domain	Lighting Solutions (Consumer & Professional), Consumer Products (Appliances, Fans)
Product Brand	BAJAJ, Nex, Morphy Richards, Nirlep
Manufacturing Facilities	Chakan, Nasik and Aurangabad
Products Manufactured	Lighting Solutions, Fans, Domestic and Kitchen Appliances
Other Products Traded	Highmast, Poles, Gantry, BMS
Details of Exports (Products/countries/value etc.)	Lighting Solutions, Fans & Appliances – African countries (Nigeria, Ghana, Gambia, Kenya, etc.), Gulf Countries (UAE, Oman, etc.) & South Asian Countries
Annual Lighting Turnover (Approx)	Gross: Rs. 1100 + Crs. Net: Rs. 1037 Cr.
No. of employees	300 +
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation & E-mail ID)**	a. Mr. Rajesh Naik, Chief Operating Officer – Lighting Solutions Business, rajesh.naik@bajajelectricals.com Mr. Hrishikesh Ta, Vertical Head-Lighting Engineering Design hrishikesh.ta@bajajelectricals.com
	b. Ponkumaresh Muthaiah, Head – Lighting Design & Application ponkumaresh.muthaiah@bajajelectricals.com
	c. Mr.Vishal Anand, Head Exports, vishal.anand@bajajelectricals.com
	d. Mr. Manish Thakur, Head – Revenue–Sales, Professional Lighting manish.thakur@bajajelectricals.com Mr. Prashant Thorat, Head – Marketing & Tendering – ProfessionalLighting, prashant.thorat@bajajelectricals.com Mr. Adarsh Singhal, Head of Revenue, Consumer Lighting adarsh.singhal@bajajelectricals.com Mr. Kiran T K, Head of Marketing, Consumer Lighting, kiran.tk@bajajelectricals.com
Regional Offices – Contact person / address	**HO:** 27th floor, one unity center, tower 4, senapati bapat marg, prabhadevi (west), mumbai – 400013 **North:** Bajaj Electricals Limited, Ashoka Estate Building, B Wing, 10th Floor, Barakhamba Road, Connaught Place, New Delhi 110001 **East:** Bajaj Electricals Ltd. DN18, 13 Floor, Saltee Tech Park, Near College More, Sector V, Salt Lake, Kolkata - 700 091 **West:** Bajaj Electricals Limited 45/47, LIC bldg Veer Nariman Road, Fort, Mumbai – 400001 **South:** Bajaj Electricals Limited., 4th Floor, Prestige Terraces, 5/1 Union Street, Bengaluru, Karnataka 560001.
E-mail	illumination@bajajelectricals.com
Website:	www.bajajelectricals.com

SIGNIFY INNOVATIONS INDIA LIMITED

Signify Innovations India Limited, PS ARCADIA CENTRAL, 3A, 3rd floor, 4A,
Abanindranath Thakur Sarani (Camac Street), Kolkata – 700 017, India
+91 7303084237, +91-730308423, E-mail: support.philipslightingindia@signify.com

COMPANY PROFILE:

Signify (Euronext: LIGHT) is the world leader in lighting for professionals, consumers, and the Internet of Things. Our Philips products, Interact systems and data-enabled services, deliver business value and transform life in homes, buildings and public spaces. In 2023, we had sales of EUR 6.7 billion, approximately 32,000 employees and a presence in over 70 countries. We unlock the extraordinary potential of light for brighter lives and a better world. We have been in the Dow Jones Sustainability World Index since our IPO for seven consecutive years and have achieved the EcoVadis Platinum rating for four consecutive years, placing Signify in the top one percent of companies assessed. News from Signify can be found in the Newsroom, on X, LinkedIn and Instagram. Information for investors is located on the Investor Relations page.

ESTABLISHED: 1891- Eindhoven, Netherlands | 2018- Changing name from Philips Lighting N.V. to Signify N.V.

Business Domain	Lighting, Fans, Switches & Switch Gear
Product Brand	Philips, Interact, Philips Dynalite, Color Kinetics, Modular Lighting Instruments, UHP, Varilite and EcoLink
Manufacturing Facilities	Vadodara factory, R&D centers in Bangalore and Noida
Products Manufactured	LED Lamps, LED Luminaires, Solar LED Lighting Systems, Lighting Controls, Connected Lighting Products, Horticulture Lighting Products, Conventional Lamps & Luminaires, Electrical Switches & Switch Gears, Fans
Details of Exports (Products/countries/value etc.)	Sales presence across 50 countries around the globe
Annual Lighting Turnover (Approx)	Approx. 3,069 cr. (For Signify Innovations India Limited)
No. of employees	32,000 employees globally, approx. 2500 + in India
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	Signify Innovations India Limited 9th Floor, DLF – 9B, DLF Cyber City, DLF Phase – 3, Gurugram 122002
Regional Offices – Contact person / address	**Northern Region:** Signify Innovations India Limited, 9th Floor, DLF – 9B, DLF Cyber City, DLF Phase – 3, Gurugram 122002 **Eastern Region:** Signify Innovations India Limited, PS ARCADIA CENTRAL, 3A, 3rd floor, 4A, Abanindranath Thakur Sarani (Camac Street), Kolkata – 700 017, India **Western Region:** Signify Innovations India Limited, Boomerang, B2 Wing, 5th Floor, Unit No. 506,Chandivali Farm Road, Near Chandivali Studio, Andheri (East) Mumbai-400 072. **Southern Region:** Signify Innovations India Ltd, Sunny Side, 3rd Floor, Block C, Shafee Mohammed Rd, Off Greams Road, Chennai, Tamil Nadu 600008, India **Factory**: Signify Innovations India Limited Kural Village, Padra-Jambusar Road Taluka Padra, Vadodara - 391403 Gujarat **Other Centers & Offices:** **Bangalore:** Signify Innovations India Limited Signify Innovations Lab - 5th Floor, Green Heart Building MFAR Phase IV, Manyata Tech Park Nagavara, Bangalore – 560045 **Bangalore:**Signify Innovations India Limited 17th floor Block 3—Tower B of Bhartiya, Centre of Information Technology (BCIT') Thanisandra main road Kannuru. Bangaluru, 560064. **Noida:** Signify Innovations India Limited, C-47, Sector-57, Noida- 201301, UP **Pune:** Signify Innovations India Limited Division – 'Cooper Lighting Solution' 'Quadra 1", 4th Floor, Survey No. 238/239, Hadapsar, Taluka Haveli, Pune – 411028
E-mail	support.philipslightingindia@signify.com
Website:	https://www.signify.com/en-in

HAVELLS INDIA LTD

Qrg Towers, 2D, Subarea, Sector-126, Noida, U.P., 201304
Tel: 0120 - 4771000, fax: 0120 - 4772000
E-mail ID:Marketing@havells.com

COMPANY PROFILE:

Havells India Limited is a leading Fast-Moving Electrical Goods (FMEG) Company and a major power distribution equipment manufacturer with a strong global footprint.

Havells enjoys enviable market dominance across a wide spectrum of products, including Industrial & Domestic Circuit Protection Devices, Cables & Wires, Motors, Fans, Modular Switches, Home Appliances, Electric Water Heaters, Luminaires for Domestic, Commercial and industrial Applications. With the acquisition of Lloyd since2017, Havells has made a foray into high potential consumer durables segments with offerings of air-conditioners, televisions and washing machines. The new synergy further complements the brand's 'Deeper into Homes' vision.

Additionally, Havells owns some of the most prestigious global brands like Crabtree and Standard Promptec. Its global network constitutes of 6700+ professionals across 44 branches. The company boasts of a strong manufacturing prowess with 15 state-of-the-art manufacturing plants in India located

in Haridwar, Baddi, Sahibabad, Faridabad, Alwar, Neemrana and Ghiloth.

Driven by innovation and consumer insights, Havells is preparing for the future with constant products expansion, deepening market reach & brand reinforcement. A strong distribution network continuously strives to set new benchmarks in prompt delivery and service to customers – powering their smiles like none other electrical brand in the country. Further to this, the company pioneered the concept of exclusive brand showroom in the electrical

industry with 'Havells Galaxy'. Today, 500+ Havells Galaxies across the country are helping customers, both domestic and commercial, to choose from a wide variety of products for different applications. Havells became the first FMEG Company to offer doorstep service via its initiative 'Havells Connect'.

Thanks to the quality of products and quicker service, it has minimum customer complaints and the highest customer satisfaction. Havells, over the years, has embarked on the journey of social change through inclusive growth dedicated to the cause of our future and future generations. Therefore, our CSR efforts revolve around five strong pillars of health & nutrition, sanitation, education, environment and skill development.

These pillars not only move together with the ones envisioned by the Government but are also a part of United Nations Sustainable Development Goals.

A humble beginning that started with serving just 1500 children across 5 schools grew to serving over 70,000 students across 693 schools daily in Alwar district. Havells initiated a sanitation drive in 2014 in government schools of Alwar district wherein the company built over 4000 eco-friendly bio-toilets in 400 government schools in

Alwar district. These eco-friendly bio-toilets use special bacteria developed by DRDO (Defence Research & Development Organisation) to convert human waste into biogas and water. The water can be used for gardening, cleaning or ground water recharge. Havells India Limited recently also became the first Indian Electrical Company to be included in the Dow Jones Sustainability Index Emerging Markets along with 12 other Indian companies to be included in the Index

ESTABLISHED: 1958 Commence trading in delhi | 1971 Bought Havells brand | 1993 listed on BSE & NSE

Business Domain	Electrical Goods | Consumer Durables
Product Brand	Havells, LLOYD, Havells Crabtree, Standard, REO and Havells Studio
Manufacturing Facilities	15 manufacturing units
Products Manufactured	Electrical Products, Consumer Durables, Wires, Cables, Switches, Switchgears, IoT, Solar, Lighting, Fans, Water Heater, Water Purifier, Personal Grooming
Details of Exports (Products/countries/value etc.)	Sales presence in more than 40 countries
Annual Lighting Turnover (Approx)	1,600 Cr.+
No. of employees	500+
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Vidyashankar Krishna (Vice President, Marketing) - Vidyashankar.Krishna@havells.com
	b. Mr. Pushpraj Giri (Sr. Vice President, CRI) - pushpraj.giri@havells.com
	c. Mr. Rahul Murgai (Sr. Vice President, IBD) - Rahul.Murgai@havells.com
	d. Mr. Sobat Aswal (Business Head, Consumer Lighting) – sobat.aswal@havells.com e. Mr. Partha Karmakar (Business Head, Professional Lighting) – partha.karmakar@havells.com
Regional Offices – Contact person / address	Offices in more than 48 locations in the country
E-mail	Marketing@Havells.com
Website:	www.havells.com

SURYA ROSHNI LIMITED

Padma Tower-1, 2nd Floor, Rajendra Place, New Delhi-110008
Tel.: 011-47108000 Fax: 01125789560
Email: suryaroshni@surya.in

COMPANY PROFILE:

Journey of Surya Roshni started in 1973 with manufacturing Steel Tubes and gradually Diversifying into the lighting category in 1984. Since then it has grown by leaps and bounds to become one of the largest Steel Pipes and Lighting Companies in India. It further ventured into PVC Pipes in 2010, Into consumer durables like Fans & Home Appliances in 2014-2015 and into Domestic Monoblock Water Pumps in 2024.

ESTABLISHED: 1973

Business Domain	Lighting : LED Lamps, Luminaires, Downlighters & Battens, High Mast Lighting System, Poles, Lamp Components & Exports
Product Brand	SURYA
Manufacturing Facilities	Kashipur and Malanpur
Products Manufactured	LED Lamps, LED Luminaires, LED Downlighters, LED Battens, Electronic Ballasts, FTL, GLS, Metal Halide, HPSV, HPMV, Components for GLS, LED Products.
Other Products Traded	Luminaires, Poles, High Mast Lighting System, LED's and Electronic Lighting Controls
Details of Exports (Products/countries/value etc.)	45 Countries, including in Europe and America
Annual Lighting Turnover (Approx)	INR 1572 Crores (FY 2023-2024)
No. of employees	3520
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Vrajender Sen, President, Prof Lighting(v.sen@surya.in)
	b1. Tapan Kumar, Senior Vice President (tapan@surya.in) b2. Amit Tyagi, Vice President, R&D (amit.tyagi@surya.in) b3. Kapil Tyagi, General Manager, R&D (kapil.tyagi@surya.in)
	c. Sunil HR, Chief Manager, Export (sunil@surya.in)
	d. Vasumitra Pandey, COO, Lighting & Consumer Durable (vasumitra@surya.in)
Head Offices – Contact person / address	Head Office: Padma Tower-1, 2nd Floor, Rajendra Place, New Delhi – 110008. Tel : 011-47108000/25810093-96, Fax- 011-25789560 Mr. Vasumitra Pandey, COO, Lighting & Durables (vasumitra@surya.in)
E-mail	vasumitra@surya.in, tapan@surya.in, amit.tyagi@surya.in
Website:	www.surya.co.in

EVEREADY INDUSTRIES INDIA LTD.

2, Rainey Park, Kolkata-700019
Tel: 033-24864961/30587822
E-mail: Prashant.shukla@eveready.co.in

COMPANY PROFILE:

With a history exceeding 100 years, Eveready has been a household name in india for reliable dry cell batteries and lighting solutions. we hold a dominant market share with commitment to quality and innovation, constantly developing new products. eveready holds iso (9000 & 14000, 500000) and osha (18000) certifiactions, maintaining industry leadership.

ESTABLISHED: 20th JUne 1934 (Date of incorporation)

Business Domain	Lighting
Product Brand	Eveready Lighting
Manufacturing Facilities	Multiple
Products Manufactured	LED Lighting and Electrical Accessories
Other Products Traded	Batteries and Flashlights
Details of Exports (Products/countries/value etc.)	Nepal
Annual Lighting Turnover (Approx)	400 crores
No. of employees	1194 staff + 782 workmen (as on 31st March 2024)
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. Subrata Sen (Head- Professional Luminaire business) +919650009515
	b. Same as above
	c. Same as above
	d. Same as above
Regional Offices – Contact person / address	Prashant Shukla (DGM – Marketing) +919999044459
Any other information	-
E-mail	prashant.shukla@eveready.co.in
Website:	www.evereadyindia.com

CROMPTON GREAVES CONSUMER ELECTRICALS LIMITED

05GBD, Godrej Business District, Pirojshanagar, Vikhroli (West),
Mumbai, Maharashtra - 400079, Tel: 022 6167-8499
E-mail: consumer.support@crompton.co.in, Web: www.crompton.co.in

COMPANY PROFILE:

Crompton Lighting caters to a wide range of products in Home, Retail, Commercial, Industrial, Infrastructure and Smart Street Lighting Solutions.

ESTABLISHED:

Business Domain	We are one of the leading Consumer Companies in India with a 85+ years old brand legacy. As of Jan 2016, we are independent company under professional management and have business segments of Lighting, Kitchen appliances and Electrical Consumer Durables. We market our products under the "Crompton" brand name in India and Global Markets.
Product Brand	CROMPTON
Manufacturing Facilities	Baddi / Vadodara / Goa / Ahmednagar and Channai
Products Manufactured	All Lighting products, Fans, Pumps, Water Heater & Cooler, Kitchen appliances and Small domestic appliances.
Other Products Traded	Home Appliances and Durables
Annual Lighting Turnover (Approx)	Rs.998.17 Cr. (FY 23-24)
No. of employees	>1500
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Shaleen Nayak - Vice President
	b. Uma Lanka - AVP R&D
	c. Naveen Saxena - AVP Marketing
Regional Offices – **Contact person / address**	**Northern Region Office:** 3rd floor, Express, building, 9-10, Bahadur Shah Zafar Marg, near ITO, Crossing, New Delhi, Delhi 110002. **Western Region Office:** Business Square, A-wing, 302, 3rd Floor, Chakala, Andheri - Kurla Rd, opp. Apple Heritage, Andheri East, Mumbai, Maharashtra 400093 **Southern Region Office:** No.4, (new), Old No.5,Kanniah Street, T.Nagar, Chennai - 600017 **Eastern Region Office:** 52 Chowringhee Road, 5th floor, Shakespeare Sarani, Kolkata, West Bengal - 700071
E-mail	Naveen.saxena@crompton.co.in / uma.lanka@crompton.co.in
Website:	www.crompton.co.in

ORIENT ELECTRIC LIMITED

42 AIPL Building Okhla Phase-3 new Delhi 110022
Tel: 011-40507000
E-mail: Santosh.upadhyay@orientelectric.com

COMPANY PROFILE:

ESTABLISHED:

Business Domain	Electrical Lighting Products
Product Brand	ORIENT
Manufacturing Facilities	2 Manufacturing facility in Noida
Products Manufactured	LED Lamps, Panels, Battens, Street Lights, Flood Lights & Down Lighters
Other Products Traded	LED Strip light, COB Spot Light
Details of Exports (Products/countries/value etc.)	LED Lamps, Battens Street light (UAE, Nepal & Singapore)
Annual Lighting Turnover (Approx)	545.00 Cr
No. of employees	350 Nos
Directors and their contact details (phone, e-mail, location etc)	Mr.Ravinder Singh Negi ravindrasingh.negi@orientelectric.com
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Mr. Santosh Upadhyay (GM Product Management) b. Mr. Raajeev Duggal (AVP) c. Mr. Santosh Agnihotri (GM)
E-mail	Santosh.upadhyay@orientelectric.com

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Wipro House, No 8, 80 feet Road, Koramangala 1st Block,
Bangalore-560034, Karnataka, India, Tel: 080-61990100
E-mail: sanjay.gupta5@wipro.com

COMPANY PROFILE:

Wipro Enterprises Private Limited comprises of two main business units namely Wipro Consumer Care and Lighting and Wipro Infrastructure Engineering. Wipro Consumer Care & Lighting is a leading player in Personal Care, Home Care, Lighting and Modular Switches. Wipro Infrastructure Engineering is a diversified engineering business in the fields of Hydraulics, Aerospace, Water Treatment, Additive Manufacturing and Automation Solutions.

ESTABLISHED: 1945

Business Domain	Lighting, Switches, Personal Care and Home Care
Product Brand	Wipro Garnet (Lighting), North-West (Switches), Santoor, Yardley, Chandrika, Enchanteur (Personal care)
Manufacturing Facilities	Waluj (Maharashtra), Baddi (H.P), Haridwar (Uttaranchal), Hyderabad (Telangana), Tumkur (Karnataka)
Products Manufactured	Lighting, Switches and Personal care and Home care
No. of employees	12000+
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Anuj Dhir, Sr. Vice President. Anuj.dhir@wipro.com
	b. -
	c. -
	d. Mr. Sanjay Gupta, Sr. Vice President. Sanjay.gupta5@wipro.com
E-mail	sanjay.gupta5@wipro.com, anuj.dhir@wipro.com
Website:	www.wiproconsumerlighting.com, www.wiprolighting.com

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Garnet

Wipro Lighting is proud of being one of the most trusted brands in lighting industry. We have continuously focused on embracing the latest & finest technology to deliver highly efficient products for different lighting application areas & have always believed in offering our customers the best in class, latest design, environment friendly lighting products & solutions. Wipro lighting has introduced IOT based smart connected home lighting solutions that are easy to use and can be controlled through mobile app & Voice control assistant. Wipro Lighting has won several prestigious awards for product design, innovation & quality excellence like the Red dot design awards, Frost & Sullivan award for LED lighting visionary innovation leadership and many more.

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Visit us at: www.wiproconsumerlighting.com | www.wiprolighting.com | www.wiproconsumercare.com

HPL ELECTRIC & POWER LTD

Plot No. 76B, Phase - IV, Sector - 57, Kundli, Sonipat - 131028, Haryana
Tel: +91-130-350 3958, 350 3437
Email: gautamseth@hplindia.com, rishiseth@hplindia.com

COMPANY PROFILE:

HPL Electric & Power Limited is a multi-product electric equipment company in the electrical equipment industry. The Company has always believed in being technically abreast and keeping focus on the design and development of products. HPL has two R&D centers, with over 100+ engineers for designing & development modern products. The R&D Centers are approved by the Department of Scientific and industrial Research, Ministry of Science and Technology, Government of India. HPL's product range is divided into four verticals - Metering Solutions, Switchgears, LED Lighting and Wire & Cables.

ESTABLISHED:

Business Domain	Electric Equipment Manufacturing
Product Brand	HPL
Manufacturing Facilities	HPL has 7 Manufacturing facilities, located at Gurgaon, Kundli, Sonepat, Gharaunda in Haryana and Jabli Himachal Pradesh. Facilities are ISO 9001 certified and are well equipped with latest technology to manufacture products conforming to the Indian & International standards.
Products Manufactured	LED Lighting equipment's, Metering Solutions, Switchgear, Modular Switches, Solar Solutions, Fans, Wire & Cables
Details of Exports (Products/countries/value etc.)	Exports in more than 40+ countries. SAARC, Africa, Middle east, Gulf and Far East Countries.
No. of employees	1200+
Directors and their contact details (phone, e-mail, location etc)	1. Mr. Rishi Seth (MD) 2. Mr. Gautam Seth (JMD)
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Mr. Rishi Seth (MD b. Mr. Gautam Seth (JMD) C. Ananda Chatterjee (VP-Sales & Marketing) Mobile No.: +91-9910706904 E-mail: anandachatterjee@hplindia.com
Regional Offices – Contact person / address	**North:** Plot No. 76B, Phase - IV, Sector - 57, Kundli, Sonipat - 131028, Haryana **East:** 69, Ganesh Chandra Avenue, India House, 7th Floor, Block-C, Kolkata - 700 013 **West:** 2C/H, Rushabh Chambers 2nd Floor, Off-Makwana Road, Near Rubi Hotel Marol, Andheri East Mumbai - 400 059 **South:** "Amar Sindur" S-4, 2nd Floor, No.-43, Pantheon Road, Egmore, Chennai-600 008
E-mail	gautamseth@hplindia.com, rishiseth@hplindia.com

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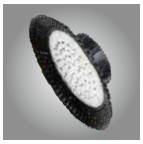
LED Lumino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Plot No. 3, Near Maruti Gate No 4, IMT Manesar, Sector 11,
Manesar, Gurugram, Haryana 122050
Tel: 0124-4746800, Email: gaurav.arora@jaquar.com

COMPANY PROFILE:

JAQUAR GROUP IS A RAPIDLY GROWING MULTI-DIVERSIFIED 'COMPLETE BATHROOM AND LIGHTING SOLUTIONS' BRAND. BUILT ON THE PLATFORM OF HIGHEST QUALITY STANDARDS, AESTHETICS AND WITH THE INTENT OF PROVIDING WORLD CLASS PRODUCTS, THE GROUP CATERS TO VARIOUS SEGMENTS OF BATHROOM AND LIGHTING INDUSTRY FOR THE LUXURY, PREMIUM AND VALUE SEGMENTS THROUGH ITS BRANDS – ARTIZE, JAQUAR AND ESSCO. AS UNDISPUTED MARKET LEADERS THE COMPANY HAS PRESENCE IN OVER 55 COUNTRIES ACROSS EUROPE, MIDDLE EAST, ASIA- PACIFIC AND AFRICA REGION, 7 STATE-OF-THE-ART MANUFACTURING UNITS IN INDIA AND 1 IN SOUTH KOREA.

ESTABLISHED:

Business Domain	Sanitaryware, Faucets, Lighting
Product Brand	Jaquar
Manufacturing Facilities	Manufacturing Plant in Bhiwadi, Rajasthan
Products Manufactured	Bulbs, Battens, Indoor Lights, Outdoor Lights, Decorative Lights, Architectural & Façade lights, Switches, Smart Lights, Lighting Automation
Details of Exports (Products/countries/value etc.)	Bulbs, Battens, Indoor Lights, Outdoor Lights, Decorative Lights, Architectural & Façade lights, Switches, Smart Lights, Lighting Automation Asia Pacific, Middle East, Africa
Annual Lighting Turnover (Approx)	~400 Cr
No. of employees	500
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation & E-mail ID)**	a. Mr. Ravi Dhulipala, Business Head – Lighting, ravi.dhulipala@jaquar.com
	b. Mr. Salil Kulshrestha Plant and R&D Head, salil.kulshrestha@jaquar.com
	c. Mr. Pankaj Kumar Bhatt Head – International Business, pankaj.bhatt@jaquar.com
	d. Mr. Divyankar Goel (Head - Consumer Channel), divyankar.goel@jaquar.com
	e. Mr. Vinay Gupta (AGM - Decorative Lights) vinayp.gupta@jaquar.com
	f. Mr. Sandeep Gupta (Product Manager - Switches) sandeep.kg@jaquar.com
	g. Mr. Mathura Raman Jha (AGM - Customer Care) elead.oprn@jaquar.com
Regional Offices – **Contact person / address**	**Central –** Syed Danish Sadat (danish@jaquar.com) **West –** Milind C Katyayan (milind.ck@jaquar.com) **East –** Amrendra Mohan Sinha (amrendra.sinha@jaquar.com) **South –** Jhaya Kumar (jhayakumar.g@jaquar.com)
E-mail	Ccare.lighting@jaquar.com, 18002126808
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Architectural & Facade Lighting: Gaurav Sudesh Arora (8767677700)
Consumer Lighting: Divyankar Goel (9891009968)
Chandeliers & Decorative Lighting: Vinay Gupta (7291994808)
Switches: Sandeep Gupta (9540047136)

Jaquar
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OSRAM LIGHTING PRIVATE LIMITED

Osram Lighting Private Limited Iffco Surinder Jakhar Bhavan,1st Floor, Plot No 3, Sector -32, Gurugram-122001, Haryana- India, Tel: 124-6261300

COMPANY PROFILE:

A global leader in innovative light and sensor solutions

At ams OSRAM, we pioneer differentiating light and sensor solutions. Looking back on more than 100 years of industry experience, we combine engineering excellence and global manufacturing capabilities with passion for cutting-edge innovation. Our commitment to pushing the boundaries of illumination, visualization, and sensing has earned us the trust of customers worldwide. Together, we create break-through applications that make our world safer, smarter, and more sustainable.

"Sense the power of light" – our success is based on our deep understanding of the potential of light. We harness its full spectrum – visible and invisible – to illuminate our surroundings as well as gather information from them. By adding intelligence to light, we enable our customers to drive transformative applications.

Our distinct portfolio of advanced light and sensor technologies sets us apart in our industry. It includes high-quality semiconductor-based light emitters, sensors, CMOS ICs and software as well as a range of traditional lighting technologies for automotive and special applications.

Our around 20,000 employees worldwide focus on innovation alongside the societal megatrends of digitalization, smart living, energy efficiency, and sustainability. Our light and sensor technologies are setting industry standards in the automotive, industrial, medical and consumer electronics markets. This is reflected in our global portfolio of some 14,000 patents and patent applications. Headquartered in Premstaetten/Graz (Austria) and Munich (Germany), the group achieved EUR 3.6 billion revenues in 2023.

Business Domain	Our distinct portfolio of advanced light and sensor technologies sets us apart in our industry. It includes high-quality semiconductor-based light emitters, sensors, CMOS ICs and software as well as a range of traditional lighting technologies for automotive and special applications.
Product Brand	OSRAM
Manufacturing Facilities	Premstaetten, Calamba City, Singapore, Exeter, Kulim, Penang, Regensburg, Wuxi, Berlin, Bruntal, Foshan, Herbrechtingen, Hillsboro, Kunshan, Nové Zamky, Schwabmuenchen & Warren
Products Traded	Automotive Lighting, ACE (Wipers, tyre inflators, dash cams, automotive projector), Opto Semiconductors, Stage- Studio Lights, Cinema projector lights, Medical Lights, Airport Lights and many more.
Annual Lighting Turnover (Approx)	EUR 3.6 billion revenues in 2023 (Global Revenue)
No. of employees	Around 20,000 employees worldwide
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	vikas.bhandari@ams-osram.com; kapildev.saikia@ams-osram.com
Regional Offices – Contact person / address	**MUMBAI:** WeWork Sag Baug Road, off Andheri-Kurla Road Marol, Andheri East, Mumbai, MH, 400059 **BENGALURU:** WeWork, 13th Floor, No. 78, Next to KR Puram Tin Factory, Old Madras Road, Mahadevapura Bengaluru 560016 **KOLKATA:** WORKZONE, 147, Hind Ceramic Compound, Near RD Motor, Neelganj Road, Agar Para, Belghoria, Kolkata, West Bengal, 700056
Website:	https://ams-osram.com/

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ATCO CONTROLS INDIA PVT LTD

38B, Nariman bhavan, nariman point, mumbai 400021
TEL: 022 66325528
E-mail: bhavin@tridonic.co.in

COMPANY PROFILE:

ESTABLISHED: 1996

1. Business Domain	Manufacturing & Trading
2. Product Brand	Tridonic
3. Manufacturing Facilities	Shahapur, Thane District
4. Products Manufactured	Ballast
5. No. of employees	36
6. Directors and their contact details (phone, e-mail, location etc)	1. Bhavin Soonderji bhavin@tridonic.co.in 2. Jyotsna Soonderji
7. Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Nilakshi Kadam Sales & Business Development 9321766055 b. Rakshit Rathi Sales & Business Development 9311466055
8. Regional Offices – Contact person / address	Head Office, Mumbai, 022 22025528
9. E-mail	bhavin@tridonic.co.in

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JW Marriott Hotel New Delhi Aerocity Unit No. 1A & 1C, First Floor
Commercial Tower, Aerocity, New Delhi, Delhi 110037, Tel: 9821795327/28/29/30
E-mail: corporateaerocity@fiemindustries.com

COMPANY PROFILE:

- Fiem Industries Ltd. (FIEM) was founded and incorporated in 1989 by Mr. J.K. Jain.
- The Company was listed on BSE and NSE in 2006.
- FIEM is one of the leading manufacturers of Automotive Lighting & Signalling Equipment's and Rear View Mirrors in India. FIEM is among first companies in India introducing LED lights in two wheelers.
- FIEM has diversified its product portfolio by entering into LED luminaires for Indoor and Outdoor applications and Integrated Passenger Information System for Railways & Buses.

ESTABLISHED: 1989

Business Domain	Manufacturing of Automotive Components, LED Luminaires and IPIS Systems
Product Brand	Fiem
Manufacturing Facilities	Total 9 Manufacturing facilities spread across India: Kundli & Rai (Haryana), Tapukara (Rajasthan), Nalagarh (Himachal Pradesh), Mysore (Karnataka), Hosur (Tamil Nadu) & Ahmedabad (Gujarat)
Products Manufactured	Automotive Lighting & Signalling Equipments, Rear View Mirrors, Plastic Moulded Parts, Sheet Metal Components, Canister, Bank Angle Sensors, LED Luminaires and IPIS
Details of Exports (Products/countries/value etc.)	Europe, Japan, USA, Nepal, Thailand, Italy, Srilanka, Austria, Indonesia, Germany etc.
Annual Lighting Turnover (Approx)	2000 Crore
No. of employees	2200
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Z.A. Khan b. khan@fiemindustries.com c. Executive President & Business Head d. 9654917786,7027771323
Regional Offices – Contact person / address	9654917786,7027771323
Any other information	With a history of 40 years, Company is leading Tier-1 Supplier to OEMs in India and abroad, and one the leaders in Automotive lighting in two-wheelers.
E-mail	khan@fiemindustries.com
Website:	www.fiemindustries.com

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Fiem Industries Limited

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Corporate Office: Unit 1A & 1C, 1st Floor, Aria Commercial Tower, JW Marriott Hotel, Aerocity, New Delhi - 110037
R&D/Design Centre: India (Delhi & Rai), Japan & Italy
Mfg Units: Haryana, Rajasthan, Himachal Pradesh, Tamil Nadu, Karnataka & Gujarat
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RK LIGHTING PVT. LTD

223, Adhyaru Industrial Estate, Sunmil Compound, Lower Parel, Mumbai-400013
TEL: +91 2267124461, E-mail: info@eklights.com

COMPANY PROFILE:

RK is a family owned and operated business with roots spanning over half century.

The story of RK began trough the entrepreneurial drive Ramnivas Khandelwal who established the environment necessary for the formation of the group. He passed on his business acumen to his son, SRK.

SRK Oversaw the expansion of the company from its modest operation to transform it into one of india's largest manufactures of Lighting fiting.

The family's third generation would soon follow in the footsteps of his father and grandfather. Amit Khandelwal joined the family business age 16 and started running the business under the excellent tutelage of SRK.

He led the disruption in the lighting market with advent of LED based lighting.

Through their relentless efforts the small family owned business was transformed once of the world's largest LED product manufacturers.

The group 15 manufacturing plants and has over $ 100 Million in revenue.

ESTABLISHED:

1. Business Domain	LED LIGHTING PRODUCTS
2. OEM's FOR	ORIENT ELECTRIC, HAVELLS, BAJAJ ELECTRICALS, PHILIPS, EVEREADY ECOLINK, GREATWHITE, GM, CROMPTON, RELIANCE(BPL), HPL, WIPRO GOLDMEDAL, SURYA, NIPPO, STURLITE, FYBROS, ETC.
3. Manufacturing Facilities	RK LIGHTING PVT. LTD. RADHIKA OPTO ELECTRONICS LTD. CROMPLUX ENGINEERS PVT. LTD. RK GLOBAL LLP
4. Products Manufactured	LED Batten, Smart LED Batten, LED Tube, Street Light LED Spot light, LED Bulb, Smart Bulb, Inverter Bulb LED Downlight, LED Luinaries panel, Strip Light, Inverter Batten LED Flood Light, LED Panel, Rope Light, Radar Batten Radar Bulb, 2x2 Panel, Inverter Panel, Liner Light
5. No. of employees	800 Staff
6. Directors and their contact details (phone, e-mail, location etc)	Mr. S.R Khandelwal (srk21148@gmail.com) Mr. Amit Khandelwal (amit@rkights.com)
8. Regional Offices–Contact person / address	Mumbai : 223, Adhyaru Indl. Estate, Sun Mill Compound Lower Parel, Munbai Maharastra 400013 Nodia : C-04, Sector- 63, Gautama Buddha Nagar Noida - 201301
9. Email	info@rklights.com

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Mumbai-400063, Maharashtra, India, Tel: +91-22-26865671 - 5
E-mail: sunil@pluslighttech.com

COMPANY PROFILE:

Focus Lighting IS a leading manufacturer of Technical & Architectural lighting products & Accessories under brand name of PLUS & TRIX , catering to segments of retail, infra , home & Hospitality.

ESTABLISHED: 1905

Business Domain	Manufacturer of Lighting Fixtures & Accessories
Product Brand	PLUS, TRIX, L&B
Manufacturing Facilities	AHMEDABAD
Products Manufactured	LIGHTING FIXTURES / DRIVERS
Details of Exports (Products/countries/value etc.)	Middle East & Europe
Annual Lighting Turnover (Approx)	237 Cr
No. of employees	>200
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Sunil Bakhshi sunil@pluslighttech.com
	b. Vinod Hinger vinodhinger@pluslighttech.comx`
	c. -
	d. -
Regional Offices – Contact person / address	-
E-mail	sunil@pluslighttech.com
Website:	www.pluslighttech.com, www.trix.co.in

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Thane (W), Thane - 400 607, Maharashtra, India
Tel: (9122) 4222 8888

COMPANY PROFILE:

ESTABLISHED:

Business Domain	Panasonic Electric Works, Panasonic Life Solutions India
Product Brand	Lighting Solutions
Manufacturing Facilities	We have 6 production facilities in India located in Daman and Diu, Gujarat, Uttarakhand, Andhra Pradesh .
Products Manufactured	Switches and accessories or Wiring devices, Solar Power, Housing Solutions, Wires Cables and Insulation Tapes, Switchgear, Fans, that cater to core sectors of the Indian infrastructure economy viz Residential, Commercial, and Industrial infrastructure.
No. of employees	Over 10,000 professionals
Directors and their contact details (phone, e-mail, location etc)	Mr. Yoshiyuki Kato, Managing Director, Panasonic Electric Works, Panasonic Life Solutions India
	Mr. Toshinobu Kawasaki, Joint Managing Director, Panasonic Electric Works, Panasonic Life Solutions India
Regional Offices – Contact person / address	3rd Floor, B Wing, iThink Techno Campus, 2, Garden Estate Pokhran Road, Hill Garden, Kokanipada, Thane West, Thane, Maharashtra 400607 **Contact person / address** – Rakesh Bhat, Mobile no: +91 8447027859
E-mail	rakesh.bhat@in.panasonic.com
Website:	Prashant.Tandon@in.panasonic.com

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SOLAR CONNECTED LIGHTING

The article highlights the benefits and advantages of a Connected Light Management System for Solar Product Installations

Public infrastructure in a city encompasses the basic services available, including roads, electricity, water, gas, sewer, police and fire departments, public transportation and more. The quality of a city's infrastructure is a significant determinant of its livability and suitability for work.

One aspect of civil infrastructure that is indispensable is road lighting. A locality with well-lit roads is perceived to be safer by both residents and passers-by than those where road lighting is inadequate. Well-lit parks, gardens, squares, and play areas add vibrancy, cheerfulness and liveliness to a locale, which can have a positive psychological effect on the observer. People prefer to settle in areas that they feel are safe and where they can move around freely day or night. These factors highlight the importance of lighting in people's day-to-day lives. Good infrastructure not only enhances the quality of life for residents but also encourages others to settle in the city, leading to increased investment in resources and generating more revenue for the government.

Solar Lighting Systems

Lack of access to electric grids is one of the key reasons, among other factors, why it is challenging to take advantage of the benefits of electric lights. However, some places are fortunate to receive ample solar energy. Thus, leveraging natural resources to obtain the necessary illumination is sought after to obtain the necessary illumination requirements. As a result, solar lighting systems are an extremely well-acceptable solution for a wide range of applications.

The application of solar lighting systems has brought joy to the faces of people in rural areas, while also being utilized for illumination in non-rural areas. This primarily helps to reduce the use of electrical energy and, in turn, carbon footprint. Solar lighting systems are being employed for various purposes such as highways, perimeter lighting, parks, gardens, cycle tracks, parking, industrial areas and camping areas along sea-river fronts.

The success story of solar systems is not new to India, as these systems have been employed in numerous places and for various applications over the years. A typical solar lighting system consists of four components: luminaire, PV panel, battery and a charge controller.

Objectives of Smart Lighting System

- Make all street safer for citizens
- Remotely Control, Monitor and Program your Street Lights
- Manage all your streetlighting assets in one platform
- Optimize your energy consumption
- Better plan your maintenance personnel
- Visualize data through one dashboard
- Kick start your Smart City ambition with Public Street Lighting Central Management System
- Integrate with other software to control lighting
- Secure application designed to the highest Cybersecurity standards of IEC62443 develop process

Connected Lighting

The intent of modern-day lighting systems is to be inclusive of all the aspects of Lighting and Wellness. The primary factor governing such systems are - Minimum Energy Consumption

Benefits of Signify Interact City System

Reduced lighting energy consumption	Up to 80%
Achieve sustainable operations targets	Up to 80% Reduction of CO, Emissions
Optimize operations	Improve efficiency by at least 50% with effective maintenance planning with in-depth knowledge of all asset information
Reduce down-time of luminaires	Less than 1% down-time with real-time fault detection and fast resolution responses
Reduce citizens' complaints	Track 100% of the issues and resolve them before complaints are reported
Improve traffic and pedestrian safety	Better lighting reduces up to 20% crime and 30% road accidents with injuries
Protect Data & against unauthorized usage	Signify is certified to IEC62443-4-1 Security Certification by Dekra

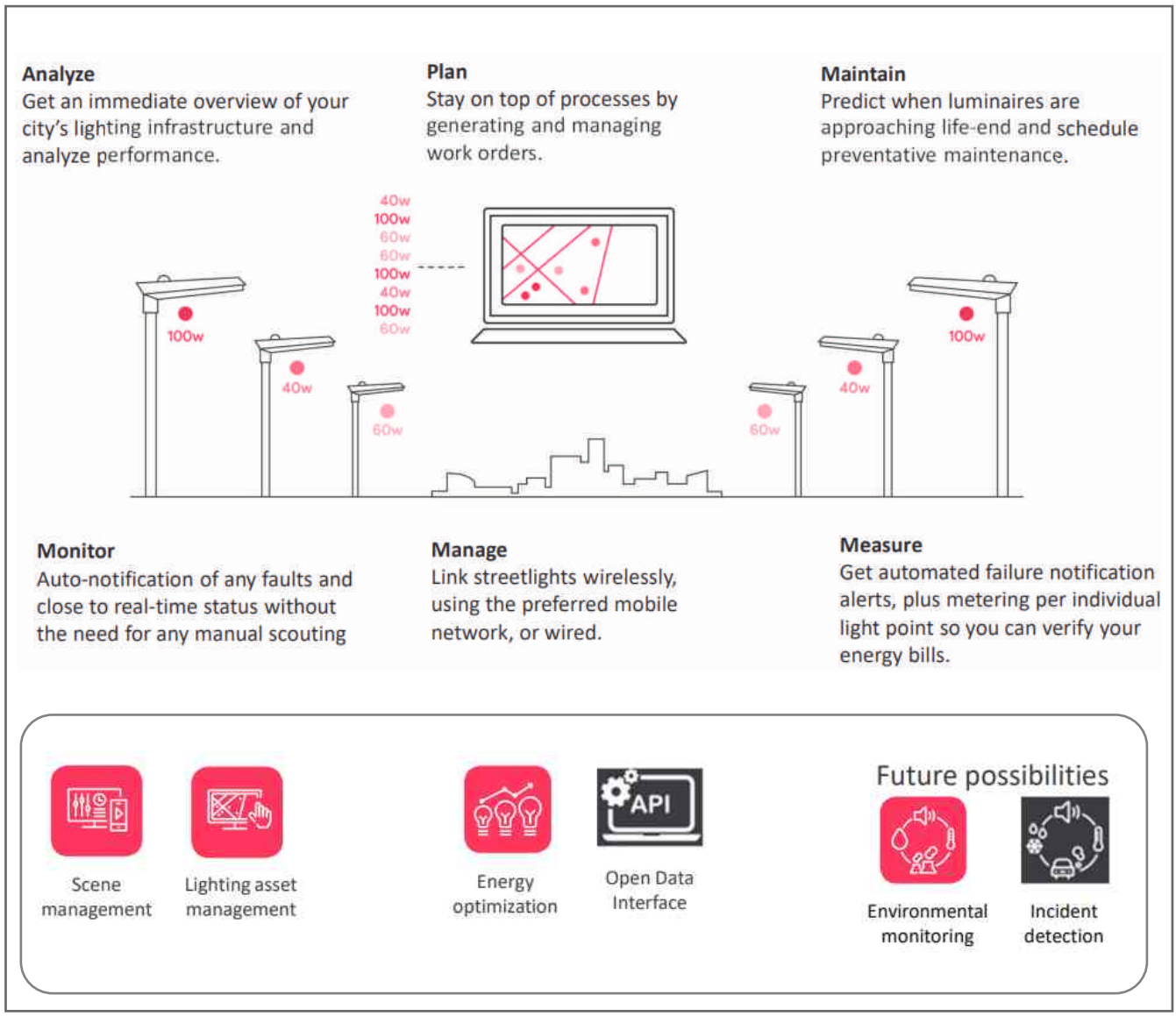
thus reducing the carbon footprint, promoting green initiatives, providing light for safety and security, improving productivity, ease of operations and movement, etc.

To achieve effective lighting management, such systems need to be designed to control the quantity and quality of light. While lighting control systems were commonly used in indoor applications, control systems are now being successfully deployed for outdoor lighting projects as well. Connected systems exercise complete control over functions such as scheduling and dimming, as well as supporting maintenance of the lighting equipment. As lighting equipment is an asset, it needs to be taken care of. The system should inform and analyze the health of this equipment and plan for timely maintenance to keep these assets in operational condition. Management of lighting assets and controlling light and energy should be one of the key design factors for smart lighting systems.

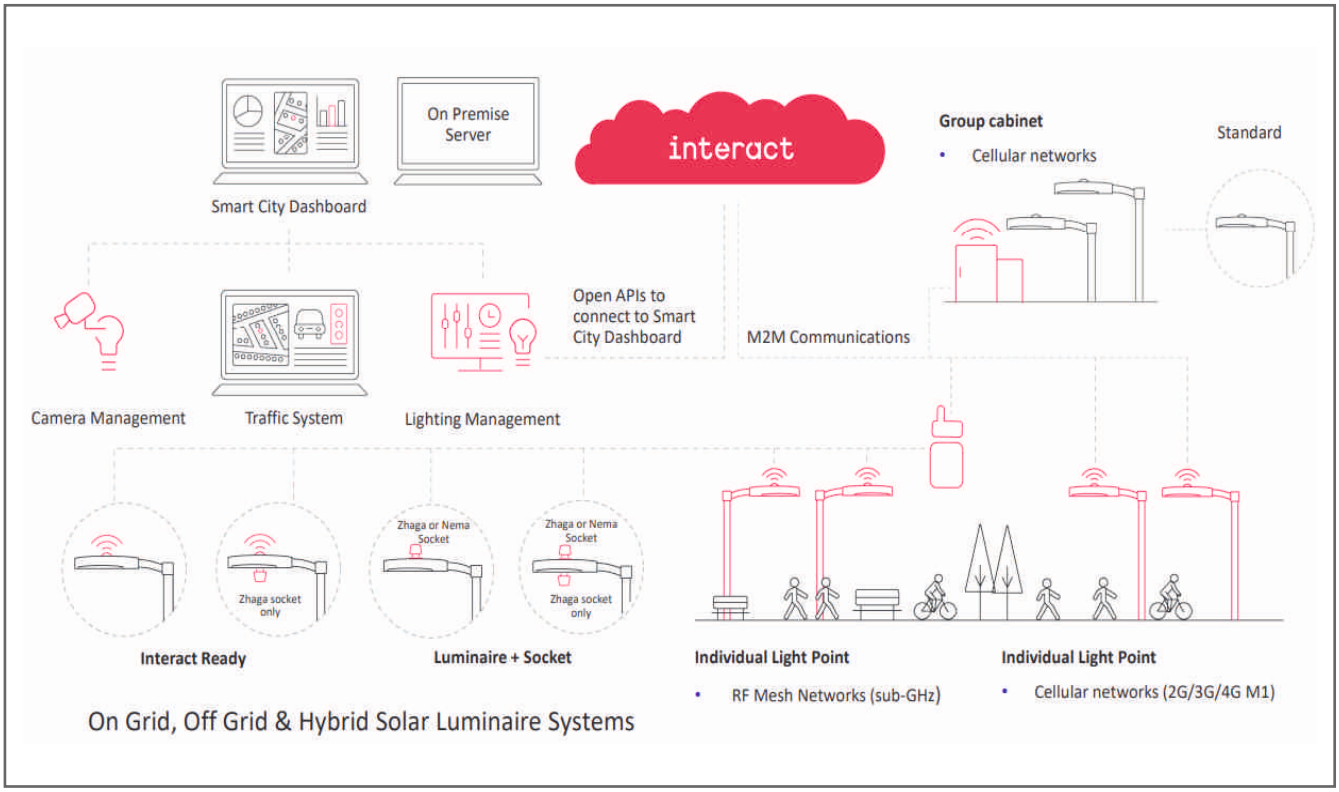
Smart Lighting

A Lighting asset management application enables professional management of lighting data and efficient operational workflows. All the asset data are maintained in a central database and dashboard over a map which allows for easy visualization and analysis. Based on this data, maintenance cycles can be planned, and work orders can be generated for field workers.

The application also enables you to predict when luminaires are approaching the end of their life, making preventative maintenance more cost-effective.



Integrating Solar lighting with Intelligent Connected Systems would create higher value and benefit multiple stakeholders. Smart Connected Systems allow for centralized and remote management of Connected Solar lighting systems.



The primary requirements of any system are that it should be Simple, Open, and Secure. The system infrastructure should be simple, providing a seamless end-to-end solution without any complexity. Installation should be a plug-and-play type of solution that does not require any special expertise. The system should be easy to use and operable for non-IT experts in their daily work life. It should also be open and easily integrated with other major systems, using standardized network technologies. Lighting data should be secure from any leaks, and the solution should be scalable and adaptable to future requirements.

Solar lighting systems can either be off-grid or hybrid. By establishing a connected lighting system, Solar luminaires of all types – standalone non-integrated, all in one or hybrid – can become even more intelligent. Application of IoT system in conjunction with additional hardware results in Connected Solar system. Light Controllers are employed, and communication is established in order to send – receive command which would in turn control the output of the luminaires.

Controllers

Suitable controllers for outdoor applications provide necessary data and control without any interruptions. The data is transmitted to the segment controller via cellular 2G/3G/4G networks or radio frequency. These system and controllers are capable of detecting failures, operating in standalone mode when the LMS communication fails, switching the power on, off and dimming, GPS location capability, and last gasp capability for power out failure notification. On average, the controllers consume 0.5W of power.

Each controller has a unique ID for asset management and identification. These controllers come equipped with GPS capability for automatic location reporting. They operate and switch the light point based on the configured calendar and dimming schedules, regardless of whether they are connected to the asset management system or not.

Asset Management System

The management of public lighting is currently undergoing a dynamic transition to ensure that a) light is available in sufficient quantity and quality, b) to detect any malfunctioning of the lighting equipment and c) to understand the efficiency of the system in real-time operations.

This transition is driven by technological revolutions, environmental changes, and financial pressures. Professional Lighting Asset management systems unfold the multiple

benefits vis a vis standard system. Key features of these Innovative technology solutions are:

- Remote management
  - Flexible adaptation of light levels with a simple click (On/Off/Dim)
  - Efficient lighting scheme planning through calendar scheduling
- Light monitoring
  - Actual lighting status
  - Auto-notifications of faults
- Energy measurement
  - Real energy usage and full history reporting
  - Providing tools for measurement and verification
- Lighting management systems offer a wide range of functionalities, such as user interface, regions, streets and grouping, fault and event notifications, calendar light schedule, energy visualization and reporting, and data analysis and reporting.

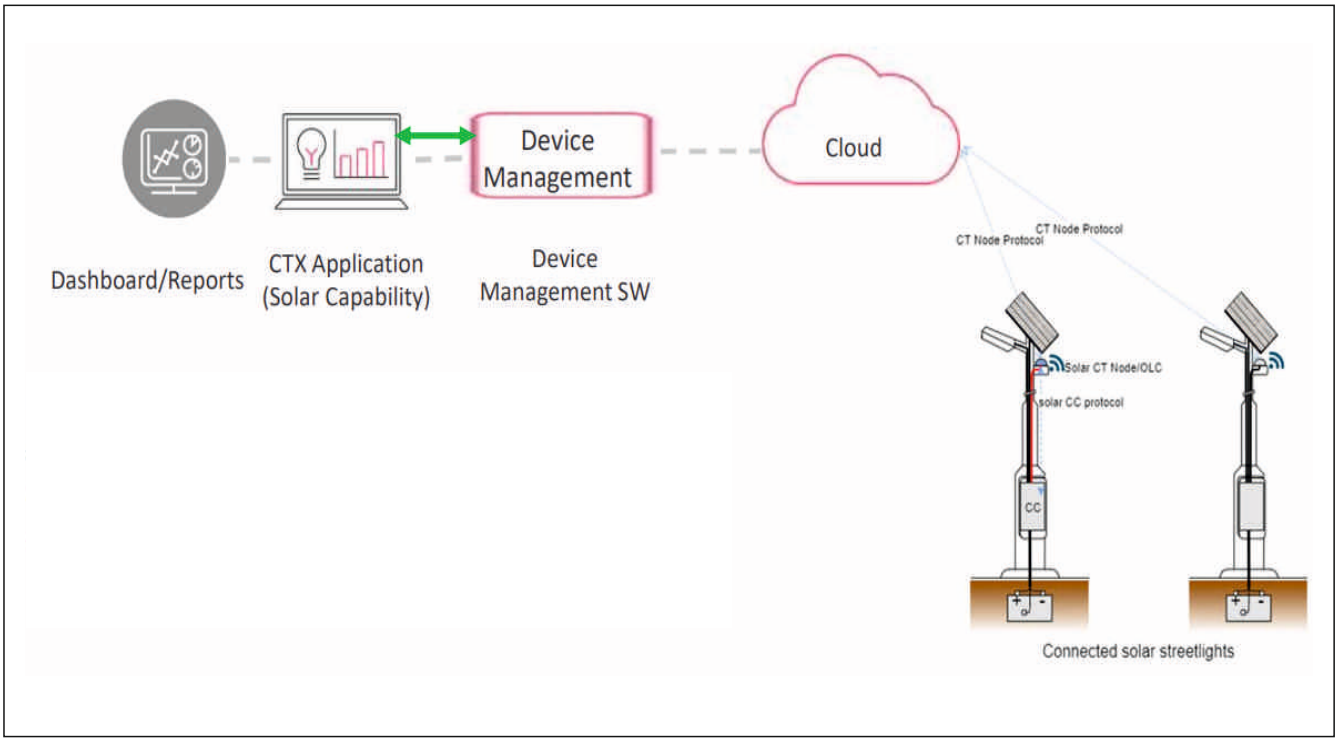


Fig : Overview of a Connected Solar Streetlight System

The light management system is typically centered around a map-based web interface.

The functionalities for assets and asset management are important, and assets can be assigned to regions, streets, and groups. Asset data can be uploaded into the LMS while maintaining the existing asset grouping or input directly. When selecting a street or group, the associated assets will be selected to simplify subsequent workflows, such as energy reporting, manual override, or calendar revision/assignment.

Conclusion

Adoption of solar powered street lighting paves the way to lower carbon emissions and reduces the dependence on fossil fuels. Off-grid solar illumination is a practical substitute for new points since it reduces costs associated with electricity, cabling, and distribution switchgear.

The All-in-One solar luminaire, which is simple to install and has built-in components, is growing in popularity for a variety of applications.

The Asset Management and Lighting Control System on the web offers users a host of advantages. In addition to helping with basic data administration, it also aids in managing, monitoring, and maintaining Solar System products which are many a times remotely located.

AUTHOR : SHREEKANT PHANSE,
NATIONAL APPLICATION SPECIALIST
SIGNIFY INNOVATIONS INDIA LTD.

UPDATES ON CPCB DIGITISATION

The article highlights the benefits and advantages of a Connected Light Management System for Solar Product Installations

CPCB had earlier issued a circular to Customs that they may not hold the import consignments based on the manufacturer's declaration in absence of EPR Authorization till 30 June, 2023 which has now expired.

As per the new rule, no off-line request for authorization would be entertained so all recyclers are required to generate EPR Certificate through EPR Portal.

Now CPCB portal is active for producers to apply for EPR Authorizations aligned with their end of life.

From 1st April 2023 this rule is already in place and Recyclers and Producers can visit the portal and apply for EPR authorization after Company registration with the submission of IEC/ GST certificate.

The website can be accessed at https://eprewastecpcb.in

1. For generation of EPR Certificate on the EPR Portal, recyclers are required to maintain records of sales and purchase of different recovered materials (end Product) and E-Waste through invoices linked to GST respectively.
2. The recyclers are henceforth required to have E-Invoices through GST Portal for sale/purchase of different recovered materials (End Product) and E-Waste respectively.
3. Producers have to accept sales invoices linked to GST for end products from EWaste Recyclers as a proof of recycling.

Categories of electrical and electronic equipment	Electrical and Electronic Equipment code	Average Life in Years
Luminaires for fluorescent lamps with the exception of luminaires in households	CEEW15	2
High intensity discharge lamps, including pressure sodium lamps and metal halide lamps	CEEW16	2
Low pressure sodium lamps	CEEW17	2
Other lighting or equipment for the purpose of spreading or controlling light excluding filament bulbs	CEEW18	LED used by Consumers: 4 LED used for Professional purpose: 8

** For more details on all the categories pls refer to the “Draft Average life proposed for the notified Electrical and Electronic Equipment (EEE) items under the E-Waste (Management) Rules, 2022” published by CPCB.

AUTHOR : SANTOSH AGNIHOTRI (CHAIRPERSON, ELCOMA TECHNICAL COMMITTEE), GENERAL MANAGER-QUALITY & TECHNICAL, ORIENT ELECTRIC LIMITED

BEE ADVISORY ON STANDARD AND LABELLING SCHEME (S&L)

The Bureau of Energy Efficiency has issued an advisory for all the Manufacturers and Permitees of Self ballasted LED Lamp on 23 June 2023.

Though this notification, all manufacturers/permitees of self-ballasted Light Emitting Diode (LED) lamps registered under the S&L program of BEE were informed that the existing star rating table for LED lamps has been upgraded by 1 star level with validity period of 3 years (i.e. 1 July, 2023 to 30 June,2026)

As per the advisory the revised energy consumption standard shall commence w.e.f. 1 July, 2023 and all the active star labelled models of self-ballasted Light Emitting Diode (LED) lamp as per existing energy consumption standards will automatically expire on 30th September, 2023.

Every manufacturer/ permitee willing to continue with the existing model, already approved by BEE has to apply for "Continuation option" (degradation option, for eg. 3 star to 2 star) and get its model approved as per the revised energy consumption standards on or before 30 September, 2023 at 10:00 hrs.

The following steps need to be followed for degradation procedure.

Step 1: Login to the portal to apply for "Continuation of models" and click on link available against each model.

Step 2: Fill in the degradation form for the model that you wish to continue and upload the sample label (as per new standards and label validity period) and previous approval letter issued by BEE for that specific model.

Step 3: Complete the payment process by paying a degradation fee of Rs. 1000/- model.

Star Rating Table

Under S&L scheme the star ratings will be upgraded based on lm/W criteria. The comparative table is given here for ready reference.

Star Rating Band	Applicable till 30th June-2023	Effective from 1st July-2023
	Luminous Efficacy	Luminous Efficacy
1 Star *	≥ 79 and < 90 – Freeze	≥ 90 and < 105
2 Star **	≥ 90 and < 105	≥ 105 and < 120
3 Star ***	≥ 105 and < 120	≥ 120 and < 135
4 Star ****	≥ 120 and < 135	≥ 135 and < 150
5 Star *****	≥ 135	≥ 150

AUTHOR : SANTOSH AGNIHOTRI (CHAIRPERSON, ELCOMA TECHNICAL COMMITTEE), GENERAL MANAGER-QUALITY & TECHNICAL, ORIENT ELECTRIC LIMITED

DIXON TECHNOLOGIES INDIA LIMITED

B-14/15 Phase -2, Noida, Uttar Pradesh-201305
TEL: 0120-4737200
E-mail: sumit.gambhir@dixoninfo.com

COMPANY PROFILE:
ODM AND EMS MANUFACTURER FOR LIGHTING EQUIPMENT

ESTABLISHED: 1993

Business Domain	LIGHTING
Product Brand	ODM AND EMS MANUFACTURER
Manufacturing Facilities	Located In Nolda and Dehradun
Products Manufactured	LED BULBS, LED BATTENS, LED Down lighters and Panels, DC or AC Supplied Drivers, 2*2 Panels, Smart Bulbs, Smart Battens, Smart Downlighters. LED LIGHTING CHAINS, ROPE LIGHTS, Flood Lights , Street Light.
Details of Exports (Products/countries/value etc.)	USA, Sri lanka, Kenya, Europe, UAE
Annual Lighting Turnover (Approx)	1000 Cr
No. of employees	3000
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. Amit.mittal@dixoninfo.com Sr. Vice President
	b. Amit.mittal@dixoninfo.com Sr. Vice President
	c. vikas.juneja@dixoninfo.com
	d. sanjay.makroo@dixoninfo.com
E-mail	Amit.mittal@dixoninfo.com
Website:	www.dixoninfo.com

FULHAM (INDIA) PVT. LTD.

Survey No. 26/3, Village Narhe, Taluka - Haveli,
Dist. Pune – 411041, Tel: +91 20 24690703/04
E-mail: sgaikwad@fulham.com, Website: www.fulham.com

COMPANY PROFILE:

FULHAM is a global manufacturer of High performing LED drivers, LED Light Engines, Emergency Lighting Solutions, and specialized solutions for vertical markets such as signage, refrigeration, horticulture, and UV lighting applications. It has been a prominent player in field lighting electronic control gears for nearly three decades, with operations spanning North America, India, China ,Middle East , Africa, Turkey, Europe, Hong- Kong and Latin America. Fulham has state-of-the-art factory at Pune for manufacturing a range of LED Drivers, LED Modules and other Products.

ESTABLISHED: 2011

Business Domain	Manufacturing
Product Brand	Fulham
Manufacturing Facilities	Pune
Products Manufactured	Led Drivers, Led Modules, Emergency Lighting systems & UV Ballasts
Details of Exports (Products/countries/value etc.)	Led Drivers, LED Modules, Emergency lighting systems to North America , Middle East & Europe.
No. of employees	270
Directors and their contact details (phone, e-mail, location etc)	Mr. Subrata Ghose (Managing Director) Email: sghose@fulham.com
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	Mr. Upender Singh (Vice President- Sales & Marketing - India | Middle East | Europe) Email: usingh@fulham.com
Regional Offices – Contact person / address	**Mumbai:** Mr. Vigneshkumar, Cell No.: 9513333196 **Gujarat:** Mr. Niyant Dongre, Cell No.:7798888251 **North:** Mr. Sanjeev Saini, Cell No.: 9694999565 **South:** Mr. Ravikumar, Cell No.: 9972411611
E-mail	Sakshi Gaikwad - sgaikwad@fulham.com / 9168626427

ESKO CASTING AND ELECTRONICS PRIVATE LIMITED

Plot No. 807, Sector 58, Faridabad-121004
TEL: 9339002458
E-mail: arkpoddar@eskocast.com

COMPANY PROFILE:
ESTABLISHED: APRIL 1999

Business Domain	Luminaire, Domestic Appliances, HPDC
Product Brand	-
Manufacturing Facilities	Plot No. 807, Sector 58, Faridabad-121004
Products Manufactured	Luminaire, HPDC Parts, LED Drivers, Induction Cooktop, BLDC Fans
Details of Exports (Products/countries/value etc.)	Aluminum metal Housing for Luminaires
Annual Lighting Turnover (Approx)	RS. 135 CRORES
No. of employees	241
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation & E-mail ID)**	a. Arun Poddar, Director, arkpoddar@eskocast.com
	b. Arun Poddar, Director, arkpoddar@eskocast.com
	c. Arun Poddar, Director, arkpoddar@eskocast.com
	d. G D Agrawal, President, gdagrawal@eskocast.com
Regional Offices – Contact person / address	Plot No. 807, Sector 58, Faridabad-121004 G D AGRAWAL- 9831091474, Arun Poddar - 9339002458
E-mail	gdagrawal@eskocast.com, arkpoddar@eskocast.com
Website:	www.eskocast.co.in

COLORHOME® SMART LIGHTING

SUNPU INDIA LED CO. LLP

E-21, Sector 07, Noida, 20130, Uttarpradesh, India,
Tel: +91-120-4346767
E-mail: marketing@colorhomelighting.com

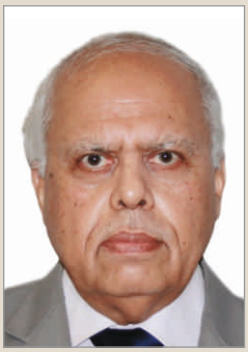
COMPANY PROFILE:

SUNPU INDIA LED CO. LLP IS ONE OF THE LEADING LED LIGHTING AND BUILDING MATERIAL COMPANY. HAS FLAGSHIP BRAND " COLORHOME SMART LIGHTING", WE ARE PRESENT IN PAN INDIA WITH VAST DEALER AND DISTRIBUTER NETWORK. HAS MORE THAN 150 EMPLOYEES WORKING IN SALES & MARKETING, DESIGN AND DEVELOPMENT, OPERATIONS AND BACKEND. COLORHOME SMART LIGHTING HAS BEEN APPRAISED BY SILICON INDIA, BUSINESS CONNECT AS ONE OF THE FATEST GROWING COMPANES AND GREAT WORK PLACE TO WORK.

ESTABLISHED:

Business Domain	Electrical Building Material
Product Brand	Colorhome Smart Lighting
Manufacturing Facilities	-
Products Manufactured	LED Lighting, Torches and Wiring Devises.
Details of Exports (Products/countries/value etc.)	Not Yet
Annual Lighting Turnover (Approx)	Approximately 50 Cr.
No. of employees	-
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Rohit Patel CEO & MD, ceo@colorhomelighting.com
	b. Sachin Tyagi CTO, CTO@colorhomelighting.com
	c. Rohit Patel CEO & MD, ceo@colorhomelighting.com
	d. Pramesh Gupta Director (Designated Partner), pgupta@pmsflashmatics.com
Regional Offices – Contact person / address	Rohit Patel, 119,Gundecha Industrial Estate, Akruli Road, Kandivali (E), Mumbai 400101
Any other information	-
E-mail	Marketing@colorhomelighting.com
Website:	www.colorhomelighting.com

ELCOMA HALL OF FAME



A.D. Kulkarni
President (2003-04)

V.R. Mujumdar
Vice President (2003-04
Treasure (2004)

Vineet Agrawal
Treasurers (2003-04)
Vice President (2005-06)
President (2007-08)

Rajiv Prasad
Treasurer (2009)

R. Nandakishore
Treasurer (2007-08)

Sunil Sikka
Vice President (2009)
President (2010)
Vice President (2014)
President (2015)

Rakesh Zutshi
Treasurer (2014)
Vice President (2015)
President (2016-17)

Nirupam Sahay
Treasurer (2022-March,2024)
Vice President (2013)
President (2014)

Arun Gupta
Treasurer (2013)

Sunil Vachani
Treasurer (2016)
Treasurer (2017)

Rajeev Chopra
Vice President (2010)
President (2011)

Sumit Padmakar Joshi
President, (2020-2022)
Vice President (2018-2020)

Anuj Poddar
Vice President (2022-2024)
Treasurer, ELCOMA (2020-2022)

Avinder Singh
President (2022-2024)
Vice President, (2020-2022)
Treasurer (2018-2020)

Raju Bista
Treasurer (2015)
Vice President (2016-17)
President (2018-20)

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Shekhar Bajaj
President (2004)

Gagan Mehra
Vice President (2004)
President (2005-06)

H.R. Gupta
Treasurer (2005-06)

Manoj Verma
Vice President (2007-08)
President (2009)
Vice President (2012)
President (2013)

C.G.S. Mani
Treasurer (2010)
Vice President (2011)
President (2012)

Arvind Bansal
Treasurer (2011)

Dilip Basole
Treasurer (2012)

Shyam Sujan
Secretary General, Elcoma
2004 - 2023

Mr. Parag K Bhatnagar
President, ELCOMA
2024 - _____

Mr. Jitendra Agrawal
Vice President, ELCOMA
2024 - _____

Mr. C Arun Kumar
Vice President 2, ELCOMA
2024 - _____

Mr. Rajesh Naik
Vice President 3, ELCOMA
2024 - _____

Amit Mittal
Treasurer, ELCOMA
2024 - _____

Amal Sengupta
Secretary General, Elcoma (2023 - till date)
General Manager, Elcoma (2020-2023)

We regret that since we do not have records prior to 2003, we are not able to cover all the office bearers since the inception of ELCOMA i.e. 1970 till 2002

INVENTRONICS SSL INDIA PVT LTD.

IFFCO Surinder Jhakhar Bhawan,1st Floor, Plot No 3, Sector 32
Gurugram 122001, Haryana
TEL: 0124-6578700, E-mail: customercare@inventronicsglobal.com

COMPANY PROFILE:

"OSRAM Digital Systems is now part of Inventronics."

Established in 2007, Inventronics is a premier worldwide producer of an extensive range of lighting products, including LED drivers, sensors, control systems, and LED modules. Our cutting-edge, reliable, and durable solutions are designed to meet all major international safety and performance standards. Manufacturing is carried out at our cutting-edge Science and Technology Park in Tonglu- China, along with additional facilities in Mexico, Italy, and India.

Inventronics is a global organization with a headquarters in China and additional offices across the world. Our strategically located warehouses, combined with our extensive global partner network, enable us to efficiently serve customers worldwide.

Inventronics is dedicated to forging partnerships that enable us to create exceptional products for our clients. Our customer-centric approach drives us to develop reliable, user-friendly, and easily installable and upgradeable products. By offering industry-tailored solutions designed to excel in key market applications and focusing on specific industry needs and capabilities, we deliver the utmost value. Our drivers have been successfully implemented in numerous iconic landmarks across the globe.

Business Domain	www.inventronics-light.com
Product Brand	LED drivers, sensors, control systems, and LED modules, Flex System
Manufacturing Facilities	Tonglu China, Mexico, Italy, and India
Products Manufactured	LED drivers, sensors, control systems, and LED modules, Flex System
Details of Exports (Products/countries/value etc.)	LED Drivers (Europe, Thailand, Vietnam, Argentina & Brazil)
Annual Lighting Turnover (Approx)	Year 2022-23 Value Rs. Crores 47.72
No. of employees	1. approx. 65 white-collar workers 2. approx. 100 blue-collar workers
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Ram Prakash Pandey - Quality Head Ram.prakash@inventronicsglobal.com
	b. Mr. Pruthwiraj Lenka - Sr. GM-Operations Pruthwiraj.lenka@inventronicsglobal.com Mr. Hemant Kumar - Sr. Manager – Compact Systems Hemant.kumar@inventronicsglobal.com
	c. Mr. Nitin Saxena – Director Asia South & ANZ n.saxena@inventronicsglobal.com
	d. Ms. Honey Syal - Marcom Manager Honey.syal@inventronicsglobal.com
Registered Address	INVENTRONICS SSL INDIA PRIVATE LIMITED 4th & 5th Floor, B Wing, Sky-Height, Next to Sagar International Hotel, Near Kalyan Station, Valipeer Road, Kalyan West Kalyan City, Thane, Kalyan, Maharashtra, India, 421301.
E-mail	customercare@inventronicsglobal.com
Website:	Inventronics (inventronics-light.com)

POWER CONNECT INDIA

2A - 27, New Industrial Town-1,
Faridabad - 121001, Haryanana, Tel: 0129-4161110
E-mail: powerconnect2@yahoo.com

COMPANY PROFILE:

Power Connect (India)' was founded in the year '2010' as the most promising manufacturer, exporter, importer, Distributors firm acquiring successful growth with its developed best in class range of Cable Glands, Waterproof IP Connectors, Junction Box, Vent Plugs, Led Lighting Various type connectors . We owe to the technological improvements that served us the opportunity to grow, produce and broaden our product portfolio, which includes ISO 9001: 2015 TUV certified Nylon Cable Glands, Polyamide Rigid Flexible Conduits, and Heavy Duty Multi Pin Connectors. We aim to lead in the challenging market environment; therefore, we bring forward the unprecedented level of quality and a product range that is highly cherished for its resistance to corrosion, crack, and abrasion, along with the facility of installation, properties to endure high temperature and low maintenance.

ESTABLISHED:

Business Domain	Power Connect India
Product Brand	WIRE CONNECTORS, Connectors, Connector Crimping Tools Heavy Duty Multi Pin Connectors, Cable Glands, Polyamide Rigid Flexible Conduits Screw, Wire Connectors, Vent Plug Industrial, Sockets Quick, Wire Connector Industrial Plug, Cable Cutter, Wire Strips
Manufacturing Facilities	Plastic Injection Molding Machine, Tool Room
Products Manufactured	Pipe Gland, IP connector, Cable Gland, Junction Box, Wire Connector, Protection Cover, Door Handle, Vent Plug, Gel Connector, Leelo Connector, MC4 Connector
Other Products Traded	Screw-On Wire Connector, Waterproof Wire Connector, Close-End Wire Connector, Releasable Wire Connector(Lever Type), Easy Link Lighting Connectors, Luminaire Disconnectors
Details of Exports (Products/countries/value etc.)	**Product**: screw wire Terminals, Shrouds, IP Connectors **Countries**: USA, Saudi Arabia, Tanzania, Dubai
Annual Lighting Turnover (Approx)	>20 CR
No. of employees	42
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. 9891140333 b. 9391140333 c. 9911570333 d. -
Regional Offices – Contact person / address	2A - 27, New Industrial Town-1, Faridabad - 121001, Haryanana
E-mail	Sales@powerconnectindia.in
Website:	www.powerconnectindia.in

KESSLEC SMART LIGHTING TECHNOLOGIES PRIVATE LTD.

55, Industrial Area NIT, Faridabad, Hariyana-121001
Tel: +91 9350107996, E-mail: sales@kesslec.com

COMPANY PROFILE:

Business Domain	Manufacturer of outdoor lighting solutions
Product Brand	"Kesslec"
Manufacturing Facilities	Public & Industrial lighting
Products Manufactured	Smart luminaires, poles & brackets
Details of Exports (Products/countries/value etc.)	Outdoor luminaires
Annual Lighting Turnover (Approx)	INR 25 crores
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Jugesh Kumar, Vice President Finance & HR, jugeshk@kesslec.com
	b. Sumeet Sharma, Vice President – Operations sumeets@kesslec.com
	c. Renjith Rao Chief Sales Officer, renjithr@kesslec.com
	d. Chekitan Sawhney, Chairman & Managing Director, chckitan@kesslec.com
Regional Offices – **Contact person / address**	a. WEST INDIA Kalpesh Ray, General Manager Sales kalpeshr@kesslec.com b. NORTH INDIA Sehdev Sharma, Dy. General Manager Sales sehdevs@kesslec.com C. Sornna Kannan, Regional Manager Sales kannanc@kesslec.com
E-mail	sales@kesslec.com
Website:	www.kesslec.com

POLYCAB
IDEAS. CONNECTED.

POLYCAB INDIA LTD.

Polycab India, The Ruby Tower, Dadar West Chowk,
Mumbai, Maharashtra 400028, Tel: +91 9930955390, Fax: +912267331400
E-mail: jay.mohanty@polycab.com

COMPANY PROFILE:

Polycab India's Lighting is a leading force in the Indian lighting industry, renowned for its innovative, energy-efficient, and high-quality lighting solutions. With a focus on both residential and commercial applications, Polycab offers a comprehensive range of products including LED lights, luminaires, and decorative fixtures.

ESTABLISHED: 1983

Business Domain	Polycab India Ltd.
Product Brand	Polycab
Manufacturing Facilities	Jarod, Vadodara and Chhani, Vadodara
Products Manufactured	LED Luminaries, Components, etc.
Annual Lighting Turnover (Approx)	262 Cr. INR
No. of employees	Around 11,000
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	For points mentioned under a,b contact:- Vaibhav Suhane (General Manager, Strategic Projects) +91 9879808896 vaibhav.suhane@polycab.com
	For rest of queries (also c,d) contact:- Jay Prakash Mohanty (Executive Vice President) +91 9930955390 jay.mohanty@polycab.com
Registered Address	Contact HO for any such details:- Jay Prakash Mohanty (Executive Vice President) +91 9930955390 jay.mohanty@polycab.com
Any other information	For any other queries contact:- Ojas Tayde Senior Manager 9545263550 ojas.tadye@polycab.com
E-mail	jay.mohanty@polycab.com
Website:	www.polycab.com

LUKER ELECTRIC TECHNOLOGIES PVT LTD

Luker Electric Technologies Pvt Ltd, 54, Krishnarayapuram Thotta Salai,
Old Cochin Byepass Road, Chettipalayam, Tamil Nadu - 641201
TEL: +91-8800169720, E-mail: srk.e@lukerindia.com

COMPANY PROFILE:

ESTABLISHED: 2014

Business Domain	Electrical Manufacturer & Seller
Product Brand	LUKER
Manufacturing Facilities	4.50 Lac Sqft state of Art Manufacturing Plant at Coimbatore-Tamil Nadu.
Products Manufactured	LED lighting solutions, Solar Lighting Solutions, Indoor and Outdoor Lighting Fixtures, FANs
Other Products Traded	Switch Gear products and Water Heaters, Solar Water Heaters
Details of Exports (Products/countries/value etc.)	We manufacture and export lighting products and solutions to countries like Maldives, Middle East, Africa and Oman. worth 1.5 Cr + yearly
Annual Lighting Turnover (Approx)	300 Cr.
No. of employees	1202
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr E Sivaramakrishnan, Director, Luker Electric Technologies Pvt Ltd., srk.e@lukerindia.com
	b. Mr Mohanan P M, Vice President, Luker Electric Technologies Pvt Ltd., pmm@lukerindia.com
	c. -
	d. -
E-mail	sales@lukerindia.com
Website:	www.lukerindia.com

Future is this HALONIX

HALONIX TECHNOLOGIES PVT. LTD.

B-31, Phase II, Noida-201302. Tel: 0120-4756100, Fax: 0120-4756101
E-mail: mukesh.chaturvedi@halonix.co.in

COMPANY PROFILE:

Halonix Technologies Pvt. Ltd. is amongst India's fastest-growing electrical companies. It caters to both consumers and institutional buyers with its innovative and smart-tech offerings across Lighting, BLDC Fans, Smart/IoT products, and products focusing on Safety and security. The company has been the forerunner in the development of energy-efficient and innovative solutions for large projects across Highways, Railways, Airports, Offices and Retail spaces.

With the credo of Make in India and Made for India, Halonix has thrived by demonstrating an unmatched proficiency in developing, alidating, and deploying relevant and suitable solutions for Indian conditions. This focus on innovation is driven by a large in-house R&D team, cutting–edge manufacturing capabilities and a fully accredited NABL Laboratory.

Spearheading the technological revolution, the company has led the charge in bringing forth energy-efficient lighting solutions. Presently, Halonix stands as one of the Top 5 lighting brands within the industry, securing a prominent position through its innovative offerings perfectly aligned with the evolving demands of consumers.

True to its commitment to environmental sustainability, Halonix has consistently stayed ahead of the curve, embracing cutting-edge echnologies in LED. Its innovations include many 'First in India' products such as a DJ Speaker Bulb, Speaker Bulb, family of Inverter Lighting Products, family of Prizm-Millions of Colours Lighting Solutions, Radar Motion Sensor Bulb and the family of All Rounder 3-wattages-in-one Bulbs and Battens.

Halonix has also launched a range of BLDC Fans, Switchgear & Electrical Accessories. Moreover, it has also launched many more innovations, such as a Plug & Play Fire Alarm, an Air Purifier Bulb, and an Air Purifier Desktop Device.

The brand has recently diversified into a wide range of Electrical Accessories such as Wi-Fi plugs, Extension Cords, Torches, and mergency Lights.

Business Domain	Lighting, Fans, Smart Accessories & Switchgear.		
Product Brand	Halonix		
Manufacturing Facilities	Halonix Technologies Pvt. Ltd. Plot No. 5 , Sector 12, IIE SIDCUL, Haridwar, Uttarakhand - 249403		
Products Manufactured	LED Lamps, LED Luminaires, Fans, Smart IOT Products, Swtchgear and Electrical Accessories.		
No. of employees	980		
Directors and their contact details (phone, e-mail, location etc)	Mr. Rakesh Zutshi B-31, Phase II, Noida. Tel: 0120-4756100, Email: rakesh.zutshi@halonix.co.in		
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	A. Mr. Sameer Jindal, Vice President Email: Sameer.jindal@halonix.co.in		
	b. Mr. Vaibhav Jain, Vice President Email: vaibhav.jain@halonic.co.in		
	c. Mr. Prabhakant Shukla, Vice President Email: prabhakant.shukla@halonic.co.in		
Regional offices - Contact person/address	**Mumbai** Halonix Technology Pvt.Ltd. The Affairs Office No. 1402, 14th Floor, Plot No. 9, Sector 17, Sanpada, Navi Mumbai, Thane - 400705 Tel: +91 022 - 35120050	**Bangalore** Halonix Technology Pvt.Ltd. No. 6 "Legacy" 1st Floor, Convent Road, Richmond Town, Bengaluru - 560025 Tel: +91 - 080 - 41125296	**Kolkata** Halonix Technology Pvt.Ltd. 67B Ballygunge Circular Road, Ballygunge Park Tower, 9th Floor, Kolkata - 700019 Tel: +91 - 033 - 4008184
E-mail	customercare@halonix.co.in		
Website	www.halonix.co.in		

KEY PILLARS OF ELCOMA

ELCOMA, as the apex association of the lighting manufacturers, strongly supports and promotes lighting education and awareness of best practices, by collaborating with all stakeholders and relevant industry association.

As part of the Knowledge program, ELCOMA plans to hold Conferences, Workshops, Symposia and participate as Education partners with other associations. It aims to promote Lighting Education and Research in academic institutions.

ELCOMA - KEY OBJECTIVES

- Government Liaison on Policies, Regulations, Standardisation etc
- Industry Relationships and Memberships
- Lighting Promotion/ Knowledge/ Education Programs

ELCOMA's NEW OFFICE

E-WASTE MANAGEMENT RULES TO COME INTO EFFECT IN 2023

The article summarizes the new E-Waste Management rules and their applicability to the Industry

The E-Waste (Management) Rules, 2022 were published by the Government of India in the Ministry of Environment, Forest and Climate Change, through a notification on 19 May, 2022 in the Gazette of India, Extraordinary. These rules will supersede the E-waste (Management) Rules, 2016 and shall come into force from 1 April, 2023.

These rules shall apply to every manufacturer, producer, refurbisher, dismantler and recycler involved in manufacture, sale, transfer, purchase, refurbishing, dismantling, recycling and processing of e-waste or electrical and electronic equipment, including their components, consumables, parts and spares used to make the product operational but do not apply to

- Waste batteries as covered under the Battery Waste Management Rules, 2022.
- Packaging plastics as covered under the Plastic Waste Management Rules, 2016.
- Micro enterprise as defined in the Micro, Small and Medium Enterprises Development Act, 2006 (27 of 2006); and
- Radio-active wastes as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under:

Under Schedule I that defines Categories of electrical and electronic equipment including their components, consumables, parts, and spares covered under the rules, identify the following items that are relevant to the Indian Lighting Industry

Consumer Electrical and Electronics and Photovoltaic Panels

- *Fluorescent and other Mercury containing lamps*
- *Solar panels/cells, solar Photovoltaic panels/cells/modules.*
- *Luminaires for fluorescent lamps with the exception of luminaires in households*
- *High intensity discharge lamps, including pressure sodium lamps and metal halide lamps*
- *Low pressure sodium lamps*
- *Other lighting or equipment for the purpose of spreading or controlling light excluding filament bulbs*

Extended Producer Responsibility Framework and Registration

The E- Waste Rules specify that the following entities need to register on the portal

(a) Manufacturer (b) Producer (c) Refurbisher and (d) Recycler

If any entity falls in more than one category, then the entity is required to register under those categories separately. No entity identified in these rules is allowed to carry out any business without registration and those entities that are registered under these rules shall not deal with any unregistered manufacturer, producer, recycler and refurbisher.

If any registered entity furnishes false information or willfully conceals information for getting registration or return or report or information required to be provided or furnished under these rules or in case of any irregularity, the registration of such entity may be revoked by the Central Pollution Control Board for a period up to three-years after giving an opportunity to be heard and in addition, environmental compensation charges may also be levied in such cases.

The Central Pollution Control Board may charge a registration fee and annual maintenance charges from the entities seeking registration under these rules based on capacity of e-waste generated or recycled or handled by them as laid down by the Central Pollution Control Board with the approval of the Steering Committee.

Certain categories of lamps such as Mercury, Tri band Phosphor, Lead, Chromium, Cadmium may be exempted from the requirements of these rules.

E- Waste Recycling Targets

The E- Waste Rules identify the year wise targets for those registered under the E-Waste rules as per Schedule III.

Sl. No.	Year (Y)	E-Waste Recycling Target (by weight)
1.	2023 -2024	60% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product
2.	2024 -2025	60% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product
3.	2025 -2026	70% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product
4.	2026-2027	70% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product
5.	2027-2028	80% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product
6.	2028-2029	onwards 80% of the quantity of an EEE placed in the market in year Y-X, where 'X' is the average life of that product

1. *These E-waste recycling targets shall be reviewed and may be increased after the end of year 2028- 2029.*
2. *The importers of used electrical and electronic equipment shall have 100% extended producer responsibility obligation for the imported material after end of life, if not re-exported.*
3. *E-Waste recycling targets shall not be applicable from solar photovoltaic modules or panels or cells.*

Extended Producer Responsibility targets for producers, who have started sales operations recently, i.e. number of years of sales operations is less than average life of their products mentioned in the guidelines issued by the Central Pollution Control Board from time to time are covered under Schedule IV of the Rules.

Sl. No.	Year (Y)	E-Waste Recycling Target (by weight)
1.	2023 -2024	15% of the sales figure of financial year 2021-22
2.	2024 -2025	20% of the sales figure of financial year 2022-23
3.	2025-2026 onwards	20% of the sales figure of the financial year two years back

1. *Once the number of years of sales operation equals the average life of their product mentioned in the guidelines issued by Central Pollution Control Board, their extended producer responsibility obligation shall be as per Schedule-III.*
2. *E-Waste recycling targets shall not be applicable for waste generated from solar photo-voltaic modules or panels or cells.*

List of Authorities and their Duties

Sl. No.	Authority	Coprrersponding Duties
1.	Central Pollution Control Board	(1) Operation and maintenance of Extended Producer Responsibility Portal and monitoring of Extended Producer Responsibility compliance. (2) Coordination with State Pollution Control Boards (3) Prepare and issue guidelines and Standard Operating procedures for collection, storage, transportation, segregation, refurbishment, dismantling, recycling and disposal of e-waste under these rules from time to time, and also issue necessary Forms/ Returns for implementation of these rules. (4) Conduct random check for ascertaining compliance of the e-waste rules and may take help of Customs/State Government or any other agency (ies). (5) Documentation, compilation of data on e-waste and uploading on websites of Central Pollution Control Board. (6) Actions against violation of these rules. (7) Conducting training programmes to develop capacity including State Pollution Control Boards and Urban Local Bodies officials. (8) Conducting awareness programmes on e-waste management, RE/CE label, legislation to make consumers responsible towards product usage and safe disposal. (9) Integrate all stakeholders with the centralized digital system. (10) Submit Annual Report to the Ministry. (11) Enforcement of provisions regarding reduction in use of hazardous substances in manufacture of electrical and electronic equipment. (12) Interaction with IT industry for reducing hazardous substances. (13) Set and revise targets for compliance to the reduction in use of hazardous substance in manufacture of electrical and electronic equipment from time to time. (14) Ensure RoHS compliance and its certifications through a recognized lab and its mandatory checks.
2.	State Pollution Control Boards or Pollution Control Committees of Union territories	(1) Inventorisation of e-waste. (2) Monitoring and compliance of Extended Producer Responsibility as directed by Central Pollution Control Board. (3) Conduct random inspection of recycler and refurbisher and monitoring recycling capacity utilization. (4) Implementation of programmes to encourage environmentally sound recycling. (5) Any other function delegated by the Ministry/ Central Pollution Control Board under these rules.
3.	Responsibilities of Local Bodies (Urban and Rural)	(1) To ensure that e-waste if found to be mixed with Municipal Solid Waste is properly segregated, collected and is channelised to registered recycler or refurbisher. (2) To ensure that e-waste pertaining to orphan products is collected and channelized to registered recycler or refurbisher. (3) To facilitate setting up e-waste collection, segregation and disposal systems. (4) Conducting training sessions to develop capacities of the urban and rural local bodies.
4.	Responsibilities of Port authority under Indian Ports Act, 1908 (15 of 1908) and Customs Authority under the Customs Act, 1962 (52 of 1962).	(1) Verify the import or export with respect to Extended Producer Responsibility under these rules. (2) Inform Central Pollution Control Board of any illegal traffic for necessary action. (3) Take action against importer for violations under the Indian Ports Act, 1908 or the Customs Act, 1962.
5.	Responsibilities of Bureau of Indian Standards/ Ministry of Electronics and Information Technology	To issue standards for refurbished products. Bureau of Indian Standards/ Ministry of Electronics and Information Technology shall also develop guidelines for refurbishers with respect to Compulsory Registration Scheme.

AUTHOR : SANTOSH AGNIHOTRI, CHAIRPERSON, ELCOMA TECHNICAL COMMITTEE AND GENERAL MANAGER- QUALITY AND TECHNICAL, ORIENT ELECTRIC LIMITED

VARIOUS ACTIVITIES BY ELCOMA

Conferences

ELCOMA Conference on intelligent and connected LED lighting held in Mumbai and Delhi

Exhibitions

Exhibitions - Light India bi-annually inviting B2B from India and abroad. Besides Regional exhibitions are held on regular basis.

Magazine

Publishes Magazine IllumiNation quarterly

Magazine Cover Pages

Members Project Showcase

International Relationships

ELCOMA has built good relationships with international organizations

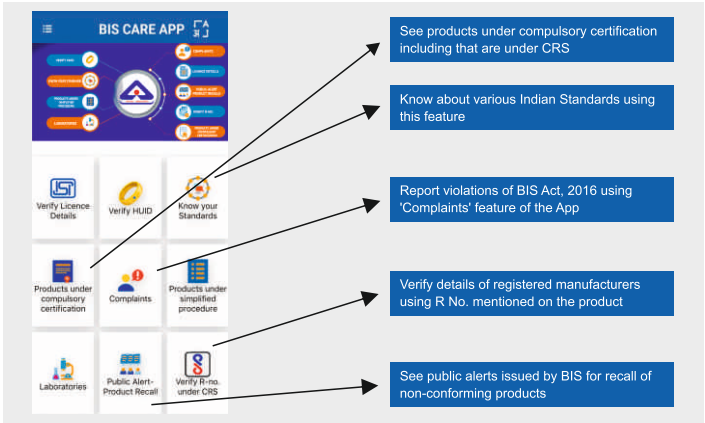
BRICS smart lighting industry summit and 11th meeting of brics ssl working group

ISA Meeting (Mr. Santosh Agnihotri and Mr. Hrishikesh Ta)

Complaint Management and Enforcement Activities by BIS

Ministry of Electronics & Information Technology (MeitY) (erstwhile DeitY) notified Electronics and Information Technology Goods (Requirement for Compulsory Registration) Order, 2012 on 03 October 2012, initially for fifteen categories of electronics items. More categories were subsequently added. A wide range of electronic items, many of which are daily use products, are covered. This list covers mobile phones, scanners, amplifiers, set top boxes, laptops, printers, luminaries, LED flood lights, lighting chains, televisions, music systems, digital cameras and so on. The complete list is available in public domain and can be accessed through following link:

https://www.crsbis.in/BIS/products-bis.do



BIS has been receiving a large number of complaints related to above referred compulsory registration scheme (CRS). Complaints pertain to following two types: Misuse of registration mark, i.e., applying the mark without authorisation; and violation of compulsory registration order, i.e., production /sale / display for sale / distribution of these products without BIS Registration Mark. BIS Branch Offices have carried out 40 Search and Seizure operations across the country during the last two years. Subsequent to successful Search & Seizure operation, legal action for violation of BIS Act, 2016 is also being initiated against the offenders.

Consumers can also verify details of registered manufacturers and report violations of BIS Act using BIS CARE App. Alternatively, complaints can also be lodged through the following modes as well:

(I). Through our web portal on the following link

https://www.bis.gov.in/index.php/consumer-overview/consumer-overviews/online-complaint-registration/

(ii). By writing email to us at complaints@bis.gov.in

AUTHOR: BUREAU OF INDIAN STANDARDS (BIS)

Defines future of Lighting by preparing Vision plans.

VISION 2024

VISION 2030

SELF RELIANCE
To create a self-reliant Lighting Industry by 2030 with local for local manufacturing of electronics components based on electronics and semiconductor PLI initiatives from Government

INNOVATE
Create a Global Centre of Excellence focusing on research and innovations on futuristic technologies

EXPORT PROMOTION
With adequate support of the government, make India as an export hub for Lighting products and capture at least 10% of Global Lighting market by 2030

GROWTH
Achieve Industry growth of CAGR 10% by 2030 based on government initiatives to increase per capita public light points

CAPTAIN GEARS & FANS

B-84, Sector 80, Noida-201305 (U.P.)
Tel: 9810145540, E-mail: Compact@compactlighting.net

COMPANY PROFILE:

COMPACT symbolises a professional enterprise synonymous with lighting. We are one of the largest brand manufacturers in India with more than 40000 Sq ft space dedicated to lighting.

COMPACT has always been a trendsetter in the Lighting industry. With more than 6 design patents, our biggest strength is our ability to develop electric lighting solutions tailormade to Indian power conditions.

Our smart factory incorporates the best practices of automated manufacturing systems with more than 6 dedicated lines. Our in-house SMT (Surface Mounting Technology) Plant gives us a deep foundation in Electronic Manufacturing Systems(EMS). With full backward integration like our own Extrusion machines, we are dedicated towards local manufacturing with "Made in India" LED lights not just assembled in India.

Our large product portfolio covers the entire spectrum of consumer lighting needs, both domestic and commercial. We have always believed in offering our customers superior quality products delivering optimum value. Our strong network presence in more than 10 states in India helps us touch more than 5000 retail points across the country.

With best in class after sales service, we stand by the guarantees offered on our products. COMPACT is a hallmark of trust and we truly cherish the faith that our customers have reposed in us.

ESTABLISHED: 1986

Business Domain	Lighting and Electrical Accessories
Product Brand	COMPACT
Manufacturing Facilities	Fully Automated with SMT,MI, Extrusion, Fabrication and Paint Shop
Products Manufactured	LED Fixtures/Bulbs/Battens, Downlights, Striplights Floodlights, streetlights, High Bay lights
Other Products Traded	Electrical Accessories, Mosquito racquets etc
Annual Lighting Turnover (Approx)	Rs 50 crores
No. of employees	200+
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation & E-mail ID)**	a. Chandni Sikand, Chandni@compactligthing.net
	b. Chandni Sikand, Chandni@compactligthing.net
	c. -
	d. Chandni Sikand, Chandni@compactligthing.net
Regional Offices – Contact person / address	Chandni Sikand, Chandni@compactligthing.net
E-mail	compact@compactlighting.net
Website:	www.compactlighting.net

CENTURY LED LIMITED

Srijan Industrial Logistic Park, Block A, 1st Floor, NH-6,
Bombay Road, Ankurhati, Domjur, Howrah, Pin- 711302, West Bengal, India
Tel: 1800 345 1345, E-mail: info@centuryled.in

COMPANY PROFILE:

Century LED Limited is one of he very few companies to enter the lighting sector with its' own state-of-art manufacturing unit. It has always strived to understand the needs of the customers and offer solutions that are best-in-class and consumer-friendly.

ESTABLISHED: 2015

Business Domain	LED LIGHTING
Product Brand	MAGIK
Manufacturing Facilities	Century Led Limited having its state-of-the-art manufacturing unit at Howrah, is one of the top manufacturing companies in West Bengal. It is a 60,000 sq. Ft. fully owned manufacturing unit and 20,000 sq. Ft. warehouse leased facility. Key highlights of the manufacturing facility: • NABL-certified testing facility • Strong In-house R&D, Design, Testing, Manufacturing, and delivery units • A capacity of over 20 Lacs units per month (considering 9W bulb) • Quality commitment and ethical values
Products Manufactured	Century LED Limited provides a complete LED Luminaire range combining quality and aesthetics. Key Products mentioned below: LED Lamps — LED Battens LED Panels & Downlights — LED Spotlights, Track lights & Zoom lights LED Flood lights — LED Streetlights LED Bollards & Post Tops — LED Strip Lights Solar Lighting — Highbay & Industrial Lighting Architectural Lighting — Smart Lighting - C'nnect Range
Details of Exports (Products/countries/value etc.)	Country: Oman LED Batten — LED Lamp LED Panel — LED Downlights LED Strip lights — Highbay Lighting LED Flood Lights
No. of employees	527
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. Mr. Anirudh Kajaria Designation- Business Head, E-mail: ak@centuryled.in
	b. Mr. Gopal Singh (9051310333) Designation-Director, E-mail: gopal.singh@centuryled.in
	c. Mr. Sourav Roy (9831056826) Designation: General Manager-Professional Lighting, E-mail: sourav.roy@centuryled.in
Regional Offices – Contact person / address	**Head Office** - P-15/1, Taratala Road, CPT Colony, Century House- 3rd Floor, Taratala, Kolkata-700088, West Bengal Mr. Amitava Majumder (9830990154)
E-mail	info@centuryled.in
Website:	www.magiklights.com

UNIGLOBUS ELECTRICALS AND ELECTRICALS INDIA PRIVATE LIMITED

Unit 3F, Halol-Broda Road, Vill, Rampura, Gujarat, India PIN - 389350
TEL: 7249297057, E-mail: BS.Praveen@polycab.com

COMPANY PROFILE:
Electronics Design and Manufacturing

ESTABLISHED:

Business Domain	Manufacturer
Product Brand	Uniglobus and Polycab
Manufacturing Facilities	Electronic, R&D and Manufacturing line
Products Manufactured	LED Drivers, BLDC Controllers, EV Chargers, Luminaire Assembly and Other Electronic Products.
Annual Lighting Turnover (Approx)	20 cr
No. of employees	120 Nos.
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. B.S. Praveen - BS.Praveen@Polycab.com (M) - 7249297057
	b. Gajanan Inamdar - Gajanan.Inamdar@Polycab.com (M) - 9850960297
	c. Sriram Royam - Sriram.Royam@Polycab.com (M) - 9830600711
	d. Aniket Pathak - Aniket.Pathak@Polycab.com (M) - 9822225338
Regional Offices – Contact person / address	Mr. Aniket Pathak (M) - 9822225338
Any other information	Key Expertise - Power Electronics Design, Development and in house manufacturing. Expert Quality Products - Enquiries Welcome.
E-mail	Aniket. pathak@polycab.com
Website:	www.uniglobus.in

ECUE LIGHTING INDIA PVT. LTD. (TRAXON TECHNOLOGIES LIMITED)

113, Prestige Pinnacle, Koramangala, 7th Block, Bangalore,
Karnataka- 560095 - India, Tel: +91 80 46462000
E-mail: ajay.mittal@traxon-ecue.com

COMPANY PROFILE:

Traxon Technologies, together with its control brand, e:cue, is a global leader in solid state lighting and control systems. Working with our extensive partner network, Traxon & e:cue transforms creative visions into unforgettable lighting experiences, elevating architectural, entertainment, hospitality and retail environments around the world.

Flexibility, simplicity, and innovation are our guiding principles; they drive and shape us within our ever-evolving industry. Our customers and partners are the leading international lighting design, architecture and engineering firms, as well as the world's premier developers and brands. Together we have completed over 4,000 installations worldwide.

ESTABLISHED: 2022

Business Domain	Traxon e:cue is a global leader in dynamic lighting and control systems, providing innovative, performance-driven, and intelligent lighting solutions.
Product Brand	TRAXON , ECUE & OSRAM
Manufacturing Facilities	N/A
Products Manufactured	Dynamic & Professional Lighting
Other Products Traded	Lighting Controls
Details of Exports (Products/countries/value etc.)	N/A
Annual Lighting Turnover (Approx)	N/A
No. of employees	N/A
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	Shirish Mathur -Country Head ECUE Lighting India Pvt Ltd. (Traxon Technologies Limited) 113, Prestige Pinnacle, Koramangala, 7th Block, Bangalore, Karnataka- 560095 – India, Shirish.Mathur@traxon-ecue.com
	Anuj Kumar , Operation Head ECUE Lighting India Pvt Ltd. Corenthum Towers A, Unit 1410, 4th Floor, Sector 62- NOIDA-201310-UP-India Anuj.kumar@traxon-ecue.com
Regional Offices – Contact person / address	**North:** Mohd Yusuf Khan, ECUE Lighting India Pvt Ltd. Mob: +91 8527827870
Any other information	Official Licensee of OSRAM Brand – LED Luminaires
E-mail	AJAY.MITTAL@TRAXON-ECUE.COM
Website:	Web: https://www.traxon-ecue.com, Social Media: https://linktr.ee/traxon_ecue

USHA INTERNATIONAL LTD

Plot No. 15, Institutional Area, Sector-32, Gurgaon – 122 001, Haryana
TEL: 9829724010
E-mail: ranveer_singh@usha.com@usha.com

COMPANY PROFILE:
ESTABLISHED:

1. Business Domain	Consumer Durables
2. Product Brand	USHA (Lighting Brand : TISVA)
3. Manufacturing Facilities	Hyderabad
4. Products Manufactured	NA
5. Other Products Traded	Cooking & Fabric Care Appliances, Lighting Products, Electric Fans, Room Coolers/ Heaters, Water Coolers/Heaters/Dispensers, Sewing Machines, Electric Water Pumps
6. No. of Employees	NA
7. Details of Exports (Products/countries/value etc.)	NA
8. Annual Lighting Turnover	NA
9. No. of employees	NA
10. Directors and their contact details (phone, e-mail, location etc)	NA
11. Contact Persons For Business Development	Mr. Ashok Viswanathan, President & BU Head, Lighting & Premium Fans Contact Details: 7042102070 Plot No. 15, Institutional Area, Sector-32, Gurgaon – 122 001 Haryana
12. Regional Offices- Contact Person / Address	NA
13. Any other Information	NA
14. E-mail	ashok_viswanathan@usha.com

DEWCON INDUSTRIES

Village Kirpalpur, Tehsil Nalagarh, Near Hindustan Unilever Ltd.,
Distt. solan, himachal Pradesh -174101
Tel: 9816098261, Email: m.kohli@rrl.net.in

COMPANY PROFILE:

Dewcon Industries is considered as one of the leading High-Level Assembler of Lighting, Fans and Appliances with products specially LED, BLDC Fans and electronic controllers, having installed state-of-the-art technology machines and equipment for assembly and testing of all the products.

The motto of Dewcon is to give the complete solution to our esteemed customers. For this, we have set up different units for Injection molding, sheet metal fabrication and assembly of all electronic parts.

ESTABLISHED: 2003

1. Business Domain	www.dewcon.in
2. Product Brand	DEWCON
3. Manufacturing Facilities	Nalagarh, Himachal Pradesh
4. Products Manufactured	LED Bulbs, LED Battens,Decorative Lighting, Plastic components, Electronic Components, BLDC Controllers, BLDC Fans, Conduit Pipes (extrusion)
5. Other Products Traded	Fancy Lighting and Rope Lighting
5. Annual Lighting Turnover (Approx)	100 Cr.
7. No. of employees	120 nos.
8. Directors and their contact details (phone, e-mail, location etc)	1. R.K. Dewan (Partner) –- rkdewan@rrl.net.in M-9779700812 2. Ishaan Dewan (partner) – ishaan@rrl.net.in M-9878238230
9. Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Mukesh Kohli (CEO) m.kohli@rrl.net.in M-9816098261
11. E-mail	m.kohli@rrl.net.in

KWW ELECTRICALS & ELECTRONICS PVT. LTD.

P-38, INDIA EXCHANGE PLACE, 3RD FLOOR, KOLKATA-70001
TEL: 033-22158628, FAX: 033-2225 4486
E-mail: a.sengupta@khaitanwire.com

COMPANY PROFILE:

KWW ELECTRICALS having its own state of the art manufacturing facility is present across the length and breadth of the country. It is One of the fastest Growing brand in the consumer durables industry. It is also the most trusted OEM partner for many brands across India.

ESTABLISHED: 2011

Business Domain	Lighting, Fans & Appliances
Product Brand	KWW Electricals
Manufacturing Facilities	Jalan Industrial Complex, Gate No-3, Arogori, P.O. –Andul Mouri. Howrah. W.B -711302
Products Manufactured	LED Lighting, Fans.
Other Products Traded	Appliances.
Details of Exports (Products/countries/value etc.)	NIL
Annual Lighting Turnover (Approx)	30Cr.
No. of employees	300 nos
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Ajit kumar Khaitan. a.khaitan@khaitanwire.com
	b. Mr. Arup Sengupta. a.sengupta@khaitanwire.com
	c. Mr.Shreevarkhaitan shreevar@khaitnwire.com
	d. Mr.Nikunj Khaitan nikunj@khaitanwire.com
Regional Offices – Contact person / address	Mr. Nitesh Khaitan. n_khaitan@khaitanwire.com
E-mail	shreevar@khaitanwire.com a.sengupta@khaitanwire.com marketing@kwwelectrical.com
Website:	www.kwwelectricals.com

MITHABHI LAMPS PRIVATE LIMITED

Tatarpur Road, Prithla Industrial Area, Sec-10, PRITHLA Palwal - 121102,
Tel: +91 1275 262 136, fax: +91 1275 262 136
E-mail: mithabhi@fokallamps.com

COMPANY PROFILE:

MITHABHI LAMPS PVT LTD WAS ESTABLISHED WITH A VISION TO ACHIEVE GLOBAL LEADERSHIP IN THE FIELD OF INCANDESCENT BULBS BY PROVIDING SMART SOLUTIONS IN AUTOMOTIVE LIGHTING.
ALMOST FOUR DECADES OF THE EXPERIENCE OF VEHICLE BULB MANUFACTURING AND SUPPLYING TO ALMOST ALL TWO AND THREE WHEELER OEMS AND HAVING SUBSTANTIAL SHARE IN TRACTOR AND LCV/HCV SEGMENT, IN INDIA AND ACROSS GLOBE.
WE OFFER A WIDE SPECTRUM OF AUTOMOTIVE INCANDESCENT BULBS FOR THE AUTOMOBILE INDUSTRY WHICH INCLUDE **HEAD LAMP BULBS, INDICATOR BULBS, STOP & TAIL LIGHT BULBS, PARKING BULBS, WEDGE BASE BULBS, ROOF LAMP BULBS, SPEEDOMETER BULBS, DASH BOARD BULBS, TRUNK LIGHT BULBS**

Business Domain	fokallamps.com		
Product Brand	FOKAL		
Manufacturing Facilities	Tatarpur Road, Prithla Industrial Area, Sec-10 Palwal-121102		
Products Manufactured	Automative Bulbs		
Details of Exports (Products/countries/value etc.)	PRODUCT	COUNTRIES	VALUE (INR)
	BULBS	VIETNAM	0.01 CR
Annual Lighting Turnover (Approx)	70.00CR.		
No. of employees	170		
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. SUMIT MOHAN SINHA Designation – Director E-mail ID - mithabhi@fokallamps.com		
	b. SUMIT MOHAN SINHA Designation – Director E-mail ID - mithabhi@fokallamps.com		
	c. SUMIT MOHAN SINHA Designation – Director E-mail ID - mithabhi@fokallamps.com		
	d. VIDYUT SINHA Designation – Director E-mail ID- vidyut@fokallamps.com		
Regional Offices – Contact person / address	1307, 13th Floor, Pragati Tower, Rajendra Place, New Delhi -110 008, INDIA		
E-mail	custcare@fokallamps.com		
Website:	www.fokallamps.com		

TECHNO ELECTROMECH PVT. LTD.

R.S. No. 858, opp. GSFC Main Gate,
Chhani, Vadodara – 391750, Tel: +91-7600023946
E-mail: himalay.patel@technoelectromech.com

TECHNO LED™
Designed for future, engineered to last

COMPANY PROFILE:
ESTABLISHED: 2011

Business Domain	www.technoelectromech.com
Product Brand	ODM/OEM Manufacturer of LED Lighting Products
Manufacturing Facilities	VADODARA, Gujarat (INDIA)
Products Manufactured	LED PC and Aluminum Battens, LED Bulbs, LED Backlit Panels, LED Edgelit Panels, 2x2 Backlit Panels, Flood Lights, Street Lights, High Bay, Emergency Products, COB downlights, DOB Bulbs, Junction Box Lights
Details of Exports (Products/countries/value etc.)	2x2 and 2x4 Wattage and CCT selectable Backlit Panels, 2x2 and 2x4 Wattage and CCT selectable Troffers, Streetlights, Floodlights
Annual Lighting Turnover (Approx)	250 Cr.
No. of employees	1500
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr. Tej Patel (Director) Email: tej@technoelectromech.com
	b. Mr. Ravi Dubey (Manager – R&D) Email: ravi.dubey@technoelectromech.com
	c. Mr. Himalay Patel (Manager – Sales & Marketing) Email: himalay.patel@technoelectromech.com
	d. -
Regional Offices – Contact person / address	Mr. Himalay Patel / Mr. Tej Patel , Vadodara
Any other information	Head Office: RS No. 858, Opp. GSFC Main Gate, Chhani, Vadodara, Gujarat 391750 Unit-1: RS 328/28 Rasulabad Road, Near Jarod Chokdi, Halol - Vadodara Rd, Waghodia, Vadodara, Gujarat 391510
E-mail	saurabh@technoelectromech.com – CMD nisarg@technoelectromech.com – Director tej@technoelectromech.com – Director himalay.patel@technoelectromech.com – Manager (S&M)
Website:	www.technoelectromech.com

M/S CHENFENG TECH PRIVATE LIMITED

Plot No H2, Dmic Integrated Industrial Township, Greater Noida-201310
TEL:+91 9773559205, +91 8707388411
E-mail: chenfengindia@cnlampholder.com

COMPANY PROFILE:

We are the Indian subsidiary of the world renowned lighting components manufacturer **Zhejiang Chenfeng Technology Co., Ltd.** In India, we had an establishment in dec' 2019 in greater noida, uttar pradesh and catering the needs of all our customers since then.
We have started with led bulb housing series with different models and patented designs that makes our products far superior and Efficient in terms of performance and quality than our competitors.
We are having good capacity of production and continuously increasing it to meet the demand of major giants of lighting industry such as Philips, Osram, Dixon, Orient, Surya, Bajaj etc

ESTABLISHED:

Business Domain	LED Lighting Components and Kits
Product Brand	Chenfeng
Manufacturing Facilities	01
Products Manufactured	LED Bulb Housing, Diffusers, Heat Sinks, etc
Annual Lighting Turnover (Approx)	121 crores
No. of employees	450 nos
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a.
	b.
	c.
	d. Mr Billy (CEO): +91 9773559205 Mr Chetan Dalal (Deputy Manager: Marketing and Sales): +91 8585975789 Mr. Manvendra Yadav (Asst. Manager: Marketing and Sales): 8707388411
Regional Offices – Contact person / address	Plot no H2, DMIC Integrated Industrial Township, Greater Noida-201310 Mr. Billy, CEO
Any other information	Chenfeng has total 147 patents, including 17 invention patents, 112 utility model patents and 18 design patents
E-mail	Chenfengindia@cnlampholder.com In_sales@cnlampholder.com

BEE SURVEILLANCE OF PRODUCTS UNDER STANDARD AND LABELLING (S&L) SCHEME

The article explains in detail the procedure followed for S&L scheme of BEE and its impact on those not complying with the scheme

The S&L Program is one of the major thrust areas of BEE. The Program was launched in 2006 by Ministry of Power. The key objective of this program is to provide the consumer an informed choice about the energy savings and thereby cost saving potential of the relevant star rated appliance/equipment. Under S&L Program, State Designated Agencies (SDAs) are set up at the state level including Union Territories for the purpose of ensuring compliance with energy consumption standards. SDAs are responsible for a) Monitoring and Market Surveillance, b) Enforcement and c) Misuse of Star Label, Search and Seizure

The SDA is responsible for enforcement and related actions to be taken for use of star label without a valid registration or misuse of the label and non-compliance. In such cases, search and seizure of the respective model of the appliance/ equipment is the responsibility of SDA. The SDAs refer the matter to BEE, before any action is taken on filing of any complaint in the court.

The Bureau may use the services of independent third parties called Independent Agencies for Monitoring and Evaluation (IAME). In case an applicant is found issuing misleading advertisement with reference to the BEE star label, BEE may hold/ reject/ cancel any or all model registrations. Monitoring and Verification process is targeted towards appliance and equipment manufacturers, importers, traders, and retailers who have obligations under relevant legislation and regulations.

Monitoring

Monitoring comprises of collection and analysis of data to give an accurate picture of program progress and compliance and is usually an on-going process. It provides the opportunity to identify and act on any implementation issues, as well as providing data for program evaluation.

Monitoring for compliance helps BEE to:

- Determine levels of compliance and identify trends in behavior.
- Detect possible violations or breaches.
- Identify whether, and what type of, education campaigns or enforcement action may be required.
- Assess the effectiveness of the appliance energy efficiency legislation and identify opportunities for improvement.

BEE undertakes a range of activities for compliance monitoring including assessment of information provided in applications for appliance registration, analysis of information gathered from retail, wholesale, and internet outlets, sales literature, and advertisements and analysis of information reported from other sources, such as the general public, industry groups, non-government organizations, other government agencies, and international organizations.

Verification

Verification is the process specified by the standards and labelling program, to determine through testing whether the declared energy performance of equipment available in the market is accurate.

The MV&E framework consists of the key elements as Market Surveillance, Check testing, Challenge testing and Enforcement.

Market Surveillance

The primary aim of market surveillance is to ensure a high degree of compliance with policy intent of S&L Program once the labeled appliance/equipment reach the marketplace. The Bureau/ SDA engages IAME or any other agency to conduct the market surveillance. The market surveillance periodicity may be enhanced based on consumer complaints or feedback.

Market surveillance helps to ensure that:

- All appliance/equipment in the market covered by mandatory labelling display the BEE star label.
- All appliance/equipment in the market with a BEE star label are registered with BEE.
- Fake labels are not displayed on appliance/equipment.
- BEE star labels are displayed correctly on appliances as specified in the relevant appliance/equipment schedule or regulation. The surveillance shall focus on all the appliance/equipment covered under S&L

- including mandatory and voluntary labelling requirements.

Priority criteria for sampling may include, but not limited to:

1. Appliance/equipment with history of non-compliance including customer complaints.
2. Appliance/equipment with high market penetration.
3. Appliance/equipment belonging to very high or very low energy efficiency classes.
4. Purchasing price either very low or very high.
5. Manufacturing place- imported versus nationally manufactured. The surveillance shall be a comprehensive Pan India market research of retailer/dealer/e-market place including their catalogues and websites that sell appliances to assess whether they are providing the labelling details of the appliances.

Check Testing

The check testing of labeled appliance/equipment is conducted in third party NABL accredited laboratories. In case the sample drawn for the first check testing fails, the Bureau or SDA conducts a second check testing.

The permittee/user of the label is informed about the failure of the first check testing and is advised to deposit the cost of the samples, cost of check testing and transport for the second check testing in advance.

- If permittee fails to deposit/pay the expenses, Bureau continues the verification by check/challenge testing and stops further processing of application received for new appliance/equipment's of the respective permittee. Further, the Bureau cancels all labels granted to the permittee after six months from the date of issuance of intimation to permittee to witness challenge testing in accordance with relevant regulations.
- In case the samples are not available in the market and all efforts to trace the samples fail, the Bureau then writes to the permittee to provide that sample, within 3-4 weeks of the date of issuance of such letter. In case the permittee is not able to provide sample for the second check testing, then check testing of the first sample is treated as final and this is binding on the permittee.
- BEE or SDA informs the date of second check testing to the permittee to witness the second check testing. If the permittee is unable to witness the testing, the Bureau or SDA proceeds with testing in the presence of BEE/ SDA personnel and the test result is binding on the permittee. The second check testing will not be done in the lab where first check testing was done. However, in case only one laboratory is empaneled with Bureau for the purpose of check testing for that particular appliance/ equipment then the second check testing shall be done in the same laboratory where the first check testing was conducted.
- On completion of second check testing, BEE/ SDA reviews the test reports.

In case any one or both samples collected for second check test fail, Bureau/ SDA proceed with the following actions:

- Direct the permittee, under intimation to all the State Designated Agencies, that the permittee within a period of two months from the date of issuance of such intimation, shall
- Withdraw all the stocks from the market to comply with the directions of the Bureau and Change the particulars displayed on advertising material.
- Correct the star level displayed on the label of the appliance/equipment or remove the defects and deficiencies found during testing from the existing and new stock.
- Publish, for the benefit of the consumers, the name of the permittee, brand name, model name or model number, logo and other specification in any national or regional daily newspaper and in any electronic or in any other manner as it deems fit within two months.

The permittee within ten days of the conclusion of the period of two months from the date of issuance of intimation is required to send the action taken report on the prescribed format

Where the permittee fails to comply with the directions issued by the Bureau/ SDA, the Bureau/ SDA under intimation to all other State Designated Agencies, shall

- withdraw the permission granted to the permittee
- initiate further adjudication proceedings against the permittee and the trader under section 27 of the Act.

AUTHOR : SANTOSH AGNIHOTRI
CHAIRPERSON, ELCOMA TECHNICAL COMMITTEE GENERAL MANAGERQUALITY & TECHNICAL, ORIENT ELECTRIC LIMITED

SAHASRA SEMICONDUCTORS PVT. LTD.

Plot # B-2, ELCINA Electronics Mfg. Cluster, SPL-1,
Industrial Area Salarpur, Bhiwadi, Dist.- Alwar, Rajasthan-301019, India
Tel: +91 120 2462782/83, E-mail: contact@sahasrasemi.com

COMPANY PROFILE:

Incorporated on 15th July 2020, Sahasra Semiconductors (SSPL) has made significant progress in the past four years as a start up in the semiconductors packaging eco-system. It commenced the first of a kind offering of commercial production of memory packaging for the Indian and Global markets in Q1 2023. SSPL already has the distinction of being one of the only 2 domestic companies approved by GOI for the Specified Electronic Components Segment under the PLI Scheme and SPECS schemes. Other than this SSPL also has customized incentive package approval from state government of Rajasthan. And now it is the first company to bring into India packaging of LED Driver DOB chips for low wattage applications. With initial focus on LED Driver ESOP Chips, RFID DFN chips and Micro SD cards, SSPL will quickly move on to packaging of internal memory products such as eMMC, BGAs, etc that are widely used in laptops, servers, desktop, tablets, mobile phones, drones, industrial electronics, automotive electronics, IOT and several other applications.

Business Domain	Assembly, Packaging and Testing of Ics
Product Brand	Sahasra
Manufacturing Facilities	ELCINA EMC, Bhiwadi, Rajasthan
Products Manufactured	MicroSD, USB, eMMC, LED Driver Chip, RFID DFN
Details of Exports (Products/countries/value etc.)	Micro SD , 5%
No. of employees	25
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. Parvez Khan – Director, Engineering, parvez@sahasraelectronics.com
	b. M. Venodh – Sr. Engineer - Venodh@sahasrasemi.com
	c. Ankur Dwivedi – Key Accounts Manager, ankur@sahasraelectronics.com
	d. Udyan Srivastava – Business Development Manager - udyan@sahasrasemi.com
Any other information	India's First LED Driver IC Packaging company
E-mail	contact@sahasrasemi.com
Website:	www.sahasrasemi.com

AKARUI GREEN ENERGY SOLUTIONS

48/3, 1st 'E' Main Road, Jakkasandra Extension, Koramangala, Bengaluru - 560034,
TEL : +91 80 40930105, E-mail: ajaygupta@akarui.org

COMPANY PROFILE:

We are an ISO 9001:2015 quality certified company engaged in the design and manufacturing of LED lights. We offer a wide range of modern, aesthetically designed, and energy-efficient LED lights for external and internal applications. We are proud to be a part of the international effort to deliver lighting solutions that saves energy and protects the environment.

Our parent company, APEX Luminaries Pvt. Ltd. has a state-of-the-art manufacturing facility in Malur industrial area, Karnataka which enables us to monitor all critical parameters of LED lights. We have been the OEM manufacturers for the top led lighting companies in India - **Crompton, Havells, Halonix, Bajaj, Wipro, Syska, Surya etc.**

Akarui is able to deliver lighting files for every type of LED light that we design and manufacture. The lighting files help customers and architects to plan the placement of lights for the best results. Our lights undergo rigorous testing for extreme temperature and humidity conditions to ensure reliability in all operating conditions. Our product philosophy is to ensure that Akarui lights withstand extreme power supply conditions of overvoltage and surges.

Our product range of LED lights covers most of the outdoor and indoor applications in everyday life. Akarui lights are aesthetic, safe, energy-efficient, non-toxic, and environmentally friendly.

ESTABLISHED: 2015

Business Domain	LED Lighting
Product Brand	AKARUI LED LIGHTING
Manufacturing Facilities	Yes
Products Manufactured	Indoor, Outdoor & Industrial LED Lights
Annual Lighting Turnover (Approx)	12 Cr
No. of employees	20
Directors and their contact details (phone, e-mail, location etc)	1. Ajay Gupta Ajaygupta@akarui.org 2. Chaitra Gupta chaitragupta@akarui.org
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Ajay Gupta - Director +91 9663366901 b. Saroj Kant Nanda – VP Marketing and operations +91 98401 82948
Regional Offices – Contact person / address	Ajay Gupta +91 9663366901
E-mail	ajaygupta@akarui.org

RISHABH INDUSTRIES

Plot No 54 , Mapusa Industrial Estate, Mapusa Bardez,
Goa 403507, Tel: rishabhindgoa@gmail.com

COMPANY PROFILE:

ESTABLISHED:

Business Domain	LED LIGHTS MANUFACTURER
Product Brand	BISTEC
Manufacturing Facilities	SMD MACHINES, ASSEMBLY LINES AND ALL ADVANCED SETUP FOR LED LIGHTS MANUFACTURING
Products Manufactured	LED LIGHTS FIXTURE (TECHINCAL & DECORATIVE) AND DRIVERS
Details of Exports (Products/countries/value etc.)	LED LIGHTS FIXTURES / UAE,DUBAI,EUROPE, ETC.
Annual Lighting Turnover (Approx)	70 CR
No. of employees	250
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. MAYUR JAIN – mayurcenzer@yahoo.com b. SANJAY GUSAIN – sanjay@cenzer.com c. MAYUR JAIN – mayurcenzer@yahoo.com d. HITESH JAIN – hitesh@cenzer.com
Regional Offices – Contact person / address	MAYUR JAIN – CENZER HOUSE, GR FLOOR, GD AMBEKAR MARG, PAREL, MUMBAI-12

LITEX ELECTRICALS PVT. LTD.

W 134 S Block, Midc Bhosari, Pune 411026
Tel: +91 20 66301073/77
E-mail: sales@litexelectricals.com

COMPANY PROFILE:
ESTABLISHED:

Business Domain	Design, Development and Manufacturing of Halogen Lamps, Infrared Lamps, Flash Lamps and Heating Modules
Product Brand	Litex, RadiHeat, Cinolite, Fotolite
Manufacturing Facilities	Capacity of 250,000 IR lamps, Flash Lamps p.a., 120,000 SSTV halogen lamps.
Products Manufactured	Stage/Studio TV Halogen Lamps, Infrared Lamps (Short Wave, Fast Response Medium Wave & Medium Wave) for Industrial Heating, Xenon & Kyrpton Flash Lamps, IR heating modules, Comfort Heaters
Details of Exports (Products/countries/value etc.)	US – Infrared Lamps, Egypt – Infrared Lamps, Israel – Flash Lamps
Annual Lighting Turnover (Approx)	Rs. 8 crores
No. of employees	50
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Dr Avinash D Kulkarni, Chairman (dradk@hotmail.com) b. Dr Sharashchandra V Rajarshi, Director, (svr@litexelectricals.com) c. Mr Shirish V Karkarey, Managing Director svk@litexelectricals.com
E-mail	marketing@litexelectricals.com, sales@litexelectricals.com
Website:	www.litexelectricals.com

MLS INDIA PVT LTD.

Signature Towers, 1201&1202, 12th Floor, Tower A,
South City-1, Gurugram-122003, Tel: 91-124-4867400/01
E-mail: sean.chi@mlsindia.net

COMPANY PROFILE:
ESTABLISHED: 2015 (INDIA OFFICE) 1997 (CHINA OFFICE)

Business Domain	LED components
Product Brand	MLS
Manufacturing Facilities	China (5 factories)
Products Manufactured	LED Components , Tubes, Bulbs
Other Products Traded	NA
Details of Exports (Products/countries/value etc.)	India , Europe , USA
No. of employees	4
Directors and their contact details (phone, e-mail, location etc)	Mr. Krishan Sujan +91 9871675599
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	Mr. Sean.Chi Manager Operations +91 9599696919 / +86 13626680349
E-mail	Sean.Chi@mlsindia.net

INDO JAPAN HOROLOGICALS PVT LTD

Indo Japan House J 1/12 Block-EP Salt Lake Sector-V,
Kolkata 700091, Tel: 033-4068 7043, E-mail: info@indojapan.in

COMPANY PROFILE: Indo Japan Horologicals Pvt Ltd, A company of bothra family, was established in the year 1994. The company was set up for making quartz movements for wrist watches with assistance of citizen watch company limited of japan. Indo Japan has its own facility measuring about 40,000 sq. ft. in Kolkata. In january 2016, it became the first company to successfully **Manufacture SMD LED Chips in India**. in line with 'Make in India', the company aims to deliver best quality products at reasonable prices to meet the demands of Indian and foreign markets.

ESTABLISHED: 1994

Business Domain	Manufacturing of LED (Semi Conductor)
Product Brand	INDO JAPAN LED
Manufacturing Facilities	SALE LAKE SECTOR V, KOLKATA
Products Manufactured	2835, 3030 LED, COB, LED in different wattage, colour, CCT etc & UVC LED, Diodes & Transistors
Details of Exports (Products/countries/value etc.)	Brazil – 2835 SMD LED
No. of employees	40
Single Point of Contact related to a. Industrial Working Group (IWG) b. Technical / R&D/Production c. Exports d. Other contact (With names, designation &E-mail ID)	a. Mayur Bothra, CEO, m.bothra@indojapan.in
	b. Mayur Bothra, CEO, m.bothra@indojapan.in
	c. Ankita Bothra, Director, a.bothra@indojapan.in
	d. -
Regional Offices – Contact person / address	AltF Noida 142 - Ground Floor, Plot No. 21 & 21A, Sector 142, Noida, Uttar Pradesh 201305 Aakanksha Manglani 8820522100, Komal Yadav 8820122100
E-mail	info@indojapan.in
Website:	www.indojapan.in

PROMPT SERVICES

Plot No. L-141, MIDC Area, Ahmednagar – 414 111, Maharashtra, India,
TEL: 9850895772, E-mail: ceo@eetamax.com

COMPANY PROFILE: We are manufacturing of Eetamax brand lighting products. We are into this line since more than two decades.
Our most of the products are with efficasy of 150lm/watt. Mainly used by Industries and praised for it's performance. We have manufacturing capacity of @80.000 nos. lights lanum

ESTABLISHED: 1990

Business Domain	-
Product Brand	Eetamax
Manufacturing Facilities	SMT (Semi Automatic) Line, Assyline Obotometic and Thermal Testing lab
Products Manufactured	HIGHBAYS, STREETLIGHTS, FLOODLIGHTS ETC
Other Products Traded	Battens, Down Lights.
Annual Lighting Turnover	12 Cr.
No. of employees	20 NOS
Single Point Contact Related to **a. Industrial Working Group (IWG)** **b. Technical/R7D/Production** **b. Exports** **c. Other Contact** **(With names, designation & E-mail ID)**	a. Mr. Dilip B. Joshi (CEO), 9850895772 (ceo@eetamax.com)
E-mail	ceo@eetamax.com
Website	www.eetamax.com

JUST ABOUT POWER-JAP

178, Patparganj Industrial Area, Delhi 110092
TEL: 01140584111, E-mail: info@justaboutpower.com

COMPANY PROFILE: https://prezi.com/view/hECjvcgycKVf8M5smiFD/
ESTABLISHED: 2017

Business Domain	LED Drivers Manufacturing
Product Brand	Just About Power - JAP
Manufacturing Facilities	Delhi
Products Manufactured	LED Drivers, SPD, LED Streetlights
Other Products Traded	BLDS Fans
Details of Exports (Products/countries/value etc.)	Smart SPD, Israel, Central America, China
Annual Lighting Turnover (Approx)	5 Cr.
No. of employees	20
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact (With names, designation &E-mail ID)**	a. - b. Gagandeep Garg, Manager, Nanager@justaboutpower.com c. Deepak Agarwal, deepak@justaboutpower.com d. -
Regional Offices – Contact person / address	Dr. Deepa Agarwal/ 178 Patparganj Industrial Area
E-mail	info@justaboutpower.com
Website	www.justaboutpower.com

MERCURY LAMPS PVT. LTD.

64, Laxman Jhoola Road, rishikesh-249201 (UTTARAKHAND)
Tel:0135-2430168 & 2432168, E-mail: mlplrishikesh@gmail.com; mercurylampspvtltd@gmail.com

COMPANY PROFILE:
ESTABLISHED:

Business Domain	All India
Product Brand	N.A.
Manufacturing Facilities	Fully automatic Plant
Products Manufactured	GLS Lamps ranging 25W to 200W
Other Products Traded	N.A.
Details of Exports (Products/countries/value etc.)	N.A.
Annual Lighting Turnover	Rs. 20Crores (approx.)
No. of employees	40 Nos.
Directors and their contact details (phone, e-mail, location etc)	1. Sri V.K. Agarwal, Director 2. Smt. Shobha Rani Agarwal, Director
Contact Persons for **a. Business Development** **b. Exports** **c. Production** **(With names, designation & Addresses)**	a. Mr. S.K. Bansal, Director b. -do- c. -do- 64, Laxman Jhoola Road, RISHIKESH-249201.
Regional Offices – Contact person / address	NA
E-mail	mlplrishikesh@gmail.com, mercurylampspvtltd@gmail.com

ASHOKA INDUSTRIES

D–130,131 Sector – 7 Noida 201301 Uttar Pradesh India,
Tel: +91-9810044189, +91-9910044189, +919810079295
E-mail: info@ashokaallied.com

COMPANY PROFILE:

Since 1980 , Ashoka is north India's most reputed & leading manufacturer of top quality specialized sheet metal components, plastic moulded components, electrical wires, cables, harness cords & plugs as per BIS & UL standards .

Ashoka has been providing end-to-end high-quality products and customer service, thus maintaining a reputation in the market. Our company has been accredited to iso 9001:2015 by IAS USA and recognised by international accreditation forum, this reflects ashoka uncompromising dedication to meet the client's requirements, upholding the highest quality of national & international standard and continuously improving processes throughout our organization.

It is our promise to our clients that best quality products will be delivered on time with highest quality management principles and by utilizing a process-driven methodology. We use high-grade and quality raw materials from various reputed manufacturers in national and international markets. As our customer base and business ventures are increasing day by day, we have been investing in various r&d to come up with new ideas & facilities to fulfill our customer needs.

ESTABLISHED: 1980

Business Domain	MANUFACTURER
Product Brand	ASHOKA
Manufacturing Facilities	2 MANUFACTURING UNITS
Products Manufactured	1. SHEET METAL COMPONENTS 2. PLASTIC INJECTION MOULDING COMPONENTS 3. WIRES , CABLES AND HARNESS AS PER IS & UL STANDARDS 4. PLUGS & CORDS
No. of employees	AROUND 150 -170
Single Point of Contact related to **a. Industrial Working Group (IWG)** **b. Technical / R&D/Production** **c. Exports** **d. Other contact** **(With names, designation &E-mail ID)**	a. Mr ANSHUL MITTAL, +91-9810044189 b. Mr ANKUR MITTAL, +91-9910044189 c. Mr ATUL MITTAL, +91-9810079295 d. -
E-mail	info@ashokaallied.com, ashoka.industries@hotmail.com
Website:	www.ashokaallied.com

SHAPING A BRIGHTER TOMORROW: THE CIRCULAR ECONOMY REVOLUTION IN THE LIGHTING INDUSTRY

An article that highlights the paradigm shift to a Circular economy in the future of Lighting Industry

In a world that is becoming increasingly conscious of its environmental footprint, industries are seeking innovative ways to transform their practices. The lighting industry, a cornerstone of modern living, is no exception. Embracing the principles of the circular economy, it is evolving to illuminate our lives more sustainably and responsibly.

A Paradigm Shift in Illumination: From Linear to Circular

Traditionally, the lighting industry followed a linear model that consisted of manufacture, consume and dispose off. However, this linear approach has proven unsustainable, leading to resource depletion, environmental degradation and a growing waste problem. Enter the circular economy, a model designed to minimize waste and make the most of resources. In the lighting industry, this shift involves reimagining the lifecycle of lighting products. Manufacturers are now exploring ways to design products with longevity in mind, making them easier to repair, upgrade and ultimately, recycle.

Designing for Durability and Efficiency

Circular economy principles encourage the production of durable and energy-efficient lighting solutions. Manufacturers are investing in research and development to create products that not only shine brightly but also have extended lifespans. LED technology, with its low energy consumption and long lifespan, has become a frontrunner in the quest for sustainable lighting.

Additionally, modular design is gaining popularity, allowing components to be easily replaced or upgraded. This not only reduces the need for frequent replacements but also minimizes electronic waste.

Closing the Loop: Recycling and Upcycling

The circular economy isn't just about extending the life of products; it's about what happens when they reach the end of their lifecycle. Recycling initiatives are gaining momentum, with companies exploring ways to collect and recycle old lighting fixtures. Materials such as aluminium, glass, and certain plastics can be reclaimed and reused, reducing the demand for virgin resources.

Moreover, some manufacturers are embracing upcycling—the process of transforming waste materials into new, higher-value products. Old lighting fixtures can find new life as unique and artistic pieces, further reducing the environmental impact.

From Ownership to Service Models

A radical shift in consumer behaviour is also contributing to the circular economy in the lighting industry. Instead of owning lighting products outright, consumers are increasingly turning to service models. Lighting as a Service (LaaS) allows users to pay for the illumination they need without the burden of ownership. This encourages manufacturers to design products that can be easily recovered, refurbished and reused in a continuous loop.

Challenges and Opportunities

While the circular economy brings immense promise to the lighting industry, it is not without its challenges. Implementation requires collaboration across the entire value chain, from manufacturers to consumers. Standardization of materials and recycling processes is crucial for efficiency.

However, the rewards of embracing circular economy principles are worth the effort. Beyond environmental benefits, companies can find new business opportunities, reduce operational costs, and strengthen their brand image by aligning with sustainability goals.

The transition to a circular economy in the lighting industry represents a beacon of hope for a more sustainable future. As manufacturers, consumers, and policymakers collaborate to illuminate the path forward, the industry is not just lighting up spaces but also lighting the way for a brighter, more sustainable tomorrow.

AUTHOR : PRASHANT THORAT. HEAD OF MARKETING, PROFESSIONAL LIGHTING, BAJAJ ELECTRICALS LIMITED

PRODUCTION LINKED INCENTIVE SCHEME (PLI-WG) FOR LEDS

An article that highlights the paradigm shift to a Circular economy in the future of Lighting Industry

India is progressing on the ideology of an “Atmanirbhar Bharat” to strengthen the micro and medium enterprises which manufacture indigenous goods. With the advent of technological transformation and globalization across countries trade has set off exchange of goods and services prompting wide variety of choices for the consumers. However, over the years the demand of indigenously manufactured goods decreased due to global competitiveness and cheaper prices. Indian government launched Production Linked Incentive Scheme to incentivize the local manufacturers by providing them financial support and friendly business environment to flourish eventually. The Department for Promotion of Industry and Internal trade (DPIIT) announced this scheme for 14 sectors in April 2021.The scheme is to be implemented over a seven-year period, from FY22 to FY29 and has an outlay of Rs 6,238 crore. The purpose of PLI Scheme is to fortify the global supply chains and put Indian manufacturing Industry as the core exporting nation. The factors like economies of scale, innovative technologies and financial security will boost productivity across industries reducing sectoral disabilities and increment in efficiency. As the nation drives for a resilient manufacturing hub this initiative is a breakthrough for the small industries thriving to survive and expand their production.

The target group for PLI-WG consist of white goods denoting the large home appliances which were traditionally available in white only. The products included in PLIWG are Air conditioners and LED lights comprising of air conditioner components, high value intermediates (Copper tubes, Aluminum foils and compressors), low value intermediates, LED Lighting Products, LED Chips, LED Drivers, LED Engines, Mechanicals, Packaging, Modules, Wire Wound Inductors , LED Chip Packaging, Resisters, ICs, Fuses etc. To be eligible for the PLI benefits, a company must make Greenfield or brownfield investments. A company must fulfil the threshold of both cumulative incremental investments and incremental sales over the base year.

LED Lighting

The LED Lights industry in India spans automotive, general, and backlighting for commercial, residential, and industrial use. The LED Lighting Industry is categorized by application (residential, commercial, industrial, and street lighting) and product type (lamps and luminaires). Market players, including Signify N.V., Havells India Limited, SYSKA, Wipro Ltd., and Bajaj Electricals Ltd, are adopting strategies like innovation and partnerships to expand their geographic reach and maintain a competitive edge. The Production-Linked Incentive (PLI) initiative aims to boost local value addition from 25% to 85% by 2028, covering 87% of the LED sector's Bill of Material.

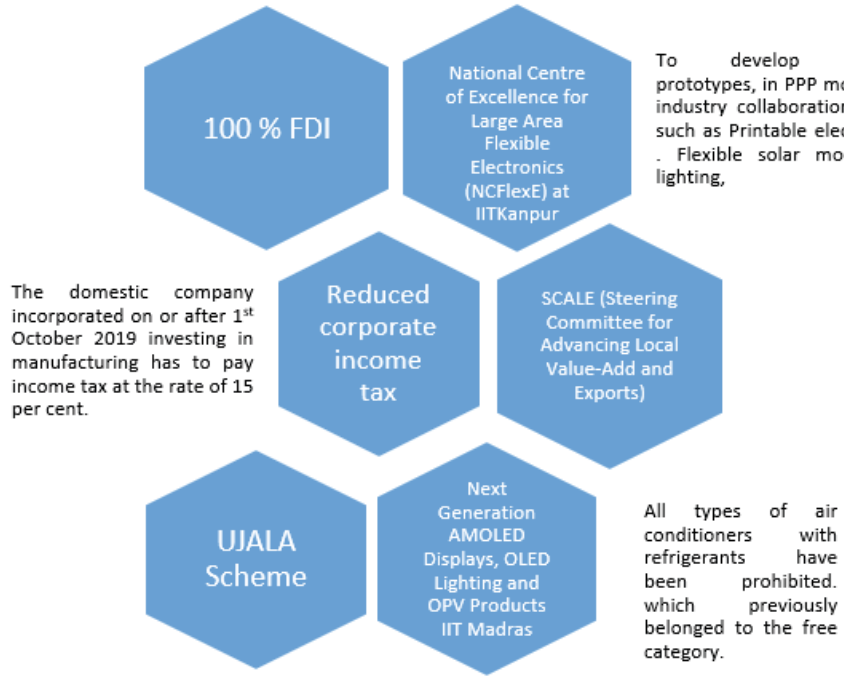
Government Initiatives

Ujala (Unnat Jyoti by Affordable LEDs for All) : The main driver of India's rapid market creation was this scheme, launched in 2015 with a target of replacing 770 million incandescent lamps with LED bulbs and the Electricity Distribution Company and Energy Efficiency Services Limited (EESL) was appointed the task of implementing this program. It guarantees the consumers minimum of 2 and a maximum of 10 LED bulbs, depending on the region. Under the scheme, 20W LED tube lights and BEE 5-star rated energy efficient fans are also distributed to the consumers which is 50% and 30% more energy efficient than the conventional tube lights and fans available in market.

Street Lighting National Program (SLNP) : The Smart LED Street Lights National Programme (SLNP), initiated by the Ministry of Power, aims to replace conventional street lights with energy-efficient LEDs nationwide. EESL has installed over 1.32 crore LED streetlights in urban local bodies (ULB) and gram panchayats. Eventually, it has helped in reducing GHG emissions to 6.15 million tons CO2 per year and has resulted in energy savings of 8.92 billion kWh per year. By 2024, it is expected to install additional 1.6 crore LED streetlights. This initiative has created jobs, aligning with the Make in India campaign.

Indian LED Market

LED lightening is a potent semiconductor source converting electrical energy into light. LED lights are known for their energy efficiency, consuming 75% less power and lasting 25 times longer than incandescent bulbs. Compared to fluorescent lights, LEDs use up to 60% less electricity and have a three times longer lifespan, offering significant advantages. India boasts one of the largest lighting markets globally, presenting a compelling opportunity for LED manufacturers to establish facilities due to factors like skilled labor, business-friendly practices, and demographic



advantages, fostering sustainability in the LED industry. General lighting, backlighting, signal, and signage are common LED applications in India. Furthermore, innovations in the commercial lighting market is influenced by factors like energy cost reduction and thus offers a means of upgrading LED lights to the consumers requirement. It also provides a convenient way to enhance the interior environments with advancements such as artificial intelligence to optimize functionality. India's biggest export destinations in white goods are United Arab Emirates, Sri Lanka, and the United States. India's imports primarily come from China, Thailand, and Vietnam in the sector. Due to several favorable factors, LED lights are swiftly replacing traditional bulbs in India. The versatile application of LEDs in medical devices, automotive, aviation, entertainment etc. is driving the market's expansion. Rapid urbanization, surge in infrastructure development, including highways, commercial malls, and airports, further fuels this demand.

India's LED lighting market size alone is expected to reach $2.68 billion by 2029, at a CAGR of 9% from 2022 to 2029, as per GreyViews, a market research firm. The Production-Linked Incentive (PLI) scheme aims to boost core components like LED Chip Packaging, Resistors, ICs, Fuses, and others, encouraging a robust ecosystem and increasing value addition to 40-45% in LED lights. This initiative is expected to positively impact the automotive sector, projected to grow at a 21% CAGR. Over five years, the PLI scheme is estimated to result in over $23 billion in incremental production, exports exceeding $8.8 billion, and the creation of four lakh direct and indirect employment opportunities.

Challenges

Though Indian LED market has come a long way in the last decade but still India remains a net importer of LED bulbs. The LED industry lacks strong linkages with the research and development labs, manufacturing units and supply chain management. Strong multifaceted policies to distribute bulbs to local households and work on innovative production at the manufacturing end is required essentially. Many new manufacturers cannot avail the benefits of the PLI-WG scheme due to ineligibility to cross the threshold decided for minimum requirement. State governments need to introduce lightening specific policies to escalate the supply of LEDs and reduce the regional imbalance.

Way Forward

It is estimated that India annually imports LED Lights components valued at approximately INR 12,000 crore. According to Report by Grand View Research, Global LED lighting market was approximately USD 50.91 billion in 2020 and is expected to grow to approx. USD 135.58 billion by 2028 at CAGR of 12.5%. Improvement in bulb quality and focus on long term planning and favorable government initiatives with international treaties can reinforce domestic lightening industry with substantial support and resources to expand their output and sales worldwide.

Conclusion

LED usage has become widespread, particularly among the middle class, due to its affordability, cost-effectiveness and growing awareness. Recognized for its efficiency and durability, LED lighting has become a smart solution. Constant efforts of Indian government to reinvigorate the manufacturing sector has turned out to be successful. PLI scheme has undoubtedly contributed in increasing its global share in lightening industry. With further collaboration and innovation Indian industry can extend its services effectively.

AUTHOR : DR. B.K.PANDEY,
PROFESSOR OF PRACTICE
(ECONOMICS), AJNIFM

ELCOMA VISION 2030

A roadmap for Indian Lighting Industry for Innovation and Education

VISION

SELF RELIANCE

To create a futuristic self-reliant Lighting Industry by 2030 with learning on Innovative Intelligent and connected LED Lighting

CREATE

A world class centre of Excellence for R&D on Digital Products and Training on new technologies

GROWTH

Achieve Industry growth of CAGR 10% by 2030 based on government initiatives to increase per capita public light points

EXPORT PROMOTION

With adequate support of the government, make India as an export hub for Lighting products and capture at least 10% of Global Lighting market by 2030

MISSION

Ensure participation of all ELCOMA members on Innovation and Learning on new technologies and government to invest heavily in Infrastructure to achieve ELCOMA's vision

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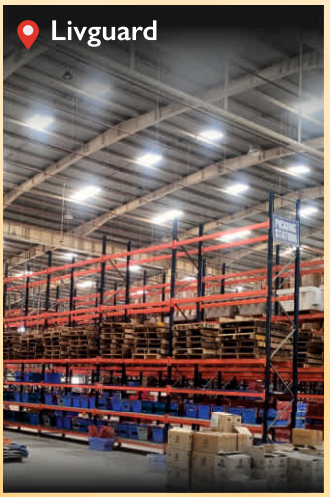

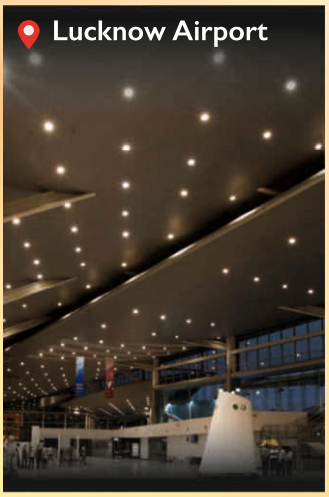


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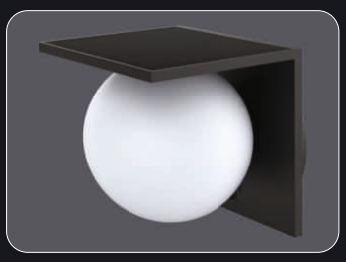

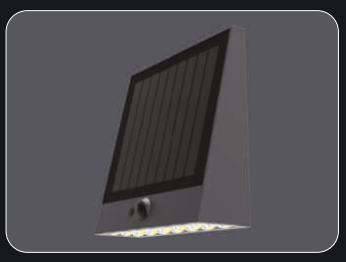

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