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**Halonix Technologies Pvt. Ltd.**

B-31, Phase-II, Noida, Dist. Gautam Budh Nagar, (U.P), Pin Code - 201305. Tel.: +91-120-4756100 | Fax: +91-120-4756101  
Toll Free No.: 1800-103-6564 | E-mail: [customercare@halonix.co.in](mailto:customercare@halonix.co.in) | Website: [www.halonix.co.in](http://www.halonix.co.in)

## PRESIDENT'S MESSAGE

I am pleased to release 7th edition of Elcoma members' Directory for the year 2018-2020. ELCOMA Secretariat has put in lot of efforts in compiling this directory.

Lighting industry in the last few years, has been undergoing a massive change as LED is penetrating at Lightning speed, while, all other conventional lighting sources are getting marginalized and extinct.

This is happening all over the world. In India, however, pace seems to be faster than most of the other developing countries as the Central Government is proactively supporting replacement by creating a public distribution system for LED retrofit lamps through EESL.

While this initiative of Central Government, has helped the industry to scale up the business operation faster and bring down the input cost, resulting into reduction of selling price but on the flip side, the market has become more competitive due to reduced consumer price making LED products more affordable.

In 2013, Elcoma prepared a Vision 2020 document which programmed to reduce power consumption in lighting sector from present 18% to 13% thus saving more than 27000 mega watt power. The government in 2014 adopted this plan and appointed Energy Efficiency Services Limited (EESL) to execute the same.

Owing to better performance, existing street lights are being replaced with LEDs. Many states are joining hands with EESL while industry is opting such replacement through ESCO model. This would not only reduce power consumption but also improve longevity and improved lighting level at night.

It is challenging and competitive time for the industry and existing lighting companies as new players are entering this arena with newer competencies and more cost effective business models. Elcoma is looking at Futuristic Intelligent Lighting which is a challenging segment and we are preparing to face this.

Elcoma, as usual, shall keep playing its pivotal role of bringing awareness on energy conservation by organizing various workshops, seminars and exhibitions to promote efficient lighting.

No publication can be successful unless it meets with the requirements of the industry. I request you to please interact with the ELCOMA Secretariat with your suggestions and ideas to improve the directory and make it more informative in future.

I thank all Elcoma members, advertisers, contributors of articles, printer whose support has enabled us to bring out this valuable guide for all stake holders.



RAJU BISTA  
President, ELCOMA



# ELCOMA OFFICE BEARERS 2018-20



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Vice President, ELCOMA



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Treasurer, ELCOMA



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Secretary General, ELCOMA



**Mr. Sunil Sikka**  
Advisor, ELCOMA

## Electric Lamp & Component Manufacturers' Association of India

202, 2nd Floor, DLF Tower-A, Jasola District Centre,  
Jasola Vihar, New Delhi-110025

Tel: +91-11-41556644/46604947 Fax : +91-11-46577582

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16	Member	Mr. Rajesh Uttamchandani	SYSKA LED Lights Pvt. Ltd., Pune
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20	Member	Mr. E. Sivaramakrishnan	Luker Electric Technologies Pvt. Ltd., Kochi

# ELCOMA MEMBERS' LIST

Sr No	Company	Tel & Mob	Fax	E-Mail	Address
1	<b>Alien Energy Pvt. Ltd.</b>	011-22372828	011 22375994	akash2316@gmail.com	A-16/6 OMSAI Complex, Site - 4, Industrial area, Sahibabad, Ghaziabad, 201010, Uttar Pradesh
		7840047512 / 26	011 22375994		28, Rishab Vihar, Karkardoona, New Delhi, 110092, Delhi
2	<b>Anchor Electricals Pvt. Ltd.</b>	022-30418710 /022-30418888	022-30418885	rohit.patel@anchor-world.com	Steel House, "B" Wing, Plot No.24, Mahal Indl. Estate, Mahakali Caves Road, Near Paper Box, Andheri (E), Mumbai, 400093, Maharashtra
		02832-320627	02832-270099	subarao.cheeday@anchor-world.com	Sr. No.234-236, (Vill) Lakhond, (PO:Kumka, Ta) Bhuj (Distt.), , Kutch, 370 105, Gujarat
3	<b>Arvind Press Caps Ltd.</b>	01493-220213	01493 220295	apclexp@rediffmail.com	E-337, RIICO Ind. Area, Bhiwadi (Dist.Alwar), 301019, Rajasthan
		01493-220213	01493 220295	shaleenkaushik@apclnewar.co.in	E-337, RIICO Ind. Area, Bhiwadi (Dist.Alwar), 301019, Rajasthan
4	<b>Atco Controls (India) Pvt. Ltd.</b>	022-22025528	022-22022304	bhavin@atcocontrols.com	38-B Nariman Bhavan, Nariman Point, Mumbai, 400021, Maharashtra
5	<b>Autonix Auto Industries Pvt. Ltd.</b>	0120- 4218575/76		info@autonixonline.com	C-12&13, Phase-2, G.B. Nagar, Noida, 201305, U.P
					C-12&13, Phase-2, G.B. Nagar, Noida, 201305, U.P
6	<b>Ashoka Industries</b>			ashoka.industries@hotmail.com	D-129,130,131 Sector-7, Noida, 201307, U.P
		0120-4117177		ashoka.industries@hotmail.com	D-129,130,131 Sector-7, Noida, 201307, U.P
7	<b>Bajaj Electricals Ltd.</b>	022-24064200/022-24064000/022 22043841	022-24064003/022 22851279	patkar.mankesh@bajajelectricals.com	701, 7th Floor, Rustomjee Aspiree, Bhanu Shankar Yagnik Marg, Off Eastern Express Highway, Sion (East), Mumbai, 400022, Maharashtra
		022-61982085/022-24064000/022 22043841	022 24064003/022 22851279	raja.mukherjee@bajajelectricals.com	701, 7th Floor, Rustomjee Aspiree, Bhanu Shankar Yagnik Marg, Off Eastern Express Highway, Sion (East), Mumbai, 400022, Maharashtra
8	<b>BAG Electronics India Pvt. Ltd</b>	020-30450700/020 -67551701	283610	b.praveen@bagelectronics.com	Survey No. 19, Yewalewadi, Kondhwa Road, Pune-411048, Maharashtra, 411048, Maharashtra
				m.joshi@bagelectronics.com	
9	<b>CEMA Electric Lighting Products India Pvt. Ltd.</b>	0484-2809341, 6464955	283610	nandakumar@marutiuslighting.com	34/389-B & C, Mullassery, Padivattom, Edpally P.O. , Cochin-24
		011 4302 3439	011 4302 3437	ramesh@cemalighting.com	804, 8th Floor, Ansal Vikas Deep Building, Plot No. 18, Laxmi Nagar, Distt. Centre, New Delhi, 110092, Delhi
10	<b>Crompton Greaves Consumer Electrical Ltd.</b>	02662-245245/245001, 022-61678499	022-25787283	rajesh.naik@crompton.co.in	Lighting Division. Village : Kural, Taluka, Padra, Distt: Baroda, Gujarat, 391430, Gujarat
		02662-245304/022-61678499	02662-245003	mathew.job@crompton.co.in	Lighting Division. Village : Kural, Taluka, Padra, Distt: Baroda, Gujarat, 391430, Gujarat
11	<b>Calcom Vision Ltd.</b>	011-24331217/0120-2569761		skmalik@calcomindia.com	B-16, Site C, Surajpur Industrial Area, Gautam Budh Nagar UP 201301, New Delhi, 110024, Delhi
12	<b>Compact Lamps Pvt. Ltd.</b>	011-42965500	011-42430703	kapil@ultracfl.com	C-8, Sector-3, Noida, UP, 201301, UP
					C-8, Sector-3, Noida
13	<b>Captain Gears &amp; Fans</b>	0120-4203318/19		surinder@compactlighting.net	D-35, Sector-11 , Noida, 201301, U.P
		0120-4203318/19		chandni@compactlighting.net	
14	<b>C&amp;S Electric Ltd.</b>	0120-3874869/0120-3874851		sanjeev.kumar2@cselectric.co.in	C-60, Wing -B, Part-1, Phase-2, Noida, 201305, U.P
15	<b>Century LED Limited</b>	033-30554060		ak@centuryled.in	HMP House, 2nd Floor, 4 Failie Place, Kolkata, 700001, West Bengal
		033-2669-5591		gopal.singh@centuryled.in	HMP House, 2nd Floor, 4 Failie Place, Kolkata, 700001, West Bengal
16	<b>Dixon Technologies (I) Pvt. Ltd.</b>	95120 2568757	95120 2562681	sunilvachani@dixoninfo.com	B-14/15, Phase-II, NOIDA, 201305, U.P.
		95120 2562819	95120 2562681	atulall@dixoninfo.com	B-14/15, Phase-II, NOIDA, 201305, U.P.

# ELCOMA MEMBERS' LIST

Sr No	Company	Tel & Mob	Fax	E-Mail	Address
17	<b>Devtech M2M Limited</b>	020-30516199	020-30516161	snehal@devtechm2m.com	SAVA House, 4th Floor, Off New Aiport Road, Viman Nagar, Pune, 411014, Maharashtra
		020-30516199	020-30516161	vinod@devtechm2m.com	SAVA House, 4th Floor, Off New Aiport Road, Viman Nagar, Pune, 411014, Maharashtra
18	<b>Ecolite Technologies</b>	0124-4566515/ 0124 4845440	0124-4566510	amit.gupta@ecolitechnologies.co.in	139 N, Sector-7, Part II, IMT, Manesar, Gurgaon, 122050, Haryana
19	<b>Eveready Industries India Ltd.</b>	033-24864961 033-24559213/ 30587822		amit.pandey@eveready.co.in	2, Rainey Park, Kolkata, 700 019
		033-24864961 033-24559213/ 30587822	033-24864673	partha.biswas@eveready.co.in	2, Rainey Park, , 700 019, Kolkata
20	<b>Fiem Industries Ltd.</b>	0130-2219172-76/ 0130-2367905	0130-2219179/ 0130-2367903	fiemunit1@fiemindustries.com	Corporate office & Unit 1, 32 milestone, GT Road, Kundli, Sonapat, 131028, Haryana
		0130-2367905/ 06/07/08	0130-2367903	s.narayanan@fiemindustries.com	Corporate office & Unit 1, 32 milestone, GT Road, Kundli, Sonapat, 131028, Haryana
21	<b>FULHAM INDIA PVT. LTD.</b>	022 66388775/76	022 66388778	gmalkani@fulham.com	01, Sukhada Bldg. Ground Floor, Sir Pochkhanwalla Road, Worli, Mumbai, 400030, Maharashtra
		020-24690703 / 4		sghose@fulham.com	S. No. 26/3, Village Narhe Tal - Haveli, Pune, 411041, Maharashtra
22	<b>Halonix Technologies (P) Limited</b>	0120-4756103/ 0120-4656300	0120-4756101/ 011-23232639	rakesh.zutshi@halonix.co.in	B -31, Phase II, Noida, 201305, U.P.
		0120-4756107	0120-4756101	kumar.gaurav@halonix.co.in	B -31, Phase II, Noida, 201305, U.P.
23	<b>Hartech Electronics</b>	0120-4352624	0120-4352623	hs@hartechglobal.com	A-18, Hosiery Complex, Phase-II Extn., Noida, 201305, U.P.
		0120-4352623	0120-4352623	amarjeet@hartechglobal.com	A-18, Hosiery Complex, Phase-II Extn., Noida, 201305, U.P.
24	<b>Havells India Limited</b>	0120-4771000/ 0120-3331000	0120-3332000	anil.bhasin@havells.com	QRG Towers, 2D, Sec 126, Expressway, NOIDA, 201304, U.P.
		0120-4771000/ 0120-3331000	0120-3332000	ajay.saraf@havells.com	QRG Towers, 2D, Sec 126, Expressway, NOIDA, 201304, U.P.
25	<b>Hind Lamps Ltd</b>	05676-234862	05676-234300	cmd@bajajelectricals.com	C/o Bajaj Electricals, 51, Mahatma Gandhi Rd, Mumbai, 400023, Maharashtra
		05676-234501-503	05676-234300	hindlamps@hindlamps.com	Hind Lamps Ltd., Shikohabad, 205141, UP
26	<b>HPL Electric &amp; Power Pvt. Ltd.</b>	011-23234411	011 23232639	gautamseth@hplindia.com	1/21, Asaf Ali Road, New Delhi, 110002, Delhi
		0120-4656300		sunnysehgal@hplindia.com	"Windsor Business Park, B1D, Sector-10", Noida, 201301, UP
27	<b>H.Q. Lamps Manufacturing Co. Pvt. Ltd</b>	0120-4895850	01334-230728	rakesh@hqlamps.in	A-77, 2nd Floor, Sector -2, Noida, 201301, UP
		0120-4895850	01334-230728	sanjivkumar@hqlamps.in	A-77, 2nd Floor, Sector -2, Noida, 201301, UP
28	<b>Eon Electric Ltd.</b>	0120-3096800/ 0120-3096765	0120 3096800	vpmahendru@eonelectric.com	B-88, Sector 83, , Noida, 201305, U.P.
		0120-3096800/ 0120-3096765	0120 3096800	vinaym@eonelectric.com	B-88, Sector 83, , Noida, 201305, U.P.
29	<b>Ibahn Illumination Pvt. Ltd</b>	07290-070893		rajeevc@svarochi.com	T-1, 2nd Floor, Okhla Phase-2, New Delhi, 110020, Delhi
		7290-070-893/ 7290-070-895		arjuns@svarochi.com	T-1, 2nd Floor, Okhla Phase-2, New Delhi, 110020, Delhi
30	<b>Jaquar and Company Pvt. Ltd</b>	0124-474800		mohit.sharma@jaquar.com	Plot No. 3, Sector-11, IMT Manesar, Gurgaon, 122050, Haryana
		0124-474800		gaurav.bhalla@jaquar.com	Plot No. 3, Sector-11, IMT Manesar, Gurgaon, 122050, Haryana

# ELCOMA MEMBERS' LIST

Sr No	Company	Tel & Mob	Fax	E-Mail	Address
31	<b>Keslec Schreder Pvt. Ltd.</b>	011- 4162 9828/ 0129-4117388/ 0129-4022804	129 4117 389	chekitans@keselec.com	210, Charmwood Plaza, Eros Garden City, Charmwood Village, Suraj Kund Road, Faridabad, Faridabad, 121009, Haryana
		011- 4162 9828/ 0129-4117388/ 0129-4022804	129 4117 389	amits@keselec.com	55, Industrial Area, NIT, Faridabad, Faridabad, 122001, Haryana
32	<b>Kwality Photonics Pvt. Ltd.</b>	040-27123555/ 040-64621946	040-27124762	kwality@kwalityindia.com	29 Electronic Complex Kushaiguda, Hyderabad, 500062, A.P.
		040-27123555/ 040-64621946		kwalitypolywa@gmail.com	29 Electronic Complex Kushaiguda, Hyderabad, 500062, A.P.
33	<b>Litex Electricals Pvt. Ltd.</b>	020-66301072/73		dradk@hotmail.com	
		020-27120350	020-27120056	skarkarey@hotmail.com	W-134 S Block, MIDC, Bhosari, Pune, 411026, Maharashtra
34	<b>Lighting Technologies India Pvt. Ltd.</b>	080-67303700		hari.nkv@ltcompany.com, info@ltcompany.com	No. 40, Jignani Industrial Area, 1st phase, Sy. No. 5927124, Jignani Village & hobli, Anekal Taluk, , Bangalore, 560105, Karnataka
35	<b>LEDVANCE Private Limited</b>	0124-4150100	0124-4081577	r.ludwig2@ledvance.com	11th fir. Signature Tower B, South City, Gurgaon, 122001, Haryana
		0124-4081581	0124-4081577	b.kasturia@ledvance.com	11th fir. Signature Tower B, South City, Gurgaon, 122001, Haryana
36	<b>Luker Electric Technologies Pvt. Ltd.</b>	0484-3368331/ 32/33/34/35		jk@lukerindia.com	2nd Floor, Jain Tower, NH Bye pass road, Opp lulu Mal, , Kochi, 682024, Kerela
		0484-3368331/ 32/33/34/35		srk.luker@gmail.com	2nd Floor, Jain Tower, NH Bye pass road, Opp lulu Mal, , Kochi, 682024, Kerela
37	<b>Luminous Power Technologies Pvt. Ltd.</b>	18001033039		naveen.saxena@luminousindia.com,	Plot no. 150, Sec-44, , Gurgaon, 122003, Haryana
		18001033039		narayanaswamy.ramakrishnan@luminousindia.com	Plot no. 150, Sec-44, , Gurgaon, 122003, Haryana
38	<b>Mercury Lighting Pvt. Ltd.</b>	0135-2430168	0135-2432198	mercurylamps@sancharnet.in	64, Laxman Jhula Rd., Rishikesh, 249201, Uttranchal
		0135-2430168	0135-2432198	mercurylamps@sancharnet.in	64, Laxman Jhula Rd., Rishikesh, 249201, Uttranchal
39	<b>Mithabi Lamps (P) Ltd.</b>	0129-4086497/ 0129-5043046	0129-5043046	mithabi@fokallamps.com	497, Sector - 14, Faridabad, , Haryana
		0129-4085497		info@jsslampsindia.com	497, Sector - 14, Faridabad, , Haryana
40	<b>Moser Baer India Ltd.</b>	0120 4386881		rahul.agrawal@moserbaer.in	66 Udh yog Vihar, Greater Noida, Noida, 201308, UP
		011-40594444	011-41635211	khemchandani@moserbaer.in	66 Udh yog Vihar, Greater Noida, Noida, 201308, Up
41	<b>MLS India Pvt. Ltd.</b>	0124-4867400/ 401		krishan.sujan@mlsindia.net	714, 7th Floor, DLF Star Tower, Sec- 30, NH-8, Gurugram, 122003, Haryana
		0124-4867400/ 401		ita.lin@mlsindia.net	714, 7th Floor, DLF Star Tower, Sec- 30, NH-8, Gurugram, 122003, Haryana
42	<b>NTL Lemnis India Pvt. Ltd.</b>	0120-4008888	0120 4281822	arun.gupta@ntlelectronics.com	B-10, Sector 58, NOIDA, 201301, U.P.
		0120-4008888	0120 4281822	tushar.gupta@ntl-lemnis.com	B-10, Sector 58, NOIDA, 201301, U.P.
43	<b>Orient Electric</b>	011-40507000	011 40507004	puneet.dhawan@orientelectric.com	CK Birla Group, 82, 2nd Floor, Okhla Phase III, New Delhi, 110020, Delhi
					C-130, Sector 63, , Noida, 201301, Delhi
44	<b>OSRAM Lighting Private Limited</b>	0124-6261300	0124-6261309	avinder.singh@osram.com	1st Floor, Plot No. 03, Sector-32, IFFCO Surinder Jhakar Bhawan, , Gurgaon, 122001, Haryana
		0124-6261300		n.saxena@osram.com	1st Floor, Plot No. 03, Sector-32, IFFCO Surinder Jhakar Bhawan, , Gurgaon, 122001, Haryana
45	<b>Philips Lighting India Limited</b>	0124-4606260/ 4606000	0124-4606666	sumit.joshi@philips.com	8th Floor, DLF -B, DLF Cybercity, DLF Phase-3, Gurgaon, 122002, Haryana
		0124-4606260/ 4606000	0124-4606666	sukanto.aich@lighting.com	9th Floor, DLF -B, DLF Cybercity, DLF Phase-3, Gurgaon, 122002, Haryana

# ELCOMA MEMBERS' LIST

Sr No	Company	Tel & Mob	Fax	E-Mail	Address
46	<b>PG Electroplast Ltd.</b>	0120-2569841	0120-2569131	pg@pgel.in	P-4/2 to P-4/6, Site B, UPSIDC Industrial Area, Surajpur, Greater Noida , Noida, 201306, U.P.
		0120-2569841	0120-2569131	vikas@pgel.in	P-4/2 to P-4/6, Site B, UPSIDC Industrial Area, Surajpur, Greater Noida , Noida, 201306, U.P.
47	<b>Rishab Industries Ltd. (Cenzer)</b>	022-61116666	022-61116633		20-B, Sugra Building, 2nd Floor, 16th Tribhuvan Road, Mumbai, 400 004, Maharashtra
		022-61116666	022-61116633	hitesh@cenzer.com	20-B, Sugra Building, 2nd Floor, 16th Tribhuvan Road, Mumbai, 400 004, Maharashtra
48	<b>RK Lighting Pvt. Ltd.</b>	022-67124462/63		rklights@gmail.com	223, Adhyaru Industrial Estate, Sunmill Compound, Lower Parel, Mumbai, 400013, Maharashtra
49	<b>Samudra Electronic System Pvt. Ltd.</b>	020 27122486	020 25675124	prafullat@samudraled.com	12, Electronic Sadan 2, MIDC, Bhosari, Pune, 411 026, Maharashtra
		020 27122486	020 25675124	shirishd@samudraled.com	12, Electronic Sadan 2, MIDC, Bhosari, Pune, 411 026, Maharashtra
50	<b>Beacon Industries (Sanarti Group)</b>	011 26385274	011 41609796	sanjeev.khosla@sanartigroup.com	S-46, Okhla, Phase-II, New Delhi, 110048, Delhi
51	<b>Surya Roshni Ltd.</b>	011-25810093-96/ 011-47108000	011-25789560	jpa.surya@gmail.com	Padma Tower I, Rajendra Place, New Delhi, 110008, Delhi
		011-25810093-96	011-25789560	raju@sroshni.com	Padma Tower I, Rajendra Place, New Delhi, 110008, Delhi
52	<b>Starlite Lighting Ltd.</b>	0253-2354423/24	0253 2350832	rb@starlitelighting.com	6, M.I.D.C., Area, Satpur, Nasik, 422007, Maharashtra
		0253 2350365	0253 2350832	vshivkumar.nair@starlitelighting.com	6, M.I.D.C., Area, Satpur, Nasik, 422007, Maharashtra
53	<b>Simoco Telecommunicaitons (South Asia) Ltd.</b>	030-40049900/ 23575581	033-23574562	salil.chaudhuri@simoco.net	Godrej Genesis Building, Block EP & GP, Bidhannagar, Sec-V, Kolkata, 700091, West Bengal
		011-41033751/53	011-47660628	hemant.pant@simoco.net	Shed No. 16, Okhla Indus. Estate, ph-4, , New Delhi, 110020, Delhi
54	<b>SYSKA LED Lights Pvt. Ltd.</b>	020-40131000	020 -25150157	rajesh@saskinfotech.com	isyska House, Sakore Nagar, Lane 4, Airporr Road, Behind Maruti Suzuki Showroom, Pune, 411014, Maharashtra
		020-40131000	020 -25150157	swapnil.s@saskgroup.in	
55	<b>Tulip Corporation</b>	022-26871272	022-26870644	rashmi@tulipcorporation.net	B-12, Nandkishore Industrial Estate, off Mahakali Road, Andheri (E) , Mumbai, 400093, Maharashtra
		022-26878033	022-26870644	paras@tulipcorporation.net	B-12, Nandkishore Industrial Estate, off Mahakali Road, Andheri (E) , Mumbai, 400093, Maharashtra
56	<b>Techno Electromech Pvt. Ltd.</b>	07600248768/ 76000248968		saurabh@technoelectromech.com	Plot No. 81, Behind Keya Motors, Besides Kumkum Party Plot, Chhani, Vadodara, Gujarat 390002, Vadodara, 390002, Gujarat
				tej@technoelectromech.com/ led@technoelectromech.com	
57	<b>Usha Shriram Enterprises Pvt. Ltd.</b>	011-25770990	011-25770995	bhs@usha.in	Block A, DDA Commercial Complex Ring Road, Naraina, New Delhi, 110046
				jaisingh@usha.in	
58	<b>Usha International Ltd.</b>	0124-4583100	0124-4583200	vishal_bhardwaj@ushainternational.com	Plot No. 15, Institutional Area, Sector-32, Gurgaon, 122001, Haryana
59	<b>Venture Lighting India Ltd.</b>	044/22625567/ 044-22623094	044-22625569	panikar@vlindia.com	Plot No-A13, A14, Phase-II, MEPZ, Tambaram, Chennai, 600045, T.N
		044/22625567/ 044-22623094	044-22625569	chandran@vlindia.com	Plot No. A-30, D-5 Ph-2, MEPZ, Tambaram, Chennai, 600045, T.N
60	<b>Wipro Enterprises Limited</b>	080-5056200/ 080-28440011	080-28440011	vineet.agrawal@wipro.com	Survey 76P Sarjapur Rd, Varthur Hobli, Bangalore, 560035, Karnataka
			080-28440011	sanjay.gupta5@wipro.com	Survey 76P Sarjapur Rd, Varthur Hobli, Bangalore, 560035, Karnataka

# 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.

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 of electric lamps and components and to further facilitate the overall interests of its members. The association has been helping 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.

## FUNCTIONS AND SERVICES

The main objectives of ELCOMA and its functions and services are as under:

- To enable manufactures of lamps and components to federate or corporate by becoming members or associates of the Association, either by themselves or their nominees or act as their representatives or spokesmen for such manufacturers.
- To promote and develop co-operation among the manufacturers of electric lamps and other ancillaries and business and to further facilitate the manufacture of products in particular.
- To promote the consideration and discussion of all questions affecting lamp industry and all ancillary and allied trades, and every branch of such trade and to generally watch over and protect the interest of persons engaged in the manufacture of such products.
- To diffuse among its members information on all matters, affecting the lamp manufacturers 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 promote the distribution of products to all consumers throughout India by the members of the Association and with the object of fostering and promoting es-pirit-de-corps among the lamp manufacturers in India.
- To collect information and circulate and publish the policies and activities of the Association from time-to-time by pamphlets, circulars, or news bulletins.
- To organize exhibitions, conduct seminars, conferences, symposia, lectures and publish its official bulletin, 'ELCOMA' News Letter and make known to public the activities of the Association.
- To provide to its members statistical information pertaining to lamp industry and keep the members informed regarding latest technical development, quality control and achieve standards and specifications.
- To be in close touch and establish liaison with various institutions and organizations and government bodies connected with the development of Electric Lamp and Component Industry and to carry continuous dialogue with the govt.
- To make representations and to deal with the subjects that affect the Electric Lamps and Component Industry and find ways and means of solving the problems and difficulties relating to subjects like finance, import-export, supply of raw materials, machinery and spares, taxation (all types-customs, excise, octroi, sales tax and GST etc), industrial relations, procedural delays, factory enactments, power, transportation etc.
- 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 better products and applications.
- To act as a link between lighting and other industry association in India and worldwide in matters concerning common interest.

## LIGHTING UP A HERITAGE



In an endeavour to glamorize the skyline of historic Delhi, Havells India Ltd has partnered with the Aga Khan Trust for Culture and Archaeological Survey of India. As part of this initiative, Humayun's Tomb has been illuminated with Havells' energy efficient Projector lights from its Colorscape range of Architectural RGB lighting. Projector lights are ideal for long distance illumination with high accuracy, fitted with high precision lenses offering best-in-class beam angle of 4.5 degrees. Each light is 316 W providing a saving of around 90% energy usage when compared to conventional products installed at Humayun's Tomb since 1999.





# NATIONAL INSTITUTE FOR TECHNICAL SKILLS

ELCOMA offers various technical skill development training programs for government and industry for products and services in lighting and electrical appliances domains.

Currently we offer technical training programs for LED Streetlights, Solar Streetlights, Domestic Electrician, Health & Safety and Refrigeration & Air Conditioning. These programs have been developed along with Power Sector Skills Council (PSSC) and Electronic Sector Skills Council (ESSCI) based on National Occupation Standards (NOS) of National Skills Development Council (NSDC). We are also developing two new programs in Lighting Design and Intelligent Lighting.

ELCOMA has appointed National Institute for Technical Skills as its authorized training partner to offer various programs designed by ELCOMA. Under the supervision of ELCOMA, NITS is being mentored by Industry to nourish the skill of people working in lighting and related industries.

We have trained over 700 field personnel for EESL in Street Light National Program (SLNP) across India in the past 1 year. We have also conducted health and safety programs for EESL and industry personnel.

ELCOMA/NITS have already published three training guides for candidates attending these programs.

## Programs Offered:

### 1) Streetlight Installation and Maintenance Training Program for Streetlight Technicians/Supervisors:

Introduction to Lighting and Lighting Industry  
• Basics of Road Lighting and Design • Installation and Commissioning • Operation and Maintenance • Site Safety • Health and Safety • Field Demonstration and Practical Training

### 2) Solar Streetlight Installation and Maintenance:

Introduction to Energy • Overview of Solar Power and Lighting • PV Technology • Battery Technology Lighting and its Design • Installation and Commissioning • Operation and Maintenance • Health and Safety • Field Demonstration and Practical Training

### 3) Domestic Electrician (+ Home Appliances) Certification Program:

Introduction to Energy and its sources  
• Electricity and Power • Installation of Domestic appliances and Electrical Equipments  
• Repairing and Troubleshooting • Safe Operating Methods and Safety at Work • Hands on Assembly and Repair of Appliances

### 4) Refrigeration and Air Conditioning:

Introduction to Energy and its Sources  
• Electricity, Thermodynamics and Power  
• Heat Management Installation of different types of Refrigerators and AC & their Commissioning  
• Operation, Repair and Maintenance  
• Site safety and safe operating procedures  
• Practical Site Installation

### 5) Health and Safety Training:

Safety and its overview • Occupation Health and Safety • First Aid • Fire Safety • Job Safety Analysis Documentation and policy making • Safe working practices • Handling Emergency

### 6) Lighting Design:

Introduction to Lighting Theory • Overview of Lighting Design Standards • Understanding Lighting effects  
• Lighting Applications • Lighting Designing Software and introduction to DIALux • Lighting Planning and Schematic Designing • Development of Lighting Design • Photometry and its analysis Post Occupancy Evaluation • BOM calculation • Case Studies

### 7) Smart Lighting and CCMS:

Introduction to Lighting • Lighting technology and its integration with IoT • Smart Lighting trends Software and Hardware Architecture  
• Introduction to Communication technologies (Zigbee, LoRaWAN, RF based, GSM, GPRS)  
• Introduction to Li-Fi • CCMS (Centralized Control and Monitoring System) • International and National Case Studies • Health and Safety

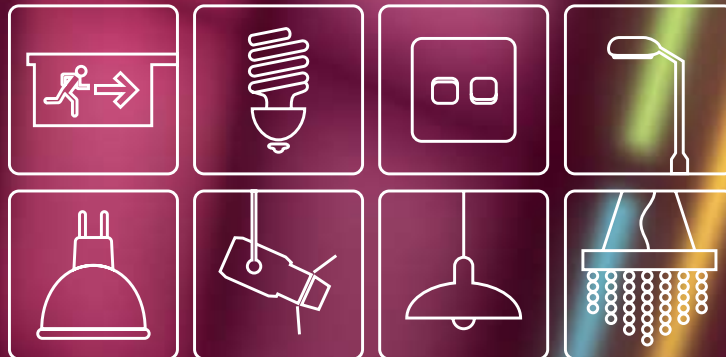
# light

## INDIA

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### FOR BOOKINGS CONTACT:

**Rasheed Anwaar**

Group Exhibition Head  
M: +91 99901 01000  
[rasheed.anwaar@  
india.messefrankfurt.com](mailto:rasheed.anwaar@india.messefrankfurt.com)

**Deepak Bohara**

Senior Sales Manager  
M: +91 88263 84114  
[deepak.bohara@  
india.messefrankfurt.com](mailto:deepak.bohara@india.messefrankfurt.com)

**Himanshu Joshi**

Asst. Manager Sales  
M: +91 85869 26107  
[himanshu.joshi@  
india.messefrankfurt.com](mailto:himanshu.joshi@india.messefrankfurt.com)

## **FUTURE IS INTELLIGENT LIGHTING**

The technological development in Lighting has been very slow ever since Edison invented Incandescent Lamp. However, the last two decades have seen sudden spurt in new energy efficient lighting products being introduced. We had CFL revolution from 2006 to 2015, Slim fluorescent tube lights, electronic ballasts. The Vision 2020 document prepared by ELCOMA was very well received by government and consumers with the result, lighting manufacturers are looking at another revolution in LED Lighting.

It is difficult to imagine our society without electric lighting. The government has realized that to accelerate economic development, it is very essential to provide basic facilities to all citizens. Lighting is one of the most important considerations. It is planned that all corners of the country will be lit up with Lighting whether it is with grid or off-grid. Over the years the

demand of lighting has increased with more and more applications being introduced to help a more effective and meaningful lighting. Citizens are learning to use best lighting options available to them, whether it is required for work, for buildings, for monuments, or creating ambience and moods at any place. People are learning and indulging in leisure at all times of the day and night and this has been made possible because of the contributions of electric lighting.

The flexibility of our working hours, the demands by our complex tasks, the introduction and

### **VISION SMART LIGHTING**

To make the Indian Lighting industry a leader in SMART and EFFICIENT lighting that is advanced in technology, user friendly and is environmentally conscious. To make and develop a sustainable world-class, global manufacturing hub for modern lighting products



progress of information technology and a paperless office environment, the speed at which we travel, all demand seamless illumination to ensure optimum performance. Day moves to night while we also shift from outdoor to indoor demanding visual accuracy, comfort and guidance to go on with our activities without making any serious promises.

The ELCOMA Vision 2020 has successfully been able to fulfill the initiative to reduce energy consumption for lighting from present 18% of total power consumption to 13% by year 2020 by introducing more energy efficient products and working with government to execute various schemes and awareness programs to achieve this. The government announced that 770 million LED Lamps and 30 million Street Lights will be replaced in India by year 2018. Both EESL and Industry has jointly already sold more than 800 million LED Lamps by end of 2017. It is estimated that more than 1.2 billion mark will be met by end of 2018. All this will save more than 27,000 MW of power by the end of 2019.

## **ENTER THE SMART LIGHTING**

Like mobile phone revolution in which new applications have made the product very interesting and new demand is created on regular basis. Similar will be the future of LED Lighting. LED Lighting being versatile product which can be used for any lighting application, will now play very important role in bringing in smart (or intelligent) lighting. ELCOMA has prepared The VISION document in which new concepts in smart lighting have been spelt out. The industry will now create and initiate manufacturing and marketing of smart lighting in India. Besides this, it can also create techno fun for users as LED lighting will work with new applications of dimming,

smart controls, colors, performance reporting etc. Government has already announced creation of 100 Smart Cities. Elcoma has prepared a vision for these cities on new intelligent technologies that will be more versatile and user friendly to provide not only fun but also effectiveness of LED lighting. This will provide more secure and safe environment at public places.

## **VISION SMART LIGHTING**

After the government announcement of 100 smart cities, the industry is preparing itself to provide equally smart lighting for the smart cities. Over the next few years, the Indian Lighting industry will focus on smart lighting in following areas. ELCOMA looks at vision and inputs required:

- Continue efforts to create demand for energy efficient lighting products to reduce India's lighting power consumption further
- Smart Lighting requires high technology support and needs to expand domestic capacity for LED testing and R&D centres to support this new increasing demand
- Prepare Indian standards for all future smart lighting products and applications and make these standards mandatory immediately to avoid entry of cheap products offering smart features.
- Enhance manufacturing capabilities in Luminaires, electronic components and LEDs
- Leverage Indian ITES skills to grow Lighting Automation software development
- Support skill development across all discipline required by the lighting industry through R&D

*(Contd on page 15)*

## WHAT IS SMART LIGHTING?

- *Smart lighting incorporates many technologies so that either indoor or outdoor lights will work automatically under certain conditions. Different smart lighting networks do different things, but some of the more popular solutions feature smart lights that are capable of instantly switching on when someone enters a room or changing colour when something occurs, for example.*
- *Imagine your house has 50 lights, and each light is normally controlled by the flick of a switch. Smart lighting eliminates the need for you to get up and flick that switch. The network does all the work for you, automatically, though you can still program the lights to respond as you wish. Smart lights often feature sensors too, so they can identify people and things like when they need light, as well as how much they may need.*
- *The last bit to remember: smart lighting networks often allow lights to interact with each other, so that they can be calibrated en masse, or even individually through a remote control setup.*
- *Smart lighting networks vary drastically, but generally, their lights can either work independently or together when connected. Keep in mind there are two main types of smart lights: sensor-integrated and non-sensor integrated.*
- *Sensor-integrated lights feature sensors that enable them to recognise people and daylight, among other things. These lights automatically send data to the smart lighting network, which sets specific parameters for each light. You can still manually control sensor-integrated lights however, if you desire. Although non-sensor integrated lights don't have sensors, they're still considered smart, because you can program them.*
- *There are two main ways of controlling smart lights: control hubs and smart devices. You can use tablets, smartphones, laptops, and even desktop computers (as long as both the device and the smart lights are connected to Wi-Fi or Bluetooth) to remotely configure and manage your smart lighting. In some situations, typically in larger buildings, there is a dedicated control hub that maintains the smart lighting network.*
- *As a consumer, you'll probably want a smart lighting setup that works with your smart device. Not only is that the more user-friendly option but you'll be able to control your house lights from anywhere in the world (not just when at home). That said, whether you choose sensor-integrated lights or non-sensor integrated lights is up to you. Typically, sensor-integrated lights are the more costly option.*
- *For using smart lighting, there are four reasons why you should use smart lighting. First and foremost it can save you money on a utilities bill. That's because a smart lighting network is very energy efficient; it allows you to calibrate when exactly a light should be on. Smart lights can also simplify your life. When preparing to travel, you won't have to physically alter the settings of each smart light or check to see if it is off before you leave. You can do all this remotely, from afar. In a nutshell, smart lighting is wireless lighting that interacts with the users, makes its performance more interesting and saves ample energy whenever required.*

# FUTURE IS INTELLIGENT LIGHTING



(Contd from Page 13)

centres and educational institutions, and training centres specific to intelligent lighting

- A new force is required to be trained in use and operation of smart lighting to train the users.

In order to achieve these, there are various imperatives for the key stakeholders in this industry.

- **ELCOMA:** To create domestic and international workshops for training on new technologies. Generate demand through awareness programs and seminars on Smart applications for products focusing on smart cities. application, & testing etc. Support the set-up of testing, R&D and educational centres. Elcoma has already conducted 4 such seminars in one year. These seminars will be continued during 2019 at secondary

towns like Bangalore, Thiruvanthapuram, Vishakhapatnam (Vizag), Raipur, Jaipur etc.

- **Smart Street Lights:** The smart street light is future in street light segment. The smart pole will provide access to eye soothing street light, Wi-fi public address system, 2 way communication with police control room, CCTV cameras etc. We need to create demand for smart street lights in it's already plan for all public spaces and make it mandatory for all smart cities to change to smart street lights.

- It is very important to create India as export hub for smart lighting
- Government is required to support local manufacturing over imports through subsidies and incentives. It is very essential to control unauthorized product by doing surveillance, announce anti-dumping duty, limited FDI restrictions, etc.

## THE MOST ENERGY EFFICIENT AND ENVIRONMENT FRIENDLY LIGHTING INDUSTRY

From time to time, the Lighting industry has been developing more energy efficient products like fluorescent Lamps, Metal Halide Lamps, Compact Fluorescent Lamps (CFL) and Electronic Ballasts etc. Recent entry of Light Emitting Diode (LED) as a light source has been launched successfully in India. Of all these lighting sources, LED has been very successful entry in the last 2 years as it has not only been able to save a lot of energy, but also has become a house hold name for being energy efficient product.

LED Lighting is the most versatile technology that can be used in any application. It is replicating Compact Fluorescent Lamps which played very important role in its growth. From 20 million pieces in 2004 it had crossed 470 million pieces per annum in 2013. It is projected that LED lighting will bring down power consumption in lighting from 18% to less than 13% by year 2020.

**Mercury Content in Lighting Products and what the industry has done for safe disposal:** Most of the discharge lamps like CFLs, Fluorescent Lamps, Mercury Vapour Lamps, Metal Halide Lamps, etc use a small quantity of mercury. Compared to other industry like healthcare, mining, power generation etc, lamps use a very small quantity of mercury. For example, if thermometer uses 0.6 gms to 2.2 gms of mercury, a CFL uses only around 3 to 5 mg.

With the new technology, the content of mercury has been reduced to 2 - 3 mg and that too in amalgam (Solid Mercury ) form which does not evaporate or spill when it breaks.

Against total import of mercury, the Lighting Industry has been consuming only 2.5% as against a volume of 500 million pieces of lamps, till 2014. As we have reduced Hg to less than 3 mg, it was less than 1% of total India's mercury consumption. After the proliferation of LED lamp, the demand of CFL has been reduced to less than 50 million pieces. It is estimated, by end of 2018, the manufactures of CFL lamp will be completely stopped.

### SAFE DISPOSAL OF MERCURY CONTAINING END OF LIFE LAMPS

Currently, India does not have a proper system for safe disposal of mercury containing lamps. India is a very wide spread country with different geographic terrain, cultures, environment, systems and varying atmosphere. A vast area poses complex situation on logistics and communications. Lamps are different from other Electric & Electronic products. A lamp is full of glass and is very fragile. It is light weight, very high volume of lamps put on the market every year and has hardly any residual value at End of Life (EOL). Carrying it to any source may pose a problem during transit.

On the Supply Chain side it is highly complex & wide spread Supply Chain with low traceability for sizable volumes. On the in-bound side, there are 50 Local Brands (62 Mfg. sites registered with BIS) besides equal Number of Fly by Night Brands. Local Manufacturing was wide spread – from fully integrated to part Manufacturing. Many Assemblers based on imported sub-assemblies and almost a third from Small Scale Manufacturing. On the Out Bound side there are about 1.4 lakhs of Electrical Retailers and about 2 lakhs non-electrical outlets.

Safe disposal mechanism for CFL/FTLs comprised of proper collection and transportation, recycling/reuse/recovery system and public participation for successful implementation. The local bodies have to play a very important role in successful collection and safe disposal.

**However, with the use of amalgam mercury and reduction of mercury content and now with the emergence and high penetration of LED Lamps, the big question is that by the time the plan is implemented and a lot of investment pumped in, is it worthwhile to execute the plan? Moreover, CFL will not be there in the market by the end of 2018.**

### 1. SAFE DISPOSAL AT FACTORY

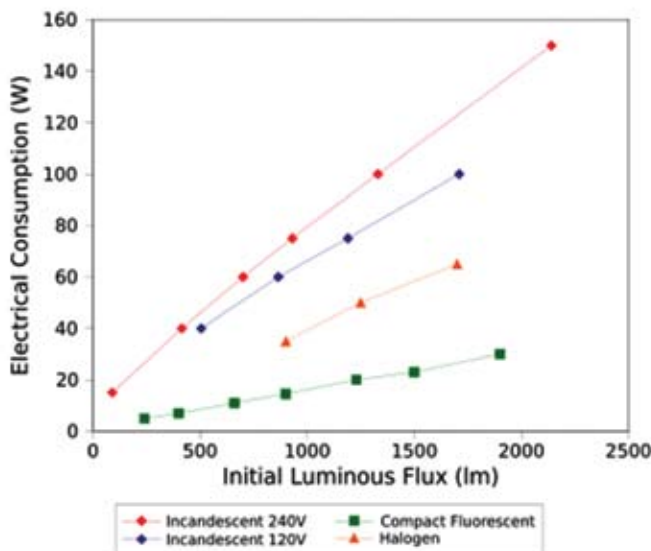
All Elcoma members have initiated to safe disposal off CFLs and Fluorescent lamp that are rejected during manufacturing or returned back by consumers under guarantee. Recycling equipment is installed in which all such lamps are crushed and mercury glass metal etc are retrieved and recycled

### 2. THE OTHER ADVANTAGE OF FLUORESCENT LAMPS

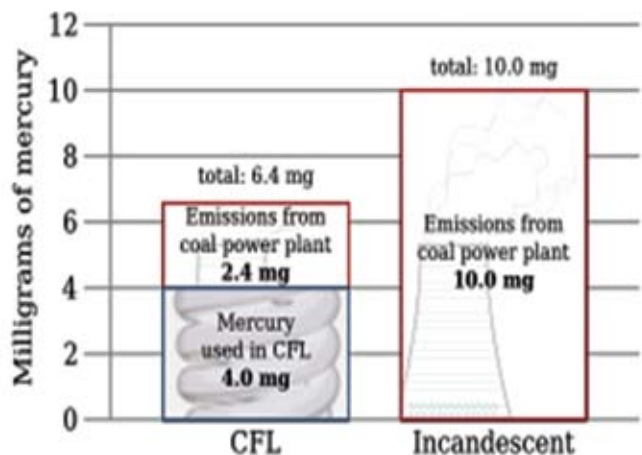
In fact Fluorescent Lamps that use mercury are more environment friendly than Incandescent Lamp. The chart below shows how an Incandescent Lamp sends more mercury into atmosphere than CFL. The power generated through coal fired plants to burn the bulb send out at least 10 mg into atmosphere. On the other side, if a CFL lamp uses 4 mg Hg, it consumes power equivalent to 2.4 mg into the atmosphere.

**The figures below explain the difference**

**Electricity Use by Bulb Type**



**Mercury emissions by light source evaluated over a five-year life**



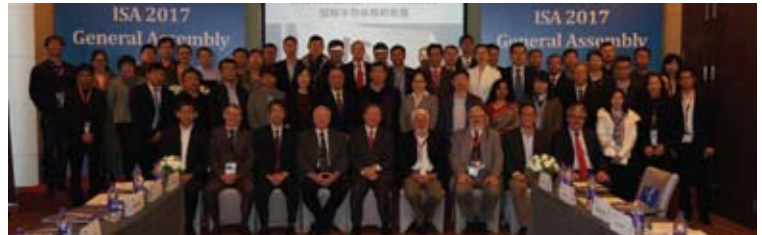
# International Solid State Lighting Alliance



ISA is a non-for-profit 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, middlestream and downstream of global SSL industry such as epitaxy, packaging application, materials and equipment, design system integration and testing etc. The currently ISA 89 members, representing more than 4000 individuals & organizations includes major players (such as Philips, 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 Mr. Shuji Nakamura, the Laureate of Nobel Prize in Physics in 2014 is the Co-Chair of ISA Board of Advisers. Hiroshi Amano also the Laureate of the Nobel Prize in Physics in 2014 and Zhores Alferov, and the Laureate of Nobel Prize in Physics in 2000 are all the member of ISA Boards of Advisers.

## ISA major works:

- ISA Technical Committee on Standardization
- Global SSL Industry Reports
- International/Regional Cooperation on SSL
- Global SSL Awards
- ISA-ECC Smart Street Lighting System Specialized Committee
- Global SSL Forums and Training workshops



ISA 2017 General Assembly

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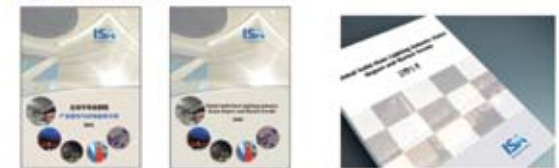
**Wolfgang Reuter**  
Professor of Technical Chemistry, Brandenburgische Technische Universität Cottbus

## ISA Global SSL Industry Reports



Global Solid State Lighting Industry Status Report and Market Trend 2015 focus on SSL strategy, industry development and market analysis of BRICS Countries.

Global Solid State Lighting Industry Status Report and Market Trends 2014



The GLA unites on a global level the leading national and regional industry associations for lighting technology. GLA functions as a forum for exchange and formulation of technical and policy information and is a recognised authority on issues of concern to the global lighting industry.

The Global Lighting Association, within the limits of national and EU competition law:

- shares knowledge on global trends as well as legislative and regulatory developments and opportunities in lighting
- shares information on the activities of individual associations
- anticipates and initiates policies and actions in areas of common interest
- provides governments with relevant product and market information

## Mission

The Global Lighting Association is the voice of the lighting industry on a global basis. The primary mission of the GLA is to share information, within the limits of national and EU competition law, on political, scientific, business, social and environmental issues of relevance to the lighting industry and to develop, implement and publish the position of the global lighting industry to relevant stakeholders in the international sphere.

## GLA Board Members

Comprised of senior leadership from our member organisations, the Global Lighting Association's Board collectively represents many years of industry expertise and experience. Board members are:



**Russell Loane**  
President, Global Lighting Association (representing Lighting Council Australia)



**Ourania Georgoutsakou**  
Secretary General, LightingEurope



**Shyam Sujan**  
Secretary General, Electric Lamp & Component Manufacturers' Association



**Chen Yansheng**  
Executive Vice President, China Association of Lighting Industry



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Secretary General, Global Lighting Association (representing Lighting Council Australia)



## 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.

### 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

# INDIAN SOCIETY OF LIGHTING ENGINEERS (ISLE)

A-10 Lajpat Nagar-1, Upper Ground Floor, New Delhi 110 024, Tel: 011 41326950, Email: isledel@vsnl.com, Website: isleind.org



## Vision

To establish a neutral fraternity of Lighting professionals to further the cause of lighting development in India for the benefit of its people at large and to put India on par with the global lighting community in terms of its lighting knowledge base and applications.

## Mission

A non-profit organisation to bring together all professionals connected with aspects of light and lighting related technology for the upgradation of knowledge and improvement of standards, to facilitate the overall interest of members and enhance skill development, to awaken lighting interest in the students and to create a connectivity with the global lighting knowledge community.

## Objectives

- Promoting the art, science and practice of illumination engineering services as associated with built and open environment for the benefit of the public in general.
- Advancing education and research in illumination engineering and publishing useful results of this research.
- Formulating lighting codes, guides and technical reports and publishing them along with newsletters, journals and books on "illumination".
- Maintaining liaison and technical interaction with national/international organisations concerned with matters related to the science, technology, standardisation and art in the fields of light and lighting.
- Co-operation with the Bureau of Indian Standards in their standardisation work in the field of lighting.
- Providing guidance to young engineers for career improvement in illumination engineering.
- Organising exhibitions and trade fairs of lighting and allied industries.

## Organisation

ISLE State and Local Centres – The ISLE Secretariat is located in Delhi. State Centres are located at Kolkata,

Delhi, Mumbai, Chennai, Bangalore, Jaipur and Indore. There are Local Centres at Pune, Guwahati, Hyderabad and Bhubaneswar.

## ISLE Governing Body

All the countrywide activities of the Society are overseen by a Governing Body through its various Committees and Local Centres. The Governing Body of ISLE comprises the President, Immediate Past-President, Vice-President, Hon. General Secretary, Treasurer, twelve members and one member from each State Centre.

## Membership

The members of ISLE are represented on national bodies such as the Development Council of the Ministry of Industry, Confederation of Indian Industry, Bureau of Indian Standards, Bureau of Energy Efficiency and Ministry of Electronics & Information Technology. They are also active participants in industry associations like the Electric Lamp and Component Manufacturers Association of India and the Indian Electrical and Electronic Manufacturers Association. They belong to leading lighting companies and utilities and are associated with research organizations like the National Physical Laboratory, Central Building Research Institute, the Electric Research and Development Association and various universities. They are involved with the Institution of Engineers for seminars and training.

## International Affiliations

ISLE has various International Affiliations to work together in exchange of technology innovation and understanding best practices adopted in different countries. It has MOUs with IESNA – Illuminating Engineering Society of North America, ILE – Institution of Lighting Engineers, IESANZ – Illumination Engineering Society of Australia and New Zealand and ISA – International Solid State Lighting Alliance. ISLE holds joint educational programmes with the LRC - Lighting Research Centre (USA). It is a member of Lux Pacifica, a Lighting Body that represents 60% of the world's population.

# 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 1986 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.

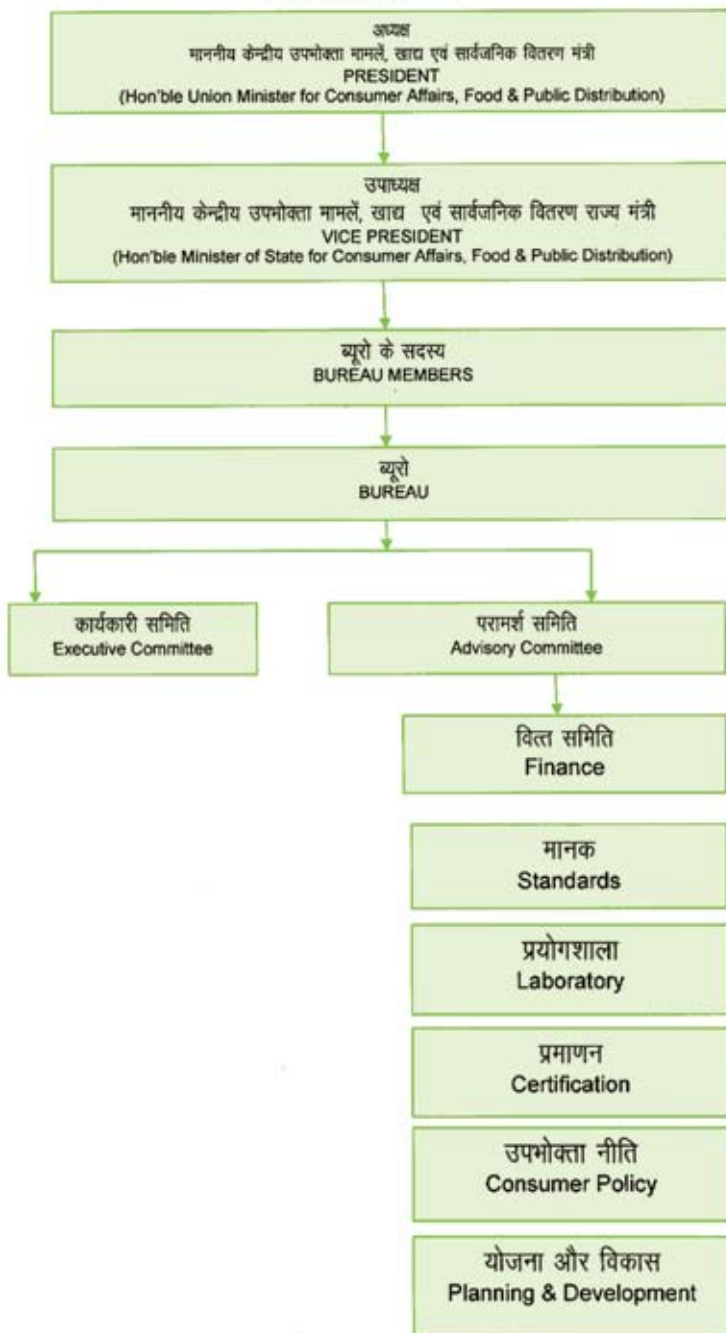
Keeping in view, the interest of consumers as well as the industry, BIS is involved in various activities as given below:

- 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, Bhopal, 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.

## ADMINISTRATIVE OF EXECUTIVE ARMS FOR IMPLEMENTATION

### मा मा ब्यूरो की संरचना Structure of BIS



# INDIA'S NEW SPOTLIGHT FOR EVALUATION OF LIGHTING



Electrical Research and Development Association proudly announces the establishment of new State-of-the-Art C-Type Goniophotometric Laboratory to serve the Indian lighting community by providing complete SSL testing services in accordance with IS 16106 / IES LM-79-08

## Key Features:

- Size: Up to 1600mm (Diagonal) objects can be tested
- Weight: Up to 50kg of test objects
- Photometry Tests performed on:
  - Indoor Luminaire
  - Road & Street Light Luminaire
  - Flood Light / Spot Light Luminaire
- Accuracy: 0.8% (Photometric & Calorimetric), 0.1% (Electrical)
- Traceability: METAS, Switzerland



Type 'C' Goniophotometer

## Accreditations:



Supporting Government of India's 'UJALA' Yojana

**ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION**

Toll Free No: 1800 233 2668 | E-mail: [bd@erda.org](mailto:bd@erda.org) | Web: [www.erda.org](http://www.erda.org)

## LED FILAMENT BULBS – THE NEXT GENERATION OF LED LIGHTING



An LED filament light bulb is an electric light bulb which produces light with an LED that is shaped to look like the filament of an incandescent light bulb. The light bulb is supplied with electric current by feed-through terminals or wires embedded in the glass.

An LED filament type design light bulb was first produced by Ushio Lighting in 2008, intended to mimic the appearance of a standard Edison light bulb (Incandescent Lamp).

The most common use of filament style lamps is in retro lamps, i.e., clear glass lamps that allow the “filaments” to be seen.

### **The Filament Bulb Market**

The worldwide LED filament bulb market size is

expected to exceed 600 million bulbs by 2018 (Epistar Market Analysis Report) and has immense potential in the LED lighting market in European markets.

The LED filament bulb has become popular in the lighting market mainly because buyers and consumers in decorative lighting, art lamps, chandeliers and classical luminaires are replacing conventional light sources (including filament bulbs and halogen light sources) with LED lights. Traditional LED bulbs have failed to meet the aesthetic demands of traditional luminaire manufacturers, which is paving the way for the emergence of LED filament bulbs in the market. Ideal applications of LED Filament bulbs include Hotel & Restaurant Lighting, Residential Lighting, Retail Lighting and Accent Lighting

Currently in India the demand for LED filament bulbs is for C, A and G Type bulbs. Most consumers for LED filament bulbs in the decorative lighting market are looking for aesthetics rather than performance. The look of the bulb is more important than the performance. Except for a couple of large brands that have initiated pilot manufacturing of such bulbs, most LED filament bulbs are being imported into India.

BEE in its recent clarification to ELCOMA dated 2 Aug 2018 has confirmed that LED Filament Lamps are presently excluded from the scope of BEE's S&L program for LED Lamps, which paves the way for larger adoption of these energy efficient lamps into consumer homes.

With aesthetic appeal and significant performance advantages, LED filament bulbs represent a flawless intersection of form and function — vintage look and advanced engineering. Coupled with the market projections for the coming years, LED Filament Bulbs are surely the next generation in the evolution of LED Lighting.



**Note by ELCOMA :**

*ELCOMA has, for a long time, been striving to replace Incandescent Lamp with a suitable replacement. Due to price parity, CFL or LED Lamps have not been able to match to replace Incandescent Lamps. But Elcoma is working to design an LED Filament Lamp with 5000 hours life (5 times the life of Incandescent Lamp), which can be manufactured at present automated factory. If successful, this Lamp will be available to consumer at an affordable price. If calculated value for money, the new LED Filament Lamp will be 5 times the life at 2 times the prices of present Incandescent Lamp. Energy wise, it will save more than 90% power and give more than 120 lumens per watt.*

Krishan Sujan  
COO, MLS India Pvt. Ltd.



## EVEREADY INDUSTRIES INDIA LTD.

2, Rainey Park, Kolkata-700019

Tel: 033-24864961/30587822

E-mail: lighting@eveready.co.in

### COMPANY PROFILE


<b>1. Business Domain</b>	LED Lighting Products and Solutions
<b>2. Product Brand</b>	EVEREADY
<b>3. Manufacturing Facilities</b>	Units located in Hyderabad & Lucknow
<b>4. Products Manufactured</b>	LED Lamps & Luminaires
<b>5. Other Products Traded</b>	LED Luminaires
<b>6. Contact Persons for Business Development (With Names, Designation &amp; Addresses)</b>	Mr. Amit Kumar Pandey DGM-Lighting Business 2, Rainey Park, Kolkata - 700019 Email: amit.pandey@eveready.co.in
<b>7. E-mail</b>	amit.pandey@eveready.co.in

# EVEREADY

TOUCHING LIVES  
TRANSFORMING LIFESTYLES




## SMART LIGHTING FOR SMART CITIES

Circular Garden Reach Road, Kolkata 



Outdoor

Our extensive range of professional lighting solutions comes with AI & Smart control Systems. Providing future ready products for life in the fast lane, our LED luminaires can seamlessly integrate to meet specific needs of all kinds of businesses. Come, light the path to progress, choose the advanced lighting expertise from Eveready.

 Eveready LED Street Light installation in Kolkata city can regulate light intensity during non-peak hours to facilitate additional energy savings of 25%. Dimming Profile: Auto ON at Sunset | 100% load from 5 pm to 1 am | 75% load at 1 am | 50% load at 3 am | Auto OFF at Sunrise.



Indoor Commercial



Retail



Consumer



Industrial



For business enquiries contact - email: [lighting@eveready.co.in](mailto:lighting@eveready.co.in) | Mobile: 09930873759 | Consumer care Ph: 18002003445

Rediffusion-Y&R/Ko/ETIL/00641

**COMPANY PROFILE:** Fulham is a leading global provider of intelligent, sustainable commercial lighting components and electronics for use in parking structure, signage, horticultural, UV and other applications. The company develops and manufactures a variety of award-winning LED and emergency products, as well as legacy products across multiple lighting platforms. Fulham sells its lighting solutions worldwide through original equipment manufacturers (OEMs) and electrical equipment distribution channels. Headquartered in Hawthorne, California, the company has sales and/or manufacturing facilities in London, China, India and The United Arab Emirates.

**ESTABLISHED:** 2011

<b>1. Business Domain</b>	Manufacturing
<b>2. Product Brand</b>	Fulham
<b>3. Manufacturing Facilities</b>	Pune
<b>4. Products Manufactured</b>	Electronic Ballasts, LED Drivers, LED Modules, Induction Lighting Systems and Emergency Lighting systems
<b>5. Details of Exports (Products/countries/value etc.)</b>	LED Drivers, Electronic Ballasts & AC LED Modules to USA, Middle East, China & Europe
<b>6. No. of employees</b>	300
<b>7. Directors and their contact details (phone, e-mail, location etc)</b>	<ol style="list-style-type: none"> <li>1. Mr. Gautam Malkani, Email: gmalkani@fulham.com</li> <li>2. Mr. Subrata Ghose, Email: sghose@fulham.com</li> <li>3. Mr. Moti Malkani, Email: motibm@multilighting.in</li> <li>4. Mr. Mike Bauer, Email: mbauer@fulham.com</li> <li>5. Mr. Harry Libby, Email: hlibby@fulham.com</li> </ol>
<b>8. Contact Persons for</b> <ol style="list-style-type: none"> <li>a. Business Development</li> <li>b. Exports</li> <li>c. Production</li> </ol> <b>(With Names, Designation &amp; Addresses)</b>	<ol style="list-style-type: none"> <li>a. Mr. Biju John</li> <li>b. Mr. Gautam Malkani</li> <li>c. Mr. Subrata Ghose</li> </ol>
<b>9. Regional Offices — Contact person / address</b>	<p><b>Pune</b> Mr. Shekar Kapadne, Cell No.: +91 9168626413</p> <p><b>Mumbai &amp; Baroda</b> Mr. Niyant Dongre, Cell No.: + 91 7798888251</p> <p><b>New Delhi</b> Mr. Rakesh Ranjan Kumar, Cell No.: + 91 9999557024</p> <p><b>Bangalore</b> Mr. Midhun Murali, Cell No.: + 91 8296164016</p> <p><b>Chennai</b> Mr. R. Vignesh Kumar, Cell No.: + 91 9513333196</p>
<b>10. E-mail</b>	sratti@fulham.com



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# HotSpot Plus LED Driver & Emergency System

The Power of a Programmable LED Driver, the Dependability of an Integrated LED Battery Backup System

### Key Features

- 40W Light output when Main Supply is on
- 10W Stand alone Light Output in case of Emergency
- Battery Backup upto 3 Hours
- 0-10V Analogue Dimming
- Smooth change over from mains to battery
- Linear & Square models available

**Award Winning  
"HOTSPOT PLUS"  
All in One  
LED Driver +  
Emergency System**

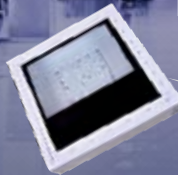


## FULHAM FIRE ESCAPE LIGHTING SOLUTIONS

Emergency Lights & EXIT Signs



STAND-ALONE Emergency Lighting Fixtures



Customized fixture options available

## LED Drivers & LED Modules



## Indoor Lighting Controls



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Up to 24 Fulham eliteDALI interface modules (eDIM™)



Licensed Fulham Niagara DALI serial driver software



## Contact us

### Registered Office

Fulham (India) Pvt. Ltd.  
201, Kaliandas Udyog Bhavan,  
Century Bazaar Lane,  
Prabhadevi, Mumbai - 400025  
Tel No.: 022 - 66388775-78  
Email: sratti@fulham.com

### Works

Fulham (India) Pvt. Ltd.  
Survey No. 26/3,  
Village Narhe, Taluka Haveli,  
Dist Pune, Pune - 411041  
Tel No.: 022 - 24690703/12  
Web : ww.fulham.com

### Regional Contacts

**Mumbai**  
Mr. Bhavesh Savant  
Cell No.: + 91 9537695383

**New Delhi**  
Mr. Rakesh Ranjan Kumar  
Cell No.: + 91 999957024

**Pune**  
Mr. Shekar Kapadne  
Cell No.: +91 9168626413

**Bangalore**  
Mr. Midhun Murali  
Cell No.: + 91 8296164016

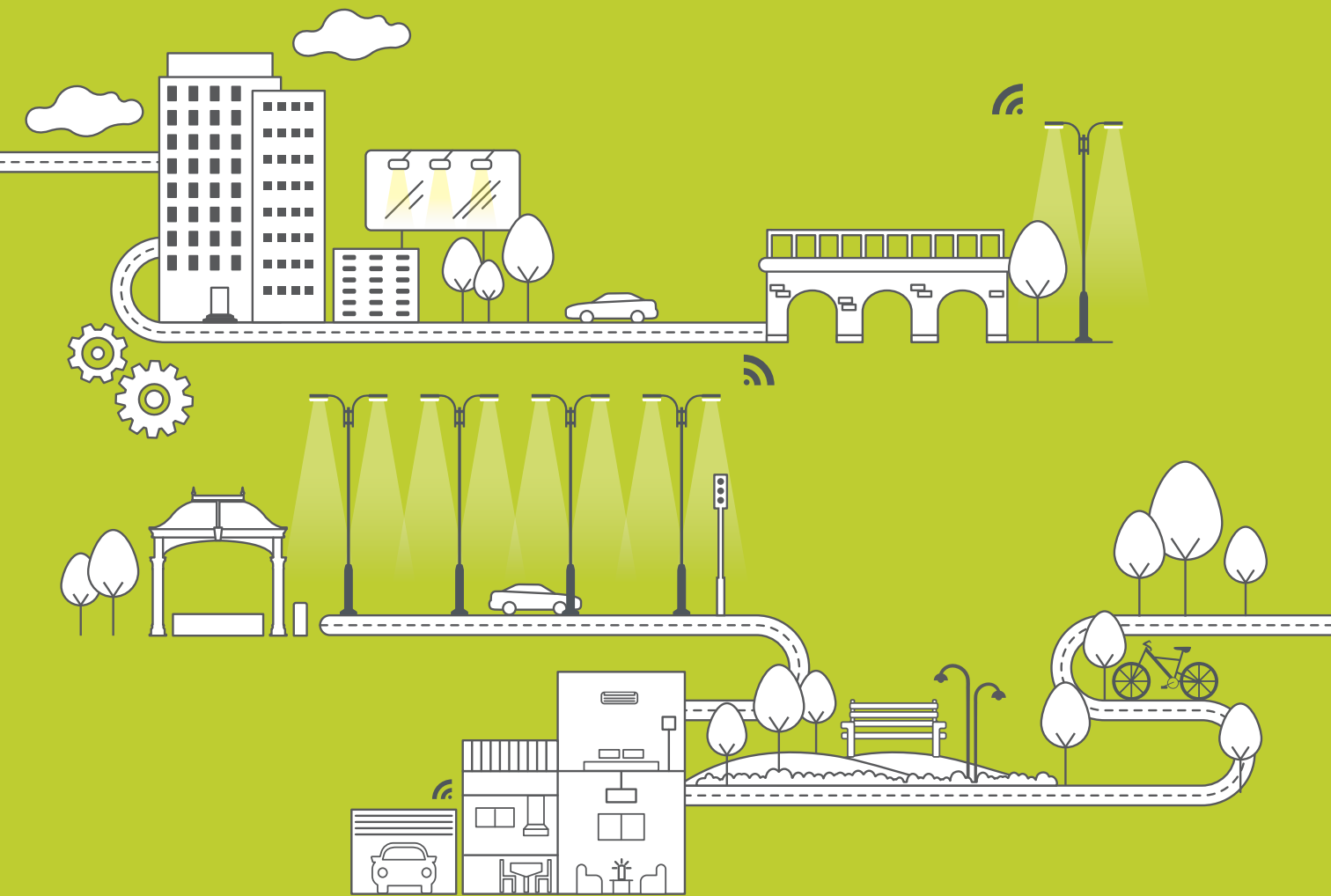
**Baroda**  
Mr. Niyant Dongre  
Cell No.: + 91 7798888251

**Chennai**  
Mr. R. Vignesh Kumar  
Cell No.: + 91 9513333196

**COMPANY PROFILE:**

**ESTABLISHED:**

<b>1. Business Domain</b>	Manufacturing & Marketing of light sources, Luminaires, High Mast, Streetlight Poles, Solar based applications, Illuminations Projects as well
<b>2. Product Brand</b>	Lighting & Luminaires
<b>3. Manufacturing Facilities</b>	Kosi (UP), Ranjangaon (Pune), Chakan (Maharashtra)
<b>4. Products Manufactured</b>	LED Products, Lamps, Tube Lights, LED Luminaires
<b>5. Other Products Traded</b>	Fans & Consumer Durables
<b>6. No. of Employees</b>	Over 3000
<b>7. Directors and their contact details</b>	<ol style="list-style-type: none"> <li>1. Mr. Raja Mukherjee President &amp; Country Head - Luminaires Segment</li> <li>2. Mr. Atul Sharma Executive President &amp; Country Head - Marketing (Consumer Products)</li> <li>3. Mr. Krishna Raman President &amp; Country Head - Trade Sales (Consumer Products)</li> </ol>
<b>8. Contact persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With Names, Designation &amp; Addresses)</b>	<ol style="list-style-type: none"> <li>a. Mr. Lalit Pradhan (Product Head - Consumer Lighting)</li> <li>b. Mrs. Beena Koshy (Executive Vice President &amp; International Head - Exports)</li> </ol>
<b>9. E-mail</b>	krishna@bajajelectricals.com



## OFFERING WORLD CLASS SOLUTIONS FOR SMART INDOORS & CONNECTED OUTDOORS

Bajaj Electricals is at the forefront of IoT innovation, delivering integrated digital offerings based upon Smart Luminaires. The smart lighting system allows remote and central management of floors or groups of buildings. Operators can view lighting schemes, energy consumption, room occupancy on a dashboard and then decide whether and how to alter lighting schemes or even reassign building space. Meaningful data travels between the lights and the cloud server through a combination of wireless and wired internet hops, assisting commercial and residential properties to streamline operations and costs.

By paving the way for convenient and futuristic lighting system, our Outdoor Lighting Solutions have developed the latest technology, creating smart, secure and connected areas; that not only increase the visibility at night but also keep a city looking picturesque. The wide range of street, area and landscape lights have features like smart street lights, real time clock (RTC), dimming, remote diagnosis and many more.

Moreover, Bajaj Electricals has leveraged technology and further enhanced its street light offering to club this with city surveillance, parking management, traffic management, environmental monitoring and e-governance modules.



# Illuminate your Home with the widest Range of LED Bulbs



**Garnet**

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Visit us at: [www.wiproconsumerlighting.com](http://www.wiproconsumerlighting.com) | [www.wiprolighting.com](http://www.wiprolighting.com) | [www.wiproconsumercare.com](http://www.wiproconsumercare.com)



**Garnet**

# Lights that bring your home to life

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 numerous lighting application areas & have always believed in offering our customers the best in class, latest design, environment friendly lighting products & solutions. Wipro lighting has won several prestigious awards for product design, innovation & quality excellence. These includes-Red dot design award, Frost & Sullivan award for LED lighting visionary innovation leadership & Prestigious brands Asia 2017-18.



- **Wide voltage range of 150-300 V**
- **Anti glare design with deep optics**
- **Driver with 2.5 kV surge protection**
- **Good color quality with Ra>80**



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**Visit us at:** [www.wiproconsumerlighting.com](http://www.wiproconsumerlighting.com) | [www.wiprolighting.com](http://www.wiprolighting.com) | [www.wiproconsumer.com](http://www.wiproconsumer.com)

**PHILIPS**

# Enhancing your world with connected lighting



Improving the working environment for everyone



Improving your workplace in a sustainable way



Making your city safer and more responsive



Creating home experiences like never before



Inspiring your customers to engage in new ways

**That's how Philips Lighting is taking  
Light Beyond Illumination**

innovation  you

To know more about our connected lighting solutions visit [www.lighting.philips.co.in](http://www.lighting.philips.co.in)

### COMPANY PROFILE:

#### ESTABLISHED:

<b>1. Business Domain</b>	Lighting
<b>2. Product Brand</b>	Philips, Interact, Philips Hue
<b>3. Manufacturing Facilities</b>	Vadodara and Mohali
<b>4. Products Manufactured</b>	LED and Conventional Lamps, Tubelights, luminaires, street lights, façade lighting, connected lighting solutions
<b>5. Other Products Traded</b>	Modular Switches, Lighting controls
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	1. Sumit Joshi, CEO, Philips Lighting India 2. Sukanto Aich, Chief Marketing Officer, Philips Lighting India
<b>7. Contact Persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With names, designation &amp; Addresses)</b>	a. Regional Marketing Manager – Lighting Philips Lighting India Limited 9th Floor, DLF 9-B, DLF Cyber City, Sector 25, DLF Phase - 3, Gurgaon - 122002, India. Tel : +91 - 124 – 4606000
<b>8. Regional Offices</b> <b>Contact person / address</b>	<b>North</b> Regional Marketing Manager – Lighting Tel : +91 - 124 – 4606000  <b>Kolkata (Eastern Regional Office)</b> Tel : +91 - 33 – 24867621  <b>Bangalore</b> Tel : +91 - 80 - 41890000  <b>Chennai (Southern Regional Office)</b> Tel : +91 - 44 – 66501000  <b>Hyderabad</b> Tel : +91 - 40 – 66467676  <b>Mumbai (Western Regional Office)</b> Tel : +91 - 22 – 66912000
<b>9. E-mail</b>	lightingservices.india@signify.com



## HPL ELECTRIC & POWER LTD.

Windsor Buisness Park, B-1D, Sector 10, Noida, Uttar Pradesh-201301

Tel: 0120-4656300 Fax: 91-11-23232639

E-mail: gautamseth@hplindia.com, rishiseth@hplindia.com

### COMPANY PROFILE:

HPL Electric and 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:

<b>1. Business Domain</b>	Electric Equipment Manufacturing
<b>2. Product Brand</b>	HPL
<b>3. Manufacturing Facilities</b>	HPL has 7 Manufacturing facilities, located at Gurgaon, Kundli, Sonapat, 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.
<b>4. Products Manufactured</b>	LED lighting equipments, Metering Solutions, Switchgear, Modular switches, Wire & Cables and Solar solutions
<b>5. Details of Exports (Products/countries/value etc.)</b>	Exports in more than 30 countries. SAARC, Africa, Middle east, Gulf and Far east countries.
<b>6. No. of Employees</b>	1900+
<b>7. Directors and their contact details (phone, e-mail, location etc)</b>	a. Mr. Gautam Seth (JMD) b. Mr. Rishi Seth (JMD)
<b>8. Contact Persons for a. Business Development b. Exports c. Production (With Names, Designation &amp; Addresses)</b>	a. Mr. Gautam Seth (JMD) b. Mr. Rishi Seth (JMD)
<b>9. Regional Offices – Contact person / address</b>	<b>North:</b> Windsor Business park, B-1D Sector 10, Noida Uttar Pradesh-201301 <b>East:</b> 69, Ganesh Chandra Avenue, India House 7th Floor, Block-C, Kolkata - 700 013 <b>West:</b> 2C/H, Rushabh Chambers 2nd Floor, Off-Makwana Road, Near Rubi Hotel Marol, Andheri East Mumbai - 400 059 <b>South:</b> "Amar Sindur" S-4, 2nd Floor, No.-43, Pantheon Road, Egmore, Chennai-600 008
<b>10. E-mail</b>	gautamseth@hplindia.com, rishiseth@hplindia.com



Brightness that lasts on and on | illuminating every corner of your life.



**When it comes to LED lighting technology, there is no better alternative than HPL.  
The most elegant range of LEDs: low on power consumption,  
low on maintenance and with customer satisfaction.**

### FEATURES:

SMD LED's for good quality illumination and longer life. | Constant current drivers. Highly efficient metal core PCB.  
Superior quality diffuser for glare free distribution. Extruded aluminium heat sinks with specially designed fins.

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LED Downlighter



LED Panel



LED Highbay



LED Street Light



long life



ECO light solution



maintenance free



compact & sleek design



Upto 50W



LOW HEAT generation



energy saver

**HPL Electric & Power Ltd**

Ph.: +91-120-4656300 | Customer Care No. 1800 419 0198

enquiry@hplindia.com, hpl@hplindia.com

[www.hplindia.com](http://www.hplindia.com)



## HAVELLS INDIA LTD.

QRG Towers, 2d, Sec-126, Express Way, Noida - 201304 UP (India)

Tel: +91 - 120 - 3331000, Fax: +91 - 120 - 3332000

E-mail: marketing@havells.com

**COMPANY PROFILE:** Havells India Limited 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, Power Capacitors, Luminaires for Domestic, Commercial and industrial Applications.

Havells owns some of the most prestigious global brands like Havells, Crabtree, Standard Promptec and Lloyd. Its global network constitutes of 6000 professionals across 40 branches. Its twelve state-of-the-art manufacturing plants in India located at Guwahati, Haridwar, Baddi, Sahibabad, Faridabad, Alwar and Neemrana.

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 plus 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 door step service via its initiative ‘Havells Connect’. Thanks to the quality of products and quicker service, it has minimum customer complaints and highest customer satisfaction.

Today, Havells along with its brands, have earned the distinction of being the preferred choice of electrical products for discerning individuals and industrial consumers both in India and abroad. Thus complying with stringent quality norms at even the most testing markets, worldwide. It is committed to keep powering the world with its state-of-the-art innovations and energy-efficient solutions. Currently 70% of its product offering is energy efficient.

### ESTABLISHED: 1974

<b>1. Business Domain</b>	FMEG (Fast Moving Electrical Goods)
<b>2. Product Brand</b>	Havells, LLOYD, Crabtree, REO and Standard
<b>3. Manufacturing Facilities</b>	12 Manufacturing Facilities in Alwar, Neemrana, Faridabad, Sahibabad, Baddi and Haridwar
<b>4. Products Manufactured</b>	Lighting, Solar, Cables & wires, fans, Industrial products, appliances, personal grooming, consumer electronics, motors and many more
<b>5. No. of Employees</b>	6500
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	1. anilrai.gupta@havells.com 2. ameen.gupta@havells.com 3. rajesh.gupta@havells.com
<b>7. Contact Persons for</b> a. Business Development b. Exports c. Production (With Names, Designation & Addresses)	a. Ajay Saraf b. Alok Gupta c. Upender Shukla
<b>8. E-mail</b>	marketing@havells.com



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marketing@havells.com

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\*\*Online shopping is applicable on select products.

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**HAVELLS**  
CONNECT

Toll Free No.: 1800 11 0303 (Toll Free), 011-4166 0303  
(Landline), 1800 103 1313 (All Connections).  
For dealer interested in opening new Havells Galaxy Store,  
please e-mail at: [galaxy@havells.com](mailto:galaxy@havells.com)

\*Conditions apply.



## LEDCHIP INDUS P LTD

29AB, 2F, Electronic Complex, Kushaiguda, Hyderabad 500062

Mobile: 7207074339, 9848458935, 9000081171

Email: sales@ledchipindus.com

### COMPANY PROFILE:

ESTABLISHED: 1987

<b>1. Business Domain</b>	SMD LEDs & LED Packages, COBs, LED modules
<b>2. Product Brand</b>	Kwality, PolyWa, LEDChip, KingLight, Scintilla
<b>3. Manufacturing Facilities</b>	Fully Automated High speed LED chains, housed in Class10K Cleanrooms, producing SMD LEDs un-touched by human hand.
<b>4. Products Manufactured</b>	SMD LEDs 2835, 3030, 5050 0.2W, 1W, 3W, 5W, 5-200W in Coolwhite, Neutral White, Warm White, 1800-2700K , 7000-13000K CCT, CRI 70, 80, 90, 95, and any custom color with 2-3 days production cycle time.
<b>5. Other Products Traded</b>	LED materials & Assemblies using our LEDs - on request
<b>6. Details of Exports (Products/countries/value etc.)</b>	98% Domestic Germany, UK, USA
<b>7. No. of employees</b>	49
<b>8. Directors and their contact details (phone, e-mail, location etc)</b>	1. K. Vijay Kumar Gupta, BSc, BE Mob: 9000081171, Email: kvkgupta@kwalityindia.com 2. K. Srinivas Gupta Email: ledchip@ledchipindus.com
<b>9. Contact Persons for a. Business Development b. Exports c. Production (With names, designation &amp; Addresses)</b>	a. GV Rao 9848458935 Email: vasu7139@kwalityindia.com b. M Nageshwer 9959110805 Email: nageshledchip@gmail.com c. Rahul Sharma 7981230551
<b>10. Any other information</b>	Kwality Photonics is India's pioneer in LED package manufacturing since 1987, producing LM80 grade LEDs (99% Lumens after 6000Hr at 105°C) Capacity is expanding to 10 Billion LEDs. 'Scintilla' range 150 LPW enables BEE 5STAR rating. We seek close support of ELCOMA members to make lights with core components from India.
<b>11. E-mail</b>	kwalitypolywa@gmail.com sales@kwalityindia.com sales@ledchipindus.com

Passionately Indian



# LEDchip Indus

अपना भारत अपनी LED



## RIGHT LEDs

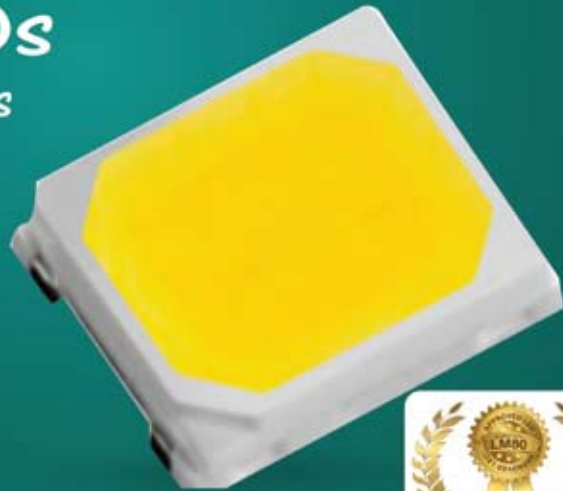
for BEE-5STAR BULBS & TUBES

Launching

# SCINTILLA LEDs

the Extra-Bright 2835W LEDs

- 9V 100mA 135-150Lm 80Ra
- 3V 60mA 28-30Lm 80Ra



- Upto 10% brighter than LEDs in same category
- 0.2W & 1.0 W & 0.5W
- Higher BEE-star rating bulbs
- Brighter slim panels
- Fewer LEDs per Street Light



KLHC COB's 5-300Watts  
'Finger-Proof' Flipchip



KLSL5630W-140LPW



KLSL3030W  
130Lm 80CRI

Isn't it right time to 'indianise' the only non-indian part of bill-of-materials in your India made LED Lights



## LEDCHIP INDUS PRIVATE LIMITED

29, A&B, 2F, Electronic Complex, Kushaiguda, Hyderabad - 500062

Mob.: +91-9848458935, Email: sales@ledchipindus.com, Web.: www.ledchipindus.com

◆◆◆ INDIA ALSO MAKES BEST LEDS ◆◆◆



## FIEM INDUSTRIES LTD.

Plot No. 1915, Rai Industrial Estate, Phase V, Sonapat, Haryana - 131029

Tel: 0130-2367905 Fax: 0130-2367903

E-mail: gv.george@fiemindustries.com

### COMPANY PROFILE

#### ESTABLISHED:

1. <b>Business Domain</b>	Automotive Lamps and Signalling Equipments, LED Lamp and LED Luminaires
2. <b>Product Brand</b>	FIEM
3. <b>Manufacturing Facilities</b>	Nine State of Art of Manufacturing Plants in India 4 Located in South, 4 located in North and 1 located in West. All our manufacturing facilities are certified with <b>IATF 16949:2016, ISO 9001:2015, ISO 14001:2015 &amp; OHSAS 18001:2007</b> . Our Photometric Lab is accredited by NABL for LED Luminaires as well as Automotive lighting. We also have our design and R&D Centres in <b>Japan and Italy</b> .
4. <b>Products Manufactured</b>	Automotive Lamps, Rear View Mirrors, and Plastic & Sheet Metal Parts for Two wheelers as well as four wheelers. Canisters and Bank Angle Sensors. <b>LED Luminaires for indoor and outdoor lighting</b> such as LED Bulbs & LED Tube Light, Recess Panels, Down Lights, Spot Lights, Bay Lights, Flood Lights, Solar based Lantern and Street lights etc. <b>Integrated Passenger Information System (IPIS)</b> consisting of Train Indication; Coach Guidance & PC based Announcement System and Passenger Information System/Led Display Systems for Automotive- Buses and Railways.
5. <b>Details of Exports (Products/Countries/Value etc.)</b>	Total Export: 1824 Lakh
6. <b>No. of Employees</b>	6500
7. <b>Contact Persons for</b> a. <b>Business Development</b> b. <b>Exports</b> c. <b>Production</b> (With Names, Designation & Addresses)	a. Mr. Z.A. Khan b. Mr. S. Narayanan c. Mr. Kashi Ram Yadav
8. <b>Regional Offices — Contact person / address</b>	Mr Prateek Sinha Aria Commercial Towers (Unit No. 1A & 1C), 1st Floor, J.W. Marriott Hotel, Aerocity, New Delhi-110037 <b>UNIT- VII &amp; Corporate Office:</b> Plot No. 1915, Rai Industrial Estate, Phase-V, Sonapat - 131029 (Haryana) INDIA <b>UNIT- I:</b> 32 Mile Stone, G.T. Road, Kundli, Distt. Sonapat -131028 (Haryana) INDIA <b>UNIT- II:</b> 219 / 2B, Hosur-Thally Road, Kalukondapalli, Belagondapalli, P. O. Hosur - 635114 (Tamilnadu) INDIA <b>UNIT- III:</b> Kelamangalam Road, Achettipalli Post, Hosur CF -635110 (Tamilnadu) INDIA <b>UNIT- IV:</b> 133, KIADB Industrial Area, Kadakola Post, Mysore- 571 311(Karnataka) INDIA <b>UNIT- V:</b> Fiem Industrial Complex, Kelamangalam Road, Achettipalli Post, Hosur CF - 635110 (Tamilnadu) INDIA <b>UNIT- VI:</b> Village Bhatian, Tehsil Nalagarh, Distt. Solan -174101 (Himachal Pradesh) INDIA <b>UNIT- VIII:</b> SP1-C, Tapukara Industrial Estate, Distt. Alwar -301707 (Rajasthan) INDIA <b>UNIT- IX:</b> Survey No. 151-153, Village Karsanpura, Taluka-Mandal, Distt. Ahmedabad - 382123 (Gujarat) INDIA
9. <b>Any other information</b>	We have Government Recognised R&D Centre at Rai (Sonapat, Haryana) <b>J.V. Companies</b> 1. Centro Ricerche Fiem Horustech S.r.l. (Italy) 2. Aisan Fiem Automotives India Pvt. Ltd. (India) 3. Fiem Kyowa (HK) Mould Company Ltd. (Hong Kong) <b>Technical Collaborations</b> 1. Aisan Industry Co., Ltd. (Japan) 2. Toyodenso Co., Ltd. (Japan) <b>Wholly-owned Subsidiaries</b> 1. Fiem Industries Japan Co., Ltd. (Japan) 2. Fiem (Thai) Design & Technology Co., Ltd. (Thailand)
10. <b>E-mail</b>	fiemunit7@fiemindustries.com



**Fiem**

LED LUMINAIRES

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LED Emergency Bulb



LED Smart Bulb



LED Tube Light



Street Light



Hi-Bay Light



Flood Light



Slim Panel Light



Down Light



Post Top Garden Light



Solar Lantern



Low Carbon Emissions



Zero Mercury & UV



Zero Maintenance



Eco-Friendly

## Fiem Industries Ltd.

(AN ISO/TS 16949:2009, ISO 14001:2015, OHSAS 18001:2007, ISO 9001:2008 AND NABL ACCREDITED COMPANY)

CORPORATE OFFICE & LED MARKETING DIVISION

Aria Commercial Tower, (Unit No. 1A & 1C), 1st Floor, J.W. Marriott Hotel, Aerocity, New Delhi -110037

Tel.: 9821795327/28/29/30

R&D Centres: India (Rai-Haryana), Japan, Italy Units: Haryana, Rajasthan, Himachal Pradesh, Tamil Nadu, Karnataka & Gujarat

Email:  
[ledsales@fiemindustries.com](mailto:ledsales@fiemindustries.com)

Website:  
[www.fiemindustries.com](http://www.fiemindustries.com)

Toll Free No:  
**1800 11 5969**



## MLS INDIA PRIVATE LIMITED

714, 7th Floor, DLF Star Tower, Sector 30,  
NH-8, Gurugram, Haryana 122003  
Tel: +91-124-4867400/401, Email: info@mlsindia.net

### COMPANY PROFILE:

MLS is the largest manufacturer of SMD & DIP LEDs in the World. With over 20 years of LED package manufacturing experience, MLS is headquartered in Zhongshan city of China, with a capacity of over 90 billion led packages per month. MLS has fully-integrated, World class facilities supported by the most advanced technologies.

MLS has a comprehensive product portfolio consisting of high, mid and low power LEDs, SMD LEDs, Lighting Components, LED lighting modules, Digital displays and many other products and components for various lighting applications. MLS is now a global brand which employs over 15000 personnel and has presence across all continents.

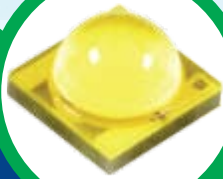
In India, MLS provides a wide choice of IM80 certified MLS LEDs which are available in warm white, natural white and cool white CCTS. Manufacturers using 0 MLS LEDs can bid for all BEE, EESL, Municipal Corporation and Government Tenders & BIS based LED projects. MLS also has a wide range of color LEDs available in different LED packages.

### ESTABLISHED: 2015 (IN INDIA)

<b>1. Business Domain</b>	LED Lighting Components
<b>2. Product Brand</b>	MLS
<b>3. Manufacturing Facilities</b>	Zhongshan, China
<b>4. Products Manufactured</b>	SMD LED
<b>5. No. of employees</b>	10
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	<ol style="list-style-type: none"> <li>ITA LIN, CEO Mob: +91-9599309191 Email: ita@zsmls.com)</li> <li>KRISHAN SUJAN, COO Mob: +91-9871675599 Email: krishan.sujan@mlsindia.net)</li> </ol>
<b>7. Contact Persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With Names, Designation &amp; Addresses)</b>	<ol style="list-style-type: none"> <li>SHOBHIT BHASIN, SALES DIRECTOR Mob: +91-8800314447 Email: shobhit.bhasin@mlsindia.net</li> <li>IVAN HU, CMO Mob: +91-9711097878 Email: ivan@zsmls.com)</li> </ol>
<b>8. E-mail</b>	info@mlsindia.net



# MLS



MLS is the largest manufacturer of SMD & DIP LEDs in the world. Headquartered in Zhongshan China, MLS has a capacity of over 90 billion LED packages per month.

MLS has a comprehensive product portfolio consisting of High, Mid and Low Power LEDs, SMD LEDs, LED Lighting Modules, LED Filaments, LED Digital Displays and many other products and components for lighting applications.

In India, MLS provides a wide choice of LM80 Certified LEDs which are available in warm white, natural white and cool white CCTs. Our customers are using MLS products for all BEE, EESL, Municipal Corporation and Government tenders and other LED projects. MLS also has a wide range of color LEDs available in different LED packages.



## OUR DISTRIBUTORS IN INDIA



**ComponixIndia**

## MLS INDIA PRIVATE LIMITED

714, 7th Floor, DLF Star Tower,  
Sector 30, NH-8, Gurgaon,  
Haryana 122003

+91-124-4867400/401

info@mlsindia.net

www.mlsindia.net

### COMPANY PROFILE:

Founded in 1963, Anchor Electricals Pvt Ltd operates as a wholly owned subsidiary of Panasonic Corporation, Japan, since 2007. The coming together of Anchor and Panasonic has enabled the creation of innovation in energy generation, management and conservation with the leading technology from Panasonic. Anchor is one of the largest domestic manufacturers of electrical construction materials in India with 8 manufacturing locations and boasts of 28 domestic offices and has employee strength of about 9000. Its sales and operating profit are steadily growing and it ended the last financial year with net sales of INR 29.36 billion. Its wide offering ranges from Switches & Accessories, Wires & Cables and Insulation Tapes, Switchgear & Protection Devices, Lighting & Luminaries, Fans and IAQ (Indoor Air Quality) to the emerging business of Solar HIT Photovoltaic Modules, Solar Rooftop, Power tools, IoT devices and Home Automation.

The scintillating journey of the brand has taken a new leap with introduction of products adhering to international standards, some of which are also manufactured in its state-of-the-art manufacturing facilities at Daman, Kutch and Haridwar. The brand breaks through the clutter with its cutting edge technology, fuelled by Panasonic's technological expertise.

Panasonic Corporation, headquartered in Osaka, Japan, is a worldwide leader in the manufacture of electrical and electronic products for a wide range of consumer, business and industrial needs. Panasonic provides solutions and products, to make everyday home and business life simpler, convenient and energy efficient, achieved through innovative technologies. Since 2013, it markets its top end LED lighting solutions tailored for the Indian spaces. Bright Light, adherence to BIS norms, specialty product range that can be used to draw a robust synergy with the architecture of modern premises, the brand ranks No. 1 in Japan.

### ESTABLISHED:

<b>1. Business Domain</b>	Electricals, Manufacturing & Marketing
<b>2. Product Brand</b>	Panasonic and Anchor
<b>3. Manufacturing Facilities</b>	8 manufacturing locations
<b>4. Products Manufactured</b>	Switches & Accessories, Wires & Cables and Insulation Tapes, Switchgear & Protection Devices, Lighting & Luminaries, Fans and IAQ (Indoor Air Quality), Solar HIT Photovoltaic Modules, Solar Rooftop, Power tools, IoT devices and Home Automation.
<b>5. No. of employees</b>	9000 employees
<b>6. Contact Persons for</b> a. Business Development b. Exports c. Production (With names, designation & Addresses)	Rohit Patel, AGM – Led Lighting BU Mobile: (91) 7045598166 or (91) 9833808563 Email: <a href="mailto:rohit.patel@anchor-world.com">rohit.patel@anchor-world.com</a> . Website: <a href="http://www.anchor-world.com">www.anchor-world.com</a>
<b>7. E-mail</b>	<a href="mailto:rohit.patel@anchor-world.com">rohit.patel@anchor-world.com</a> <a href="mailto:ledlighting@anchor-world.com">ledlighting@anchor-world.com</a>

# Panasonic

# LED



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LED DOWN LIGHT



COB DOWN LIGHT



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LED STREET LIGHT

### COMPLETE LED LIGHTING SOLUTIONS



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LED PANEL LIGHT



LED BULB



STRIP LIGHT



LED BATTEN LIGHT

#### Anchor Electricals Pvt. Ltd.

Regd. Office: 3rd Floor, B Wing, I-Think Techno Campus, Pokharan Road No 2, Thane (West), Thane - 400 607. Maharashtra  
Customer Care Cell: 1800-103-8606 | Email: [info@anchor-world.com](mailto:info@anchor-world.com) | [www.anchor-world.com](http://www.anchor-world.com) | [panasonic.net/ecosolutions/lighting/in/](http://panasonic.net/ecosolutions/lighting/in/)

A member of Panasonic Group

### COMPANY PROFILE:

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

### ESTABLISHED:

<b>1. Business Domain</b>	Integrated Lighting Product Manufacturer
<b>2. Product Brand</b>	CROMPTON
<b>3. Manufacturing Facilities</b>	Vadodara and Baddi
<b>4. Products Manufactured</b>	LED, Conventional Lighting Controls and Solar Lighting Products for B2B and B2C segment
<b>5. Details of Exports (Products/countries/value etc.)</b>	Sri Lanka, Nepal, UAE, Africa and Singapore
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	Mr. Shantanu Khosla, Managing Director
<b>7. Contact Persons for</b> <b>a. Business Development</b>  <b>b. Exports</b>  <b>c. Production</b> <b>(With Names, Designation &amp; Addresses)</b>	<p>a. Ms. Uma Lanka Associate Vice President - Design</p> <p>b. Mr. Jaideep Patil Associate Vice President – International Business</p> <p>c. Mr. Nikunj Kumar Mevada General Manager Baroda Plant</p>
<b>8. Regional Offices — Contact Person / Address</b>	<p><b>North:</b> Mr. Anil Bhalla Address: CGCEL, 3RCC Floor, Express Building, Near ITO Crossing, New Delhi – 110 001 E-mail: anil.bhalla@crompton.co.in</p> <p><b>East:</b> Ms. Himadri Choudhury Address: CGCEL, 6th Floor, 50, Chowringhee Road, Near IISCO House, Kolkata – 700 071 E-mail: himadri.choudhury@crompton.co.in</p> <p><b>West:</b> Mr. Manoj Mishra Address: CGCEL, 302, 3rd Floor, Business Square, A wing, Chakala, Mumbai – 400 093 E-mail: manoj.mishra@crompton.co.in</p> <p><b>South:</b> Nageswara Rao Nalam Address: CGCEL, Crompton House, No. 3, Dr. M.G.R. Salai, Kodambakkam High Road, P.B. NO. 3316, Nungambakkam, Chennai – 600 034 E-mail: nageswara.nalam@crompton.co.in</p>
<b>9. E-mail</b>	rajesh.naik@crompton.co.in

**COMPANY PROFILE:**

Halonix Technologies Pvt. Ltd, is amongst the top 5 lighting companies in India. Set up as a brand 25 years ago, We are a progressive, environment friendly lighting company which is at the forefront of emerging technologies such as LED & Solar. The success of Halonix has been built on the back of its unparalleled ability to develop, test and deploy lighting solutions relevant and suitable for Indian conditions making it amongst India's fastest growing residential and institutional lighting company. Pushing the credo of make in India, Halonix has a fully accredited NABL lab within its manufacturing premises which ensures that we deliver high quality products and relevant innovations. Halonix has Pan-India operations and a highly motivated team that endeavours to provide the right solution for the right needs across the length and breadth of the country. That is why our brand credo is the right light.

**ESTABLISHED:**

1. <b>Business Domain</b>	Lighting
2. <b>Product Brand</b>	Halonix
3. <b>Manufacturing Facilities</b>	@Haridwar
4. <b>Products Manufactured</b>	LED Lamps, LED Luminaries, HID and Halogen
5. <b>Other Products Traded</b>	Raw Material
6. <b>No. of Employees</b>	430
7. <b>Directors and their contact details (phone, e-mail, location etc)</b>	Mr. Rakesh Zutshi B-31, Phase II, Noida Tel: 0120-4756100, Email: rakesh.zutshi@halonix.co.in
8. <b>Contact Persons for</b> a. <b>Business Development</b>  b. <b>Exports</b> c. <b>Production</b> <b>(With Names, Designation &amp; Addresses)</b>	a. Mr. Sameer Jindal VP - Institutional Sales, Tel: 9999159666, Email: sameer.jindal@halonix.co.in  B. Mr. Kalyan Mojumder VP - Retail Sales, Tel: 9953100607, Email: kalyan.mojumder@halonix.co.in  c. Mr. Prabhakant Shukla VP - Production, Tel: 9997297111, Email: prabhakant.shukla@halonix.co.in
9. <b>Regional Offices – Contact person / address</b>	<b>Mumbai:</b> Halonix Technologies Pvt. Ltd. B403 – 404, Kemp Plaza, Above Bank of Baroda, Near Mind Space, Off Link Road, Malad- West, Mumbai- 400064. Tel: 022- 42646362  <b>Bangalore:</b> No.6, “Legacy” 1st Floor, Convent Road, Richmond Town, Bengaluru – 560025. Tel: 080- 30527032  <b>Kolkata:</b> 67B Ballygunj Circular Road, Ballygunj Park Tower, 9th Floor, Kolkata – 700019. Tel: 033- 30522790
10. <b>E-mail</b>	customercare@halonix.co.in



## STARLITE LIGHTING LIMITED

6, M.I.D.C Area, Trimbak Road, Satpur, Nasik-422007

Tel: 0253-2354423/24, Fax: 0253-2350832

Email: sujata.paradkar@starlitelighting.com

### COMPANY PROFILE:

**ESTABLISHED:** 4TH JULY 1995

<b>1. Business Domain</b>	Nasik, Maharashtra
<b>2. Product Brand</b>	Ecostar
<b>3. Manufacturing Facilities</b>	<ol style="list-style-type: none"> <li>a. One High Speed fully automatic production line from GE-VTG, Hungary, Europe</li> <li>b. Two High Speed fully automatic production lines from Montena Machinery SA, Switzerland (FALMA)</li> <li>c. LED Manufacturing Line</li> </ol>
<b>4. Products Manufactured</b>	Compact Fluorescent Lamps, T5 Linear, Fluorescent Lamps, T5 Fixtures, LED bulbs, LED battens and Tube, LED Panels and Home Appliances
<b>5. Details of Exports (Products/countries/value etc.)</b>	Product: CFL/LED Country: Europe Value: 8 crores INR
<b>6. No. of employees</b>	96
<b>7. Directors and their contact details (phone, e-mail, location etc)</b>	<ol style="list-style-type: none"> <li>1. Shri. Shekhar R. Bajaj , Mumbai</li> <li>2. Shri. Anant S. Bajaj, Mumbai</li> <li>3. Shri Samir Shrimankar, Mumbai</li> <li>4. Shri. Arvind Bharati, Nasik</li> <li>5. Shri. Ravindra Bharati, Nasik</li> <li>6. Shri. A.L. Sundaresan. Mumbai</li> </ol>
<b>8. Contact Persons for a. Business Development b. Exports c. Production (With names, designation &amp; Addresses)</b>	<ol style="list-style-type: none"> <li>a. Mr. Anil Deshmukh, Vice President, Wadiwarhe, Nasik</li> <li>b. Mr. VSK Nair, GM Marketing, Wadiwarhe, Nasik</li> <li>c. Mr. Mahesh Bakliwal, Sr GM Lighting,, Wadiwarhe, Nasik</li> </ol>
<b>9. E-mail</b>	sujata.paradkar@starlitelighting.com



## WIPRO ENTERPRISES (P) LTD

C Block, CCLG Division, Doddakannelli, Sarjapur Road,  
Bangalore-560035, Karnataka, India

Tel: 080-2844 0011, Fax: 080-2844 0011, Email: 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, Modular Switches and Office Furniture. Wipro Infrastructure Engineering is a diversified engineering business in the fields of Hydraulics, Aerospace, Water Treatment, Additive Manufacturing and Automation Solutions.

### ESTABLISHED:

<b>1. Business Domain</b>	Lighting, Switches, Office Furniture, Personal Care and Home Care
<b>2. Product Brand</b>	Wipro (Lighting), North West (Switches)
<b>3. Manufacturing Facilities</b>	Waluj (Maharashtra), Baddi (H.P), Haridwar (Uttaranchal)
<b>4. Products Manufactured</b>	Lighting, Furniture, Switches and Personal care
<b>5. No. of employees</b>	11000+
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	Mr. Vineet Agrawal CEO, Wipro Consumer Care & Lighting
<b>7. Contact Persons for a. Business Development b. Exports c. Production (With names, designation &amp; Addresses)</b>	Mr. Sanjay Gupta Sr Vice President Wipro Enterprises (P) Ltd. C Block, Doddakannelli, Sarjapur Road, Bangalore - 560035
<b>8. E-mail</b>	sanjay.gupta5@wipro.com

## MERCURY LAMPS (P) LTD.

Industrial Area, Dhalwala, Rishikesh-249201 (Uttarakhand)  
Corporate Office: 64, Laxman Jhoola Road, Rishikesh- 249201  
Tel: 0135-(O) 2430168, 2432168 Fax: 2432198

### COMPANY PROFILE

#### ESTABLISHED:

<b>1. Business Domain</b>	All India
<b>2. Manufacturing Facilities</b>	Fully automatic plant
<b>3. Products Manufactured</b>	GLS Lamps ranging 25W to 200W/LED Lamp
<b>4. Details of Exports (Products/countries/value etc.)</b>	GLS Lamps ranging 25W to 200W/LED Lamp
<b>5. Annual Lighting Turnover</b>	Rs. 7.00 crores (Approx.)
<b>6. No. of Employees</b>	100 nos.
<b>7. Directors and their contact details (phone, email, location etc)</b>	1. Sri. V.K. Agarwal, Director 2. Smt. Shobha Rani Agarwal, Director
<b>8. Contact Persons for a. Business Development b. Exports c. Production (With Names, Designation &amp; Addresses)</b>	Mr. S.K. Bansal, Director -do- -do- 64 , Luxman Jhoola Road, Rishikesh-249201
<b>9. E-mail</b>	mplrshikesh@gmail.com; mercury lamps pvt ltd@gmail.com

**COMPANY PROFILE**
**ESTABLISHED:** NOVEMBER 1993

<b>1. Business Domain</b>	Lighting
<b>2. Product Brand</b>	LEDVANCE Luminaires and EC, OSRAM Lamps
<b>3. Manufacturing Facilities</b>	Third Party
<b>4. Products Manufactured</b>	Lighting and Lighting Accessories
<b>5. No. of Employees</b>	66
<b>6. Directors and their contact details (Phone, E-mail, Location etc)</b>	<ol style="list-style-type: none"> <li>1. Mr. Ralph Ludwig, Managing Director &amp; CEO, Gurgaon                      Email: <a href="mailto:r.ludwig2@ledvance.com">r.ludwig2@ledvance.com</a>                      Ph.: 91-124-4150100</li> <li>2. Mr. Atul Gupta, Whole time Director &amp; CFO, Gurgaon                      Email: <a href="mailto:a.gupta@ledvance.com">a.gupta@ledvance.com</a>                      Ph.: 91-124-4150100</li> </ol>
<b>7. Contact Persons for</b> a. Business Development b. Exports c. Production (With Names, Designation & Addresses)	<ol style="list-style-type: none"> <li>a. BD – Udit Grover,                      Senior Sales Executive                      Signature Towers-1201 &amp; 1202, 12th Floor, Tower-A, South City-1, 122001                      Gurgaon, Haryana, India</li> <li>b. N.A.</li> <li>c. N.A.</li> </ol>
<b>8. Regional Offices – Contact person / address</b>	<p><b>Regional Office (West)</b>                      Mr. Nilesh Nandre (Regional Sales Manager)</p> <p>LEDVANCE Private Limited                      B1/002A, Boomerang, Chandivali Farm Road, Chandivali, Andheri East                      Mumbai – 400072, Tel: +91 – 22 – 62384800</p> <p><b>Regional Office (South &amp; East)</b>                      Mr. Raja Sandar (Regional Sales Manager)</p> <p>LEDVANCE Private Limited                      Shri Sharda Building, 208, 1st Floor, 17th E Main, KHB Colony,                      5th block, Koramangala, Bangalore-560 095, Tel: + 91 - 80 - 48908652</p> <p><b>Regional Office (North)</b>                      Mr. Vinay Bharti (Regional Sales Manager)</p> <p>LEDVANCE Private Limited                      Signature Towers, Tower - A, 12th Floor, 1201-1202, South City-1,                      Gurgaon -122001, Haryana, India, Tel: + 91 - 124 - 4150100</p>
<b>9. Any other information</b>	<a href="http://www.ledvance.in">www.ledvance.in</a>
<b>10. E-mail</b>	<a href="mailto:customercare@ledvance.com">customercare@ledvance.com</a>

### COMPANY PROFILE:

Alien Group manufactures LED light and Solar products. Alien group works in the area of energy efficiency and renewable energy.

Alien Group is a grade 1 ESCO company registered with BEE/EESL. Alien Group has executed many projects on shared saving through ESCO route.

Alien Group has been awarded by BEE as the best ESCO. Alien Group has a large setup for R&D in Sahibabad, Ghaziabad.

### ESTABLISHED:

1. Business Domain	LED Lighting & Solar Product
2. Product Brand	alienenergy™
3. Manufacturing Facilities	A 16/6, Om Sai Complex, Site IV, Industrial Area, Sahibabad Ghaziabad (UP)- 201010 Contact: 7840047512 / 26
4. Products Manufactured	All types of LED Light & Solar Product
5. Other Products Traded	Electronics Controls / Energy Savings Devices
6. Details of Exports (Products/countries/value etc.)	Srilanka, Africa, Bangladesh, Nepal, Turkey
7. No. of employees	150
8. Directors and their contact details (phone, e-mail, location etc)	1. Akash Jain (akashjain@alienenergy.in) Contact: 9810160265  2. Monika Jain (monikazain28@gmail.com)
9. Contact Persons for a. Business Development b. Exports c. Production (With names, designation & Addresses)	a. Anjani Kumar (anjani@alienenergy.in) b. Dinesh Sharma (dinesh@alienenergy.in) c. Pratibha Verma (pratibha@alienenergy.in)
10. Regional Offices (Contact person / address)	<b>Akash Jain</b> Mob: 9810160265 North: 91, Kiran Vihar, Karkardooma, Delhi-110092  <b>Jay Parekh</b> Mob: 9820282142 West: 102, 1st Floor, Solitaire Heights CHS Ltd., Goregaon, Mumbai - 400 104
11. E-mail	akashjain@alienenergy.in info@alienenergy.in enquiry@alienenergy.in

### COMPANY PROFILE:

OSRAM Head Office based in Munich (Germany), is a leading global high-tech company with a history dating back more than 110 years. Primarily focused on semiconductor-based technologies, our products are used in highly diverse applications ranging from virtual reality to autonomous driving and from smartphones to smart and connected lighting solutions in buildings and cities. OSRAM uses the endless possibilities of light to improve the quality of life for individuals and communities.

OSRAM in India is one of the premier and leading lighting technology company. India operating structure is divided into 4 business units.

**Lighting Solution** provides complete lifecycle lighting solutions in focused verticals like office, industry, retail, and smart cities. It has a wide range of offerings starting from energy audits, lighting design, providing a solution, commissioning, and maintenance. In addition, it drives innovation in connected smart lighting by facilitating interconnectivity and the Internet of things to run on existing infrastructure.

**Digital System** provides integrated and intelligently customized solutions for all lighting applications. It has a wide portfolio comprising LED modules covering flexible strips, down lighting and signage.

**Specialty Lighting** provides a wide range of lamps & applications for various sectors. Its largest business segment is automotive lighting. In addition, business is done for special lamps in the niche applications such as airport lighting, cinema projection, stage lighting, UV lighting and medical. **Opto Semiconductor Business Unit** provides LED chips for a wide range of businesses and applications covering Automotive, Multimarket (industry, consumer) and general Lighting.

### ESTABLISHED:

1. <b>Business Domain</b>	Lighting
2. <b>Product Brand</b>	OSRAM
3. <b>Manufacturing Facilities</b>	India and globally across 17 countries
4. <b>Products Manufactured</b>	Automotive Lighting, LED Drivers and modules, Luminaires, Controls, Opto semiconductors
5. <b>Other Products Traded</b>	Automotive Lighting, LED Drivers and modules, Luminaires, Controls, Opto semiconductors
6. <b>No. of employees</b>	OSRAM has approximately 26,400 employees worldwide
7. <b>Directors and their contact details (India)</b>	Avinder Singh CEO, OSRAM Lighting Private Limited
8. <b>Contact Persons for (India)</b> a. <b>Business Development</b> b. <b>Exports</b> c. <b>Production</b>	Ashok Viswanathan ashok.viswanathan@osram.com  Nitin Saxena n.saxena@osram.com
9. <b>Regional Offices (India) (Contact details)</b>	<b>North &amp; East:</b> IFFCO Surinder Jakhar Bhavan, 1st Floor, Plot No 3, Sector - 32, Gurugram-122001, Haryana, India, Tel: +91124 6261300  <b>West:</b> A Wing 503, City Point Commercial Complex, Andheri-Kurla Road, Andheri (East), Mumbai-400 059, Tel: +91 22 61401300  <b>South:</b> Prestige Pinnacle, No. 113, 1st floor, 7th Block, Kormangala Industrial Estate, Bangalore - 560095, Tel: +91 8046462000

**COMPANY PROFILE:**

With over 60 years of experience in commercial lighting, Keselec has been at the cutting edge of outdoor lighting solutions. As a brand Keselec has been synonymous with offering Smart & Aesthetical LED lighting solutions and applications.

**ESTABLISHED:** 1957

<b>1. Business Domain</b>	Lighting Solutions & Controls
<b>2. Product Brand</b>	KESELEC
<b>3. Manufacturing Facilities</b>	55, Industrial Area, NIT, Faridabad- 121001, Haryana
<b>4. Products Manufactured</b>	LED Luminaires, Poles & Brackets
<b>5. No. of Employees</b>	100
<b>6. Directors and their contact details (phone, e-mail, location etc)</b>	Chekitan Sawhney - Managing Director  210, Charmwood Plaza, Eros Garden City, Charmwood Village, Surajkund Road, Faridabad-121009 Haryana.  E: chekitans@keselec.com
<b>7. Contact Persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With Names, Designation &amp; Addresses)</b>	Rakesh Sharma - Director-New Initiatives  210, Charmwood Plaza, Eros Garden City, Charmwood Village, Surajkund Road, Faridabad-121009 Haryana  E: rakeshs@keselec.com
<b>8. E-mail</b>	info@keselec.com

## COMPANY PROFILE:

Surya Roshni Ltd., an ISO certified company presents a wide range of lighting solutions, steel pipes, PVC pipes, fans and home appliances products. Surya, is one of the leading pacemakers in LED lighting and steel pipe industry. The company has also ventured in the fans and home appliances segment in the year 2013-14 with a wide range of offerings.

All the LED products are manufactured in-house which are energy efficient with extremely lower maintenance cost and comes with the facilitation of a remarkable life span. One of the potential market leaders in the steel pipe & tube industry in India, Surya manufactures steel pipe products for agriculture, infrastructure, oil & gas and construction sectors, out of which the products for oil & gas sector are approved by API (American Petroleum Institute).

Surya Roshni manufactures a wide range of products at the 6 state-of-the-art lighting and steel pipe manufacturing units equipped with modern technology located at five places in Kashipur (Uttarakhand), Malanpur (Gwalior), Bhuj (Gujarat), Bahadurgarh (near Delhi) and Hindupur (A.P). Manifesting a strong brand image, the brand has carved out a niche for itself. Surya's R&D centre, STIC, Surya Technology and Innovation Centre, caters to Photometric, Electrical, Mechanical and Endurance test requirements for the development of latest generation energy saving luminaires.

The Brand with its international presence exports its products to over 50 nations and is steadfast on expanding its business in the unexplored nations as well. Today, Surya Roshni has reached the applauding Rs. 5012 Crores (800 million US\$) revenue, with its extensive network of 2.5 Lac dealers/retailers across Pan-India. The brand has achieved the absolute trust of the consumers of not just India, but internationally as well, with its quality-assurance, high-end performance and superior technology of its products.

## ESTABLISHED: 1973

1. Business Domain	Lighting, Fans, Home Appliances, ERW Steel Pipes, Helical sub-merged arc welded pipes & cold rolled strips
2. Product Brand	SURYA
3. Manufacturing Facilities	Two state-of-the-art plants at Gwalior, one each for Light Sources and High Mast Lighting Systems/Octagonal Poles. Other Plant at Kashipur for Light Sources including HID Lamps
4. Products Manufactured	LED Lamps, LED Street Lights, LED Downlighters, Electronic Ballasts, CFL, T-5 Lamps, FTL, GLS, Metal Halide, HPSV, HPMV, B22 Caps, Filaments, Glass Shells for GLS Lamps, Fluorescent Tube Lamps & CFL Tubings
5. Other Products Traded	LEDs, Luminaires, Octagonal Poles, High Mast Lighting System and Electronic Lighting Controls
6. Details of Exports	Products - LED LAMP/LED DOWNLIGHTER/CFL/GLS/FTL/SHELLS/FIXTURES Countries - Europe/Latin America/SAARC/Middle East/Africa Value - Rs. 6500 Lacs approx
7. No. of Employees	3500
8. Directors	Mr. J.P. Agarwal - Chairman, Mr. Raju Bista - MD, Mr. Mukesh Tripathi - Director
9. Contact Persons for: a Business Development b Exports c Luminaires & High Mast	Mr. Ramanjit Singh, CEO Mr. A. Ghosh, GM - Exports Mr. V. Sen, Sr. VP - LBG
10. Regd. Office – Contact person/address	<b>Head Office:</b> Padma Tower - 1, 2nd Floor, Rajendra Place, New Delhi - 110008 Tel.: 011-47108000/25810093-96 Fax: 011-25789560 <b>Regd. Office:</b> Prakash Nagar, Sankhol, Bahadurgarh, Haryana - 124507 Tel.: 01276-241540/41 <b>Contact Person:</b> R.K. Jaggi, Sr. President (Lighting)
11. E-mail	ramanjit.singh@surya.in, aghosh@ho.surya.in, v.sen@ho.surya.in, rkjaggi@mInl.surya.in

## LITEX ELECTRICALS PVT. LTD.

W 134, S Block, MIDC, Bhosari, PUNE 411026 (INDIA)

Tel : +91 20 66301072/73

Email: sales@liteselectricals.com, Website: www.liteselectricals.com

### COMPANY PROFILE:

LITEX is the manufacturer of the widest range of Halogen Lamps in India and aims to be a major manufacturer of high value-added light sources with significant revenues from exports.

LITEX is promoted by Dr. Avinash Kulkarni (Chairman & Managing Director) who has over 40 years experience in the U.S. and Indian lamp industry.

LITEX has a very active R & D group, and the company received the National Award for Excellence in R & D from Department of Science & Technology, Government of India in December, 1991.

A major strength of LITEX is its ability to design and develop new lamps in short time and manufacture them economically even in a limited production quantity. There is inherent machine design capability, leading to fast upgradation and capacity ramp-up, and excellent domain knowledge of light sources.

### ESTABLISHED:

<b>1. Business Domain</b>	Halogen Lamps (Manufacturing)
<b>2. Product Brand</b>	LITEX
<b>3. Manufacturing Facilities</b>	3.6 million lamps per year
<b>4. Products Manufactured</b>	1) Halogen Lamps for a) Floodlighting, b) Stage/Studio/Video, c) Infrared Heating 2) Laser Pumping Lamps
<b>5. Other Products Traded</b>	None
<b>6. Details of Exports (Products/countries/value etc.)</b>	Infrared Lamps to US, UK, Australia, Egypt Laser Pumping lamps to Canada, Israel
<b>7. No. of employees</b>	50
<b>8. Directors and their contact details (phone, e-mail, location etc)</b>	1. Dr Avinash D Kulkarni — CMD 2. Dr Ravindra D Kulkarni 3. Mr Shirish V Karkarey — ED 4. Mr Rahul R Kulkarni
<b>9. Contact Persons for a. Business Development b. Exports c. Production (With names, designation &amp; Addresses)</b>	a. Dr S V Rajarshi — Senior Manager, BD b. Mr S V Karkarey — ED c. Mr S V Karkarey — ED
<b>10. E-mail</b>	sales@liteselectricals.com; svk@liteselectricals.com

**COMPANY PROFILE:**
**ESTABLISHED:**

<b>1. Business Domain</b>	Complete lighting solutions
<b>2. Product Brand</b>	Jaquar Lighting
<b>3. Manufacturing Facilities</b>	Manesar
<b>4. Products Manufactured</b>	Complete lighting products
<b>6. Details of Exports (Products/countries/value etc.)</b>	Complete LED lighting products / Africa, Middle East, Asia Pacific / 5 crore
<b>8. No. of Employees</b>	529 ( Lighting Division)
<b>9. Directors and their contact details (phone, e-mail, location etc)</b>	Mr. Ranbir Mehra – Director Jaquar lighting Email: ranbir.mehra@jaquar.com
<b>10. Contact Persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With Names, Designation &amp; Addresses)</b>	Mr. Mohit Sharma Business Head- Jaquar lighting M: 9810716904 Email: mohit.sharma@jaquar.com
<b>11. Regional Offices – Contact person / address</b>	Manesar – Mr. Mohit Sharma
<b>13. E-mail</b>	mohit.sharma@jaquar.com

**COMPANY PROFILE:**

**ESTABLISHED:**

<b>1. Business Domain</b>	HID LAMPS
<b>2. Product Brand</b>	VENTURE
<b>3. Manufacturing Facilities</b>	Madras Export Processing Zone SEZ - Tambaram, Chennai
<b>4. Products Manufactured</b>	HID Lamps - MH/HPSV/HPMV, HID Fixtures (Luminaires) , LED Lamps
<b>5. Other Products Traded</b>	LED Lamps, HID Ballasts, Electronic Ballasts, Ignitors, Capacitors, LED Lights and Luminaires
<b>6. Details of Exports (Products/countries/value etc.)</b>	USA, Europe, Australia, South America, Far-East Asia, Gulf countries.
<b>7. No. of employees</b>	450
<b>8. Directors and their contact details (phone, e-mail, location etc)</b>	1. Mr. Sabu Krishnan 2. Mr. K.S.S. Panikar, Ph: 91 9940160845, Email: panikar@vlindia.com
<b>9. Contact Persons for a. Business Development b. Exports c. Production (With names, designation &amp; Addresses)</b>	Mr. Lalu Chandran Deputy General Manager Plot No. A30, D5 Phase II, Zone B, MEPZ, Tambaram, Chennai -600 045, India. Ph: 91 9003275847
<b>10. E-mail</b>	panikar@vlindia.com

**COMPANY PROFILE:**
**ESTABLISHED:**

<b>1. Business Domain</b>	Electrical Lighting Products
<b>2. Product Brand</b>	orient electric
<b>3. Manufacturing Facilities</b>	2 Manufacturing facilities in Noida
<b>4. Products Manufactured</b>	LED Lamps, Panels, Battens, Street Lights, Flood Lights Down Lighters & Industrial Lights
<b>5. Other Products Traded</b>	LED Strip light, COB Spot Light, Solar Street Light, Decorative Light & Landscape Lights
<b>6. Details of Exports (Products/countries/value etc.)</b>	LED Lamps, Battens Street light (UAE, Nepal & Singapore)
<b>7. Annual Lighting Turnover (Not mandatory)</b>	N.A.
<b>8. No. of employees</b>	350 Nos
<b>9. Business Head and their contact details (phone, e-mail, location etc)</b>	Mr. Puneet Dhawan Email: puneet.dhawan@orientelectric.com
<b>10. Contact Persons for a. Business Development b. Exports c. Production (With Names, Designation &amp; Addresses)</b>	a. Mr. Puneet Dhawan (Sr. VP) b. Mr. Durgesh Buxy (GM) c. Mr. Kamlesh Pant (GM)
<b>11. E-mail</b>	puneet.dhawan@orientelectric.com

**COMPANY PROFILE:**

Simoco Telecommunications (South Asia) Limited is one of the major technology companies in India having experience of more than 36 years. The company is having a modern state-of-the-art and fullfledged manufacturing facility with ISO 9001 and ISO 14001 accreditation. It was earlier known as Philips Telecommunication Industries Limited and prior to that, Webel Telecommunication Industries Limited. In the process of diversification considering the present scenario of using renewable energy resources in India, Simoco stepped into manufacturing of led products like LED street lighting systems, LED Flood Light, LED Bay Light, solar LED Lanterns etc. & have supplied good number of these products to various customers across the country. All products have been tested and approved by electronics regional testing laboratory (ERTL), East, Kolkata and UL India Pvt. Limited, Gurgaon. The company has already been awarded many prestigious projects of various LED lighting and Solar LED products including street light, flood light, bay light, indoor lights, lanterns, home light systems, etc. from various Govt. organizations, PSUs as well as private agencies.

**ESTABLISHED:** 2nd April, 1979

<b>1. Business Domain</b>	Manufacturing of LED luminaires and smart LED lighting control system
<b>2. Product Brand</b>	Simoco
<b>3. Manufacturing Facilities</b>	Godrej Genesis Building, Block EP & GP, Salt Lake Electronics Complex, Kolkata-700091
<b>4. Products Manufactured</b>	LED Street Light, Flood Light, Bay Light, Indoor Light, Smart Control System
<b>5. Other Products Traded</b>	Solar Lighting System
<b>6. No. of employees</b>	250
<b>7. Directors and their contact details (phone, e-mail, location etc)</b>	Mr. Sanjoy Kumar Ghosh, Managing Director Email: sanjoy.ghosh@simoco.net
<b>8. Contact Persons for</b> <b>a. Business Development</b> <b>b. Exports</b> <b>c. Production</b> <b>(With names, designation &amp; Addresses)</b>	a. Mr. Salil Chaudhuri, Executive Director Email: salil.chaudhuri@simoco.net b. - c. Mr. Kamalendu Polley, GM - Development Email: kamalendu.polley@simoco.net
<b>9. Regional Offices (Contact details)</b>	<b>1. New Delhi:</b> B-102, 1st Floor, Lajpat Nagar-I, (Near Lajpat Nagar Metro Station) New Delhi-110024 <b>2. Tripura:</b> Holding No. 1539/356 Ker Chowmuhuni, Thakurpally Road, Agartala-799001, Tripura <b>3. Assam:</b> House No. 20, Lichubari, Six Mile, Khanapara, Guwahati-781022, Assam
<b>10. Any other information</b>	Website: www.simoco.net
<b>11. E-mail</b>	debabrata.chakra@simoco.net

**COMPANY PROFILE:**

**ESTABLISHED:**

<b>1. Business Domain</b>	LED Lighting Products
<b>2. Product Brand</b>	SYSKA
<b>3. Manufacturing Facilities</b>	Rabale Mumbai & Chakan, Pune
<b>4. Products Manufactured</b>	LED Bulb, LED Downlight, LED Tube Light, LED Street Light, LED Beam Light, LED Hi bay light
<b>5. Details of Exports (Products/countries/value etc.)</b>	All LED Products UAE, African Countries, South East Asia, Philippines
<b>6. No. of employees</b>	1600
<b>7. Directors and their contact details (phone, e-mail, location etc)</b>	1. Mr. Govind Uttamchandani 2. Mr. Rajesh Uttamchandani Tel: 0204013100
<b>8. Contact Persons for</b> <b>a. Business Development</b>  <b>b. Exports</b>  <b>c. Production (With names, designation &amp; Addresses)</b>	a. Mr. Swapnil Shinde, Asst. Vice President  b. Mr. Ajay Mehra, Sr. Vice President  c. Mr. Sunil Gaikwad, Sr. Vice President
<b>9. Regional Offices Contact person / address</b>	<b>1) Mumbai Office</b> Contact Person: Mr. Vishal Chabria Syska LED Lights Pvt. Ltd., 601, 6th Floor, Center Point, A. K. Road, Near Chakala Metro Station, Andheri East, Mumbai - 400059  <b>2) Delhi Office</b> Contact Person: Mr. Dhruv Singh Syska LED Lights Pvt Ltd 609-610, 6th Floor, DLF Tower Moti Nagar, New Delhi - 110034
<b>10. E-mail</b>	swapnil.s@sskgroup.in

# Smart Lighting Solutions

# Crompton



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Our Brands

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SYSKA LED is proud to have jumpstarted the LED revolution in India, and continues to bring world-class technology and products to light up homes, offices, shops, factories, public spaces and infrastructure, blazing new trails to a brighter, more energy-saving and cost-efficient future. Truly, light years ahead.

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WiFi-enabled bulbs and lamps, controlled by voice-command via Amazon Alexa.



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A 5-star BEE rating for this super-bright 120 lumens/watt wonder.



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With 3 brightness settings (100%/50%/30%), to suit your mood and need.



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Lasts up to 50,000 hours



Operating voltage (90 – 300 Volts)



2-year warranty



Non-toxic, no lead or mercury

Corporate Office: Syska House, Plot No. 89/90/91, Survey No. - 232/1/2, Off VIP Airport Rd., Lane No. 4, Sakore Nagar, Lohegaon, Pune - 411 014, Maharashtra, India. | Toll Free: 1800 102 8787 | Email: [customercare.led@sskgroup.in](mailto:customercare.led@sskgroup.in) | [www.syska.co.in](http://www.syska.co.in)



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