



Smart solutions.
Strong relationships.

Lamps Catalogue



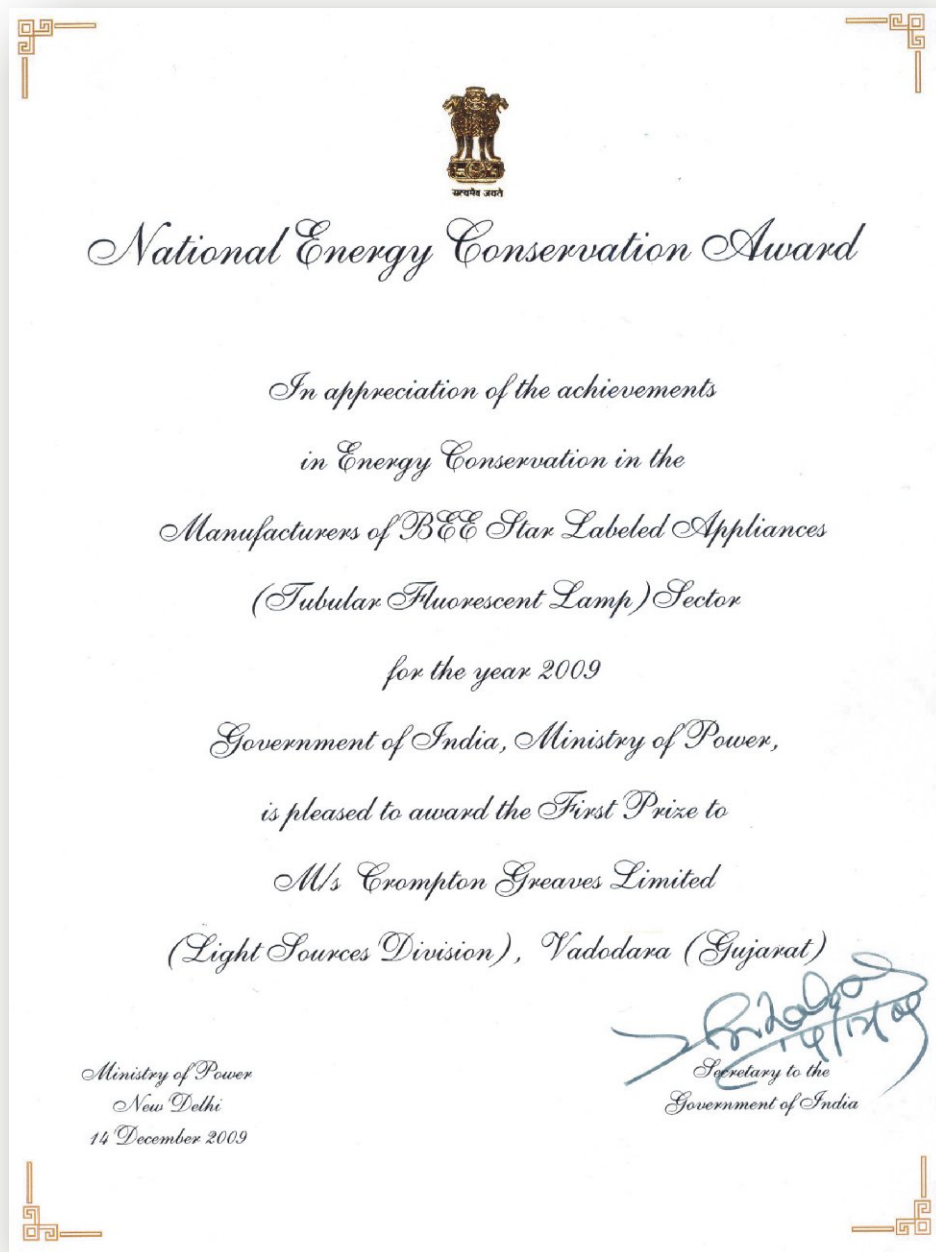
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Superbrand
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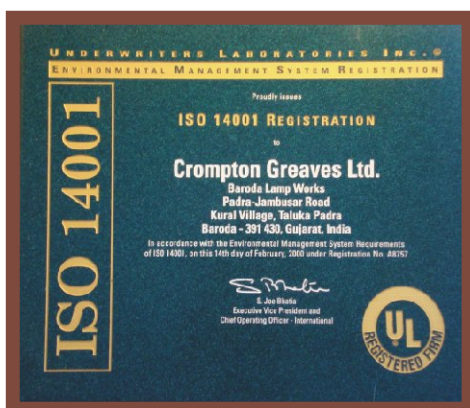
CONSUMER VALIDATED

Awards and Certificates

National Energy Conservation Award



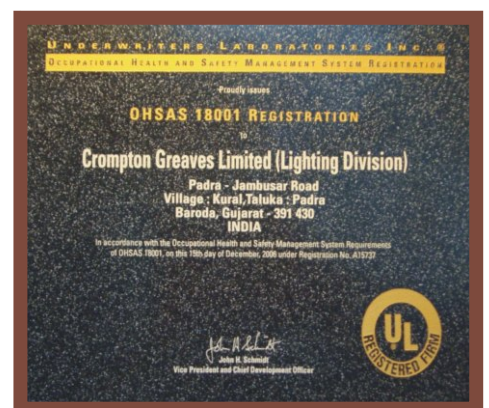
Certificate awarded by Ministry of Power, Govt. of India.



ISO 14001

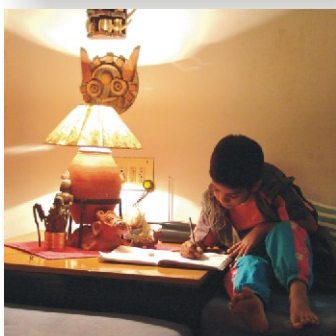
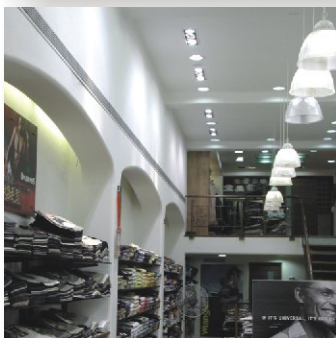
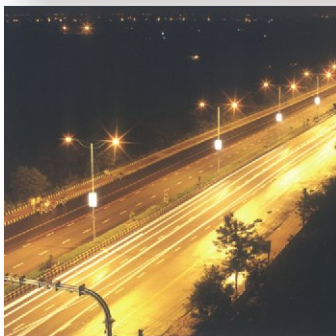


ISO 9000



OHSAS 18001

Prologue



Crompton Greaves Limited is a part of the USD 3 billion Avantha Group, a conglomerate with an impressive global footprint. It's Indian operations were established in 1937, and since then the company has retained its leadership position in the management and application of electrical energy. Colonel Rookes Evelyn Bell Crompton an engineer, inventor and pioneer, created the first electrically lit house in Colchester - powered by a dynamo that went by his name. His heritage is still preserved in India in the form of Crompton Greaves Limited, a company whose ancestry can be traced back to 1878 in Chelmsford, UK, where it was originally founded.

Today, Crompton Greaves is India's largest private sector enterprise. It has diversified extensively and is engaged in designing, manufacturing and marketing technologically advanced electrical products and services related to power generation, transmission and distribution, besides executing turnkey projects. The company is customer-centric in its focus and is the single largest source for a wide variety of electrical equipment and products.

The Lighting Business Group of Crompton Greaves has been a pioneering player in the field of artificial illumination for the last three decades and has also received Superbrand Status. The company has state of the art ISO 9001, ISO 14001 and OHSAS 18001 certified production facilities in Baroda and Mumbai and it caters to global requirements for a wide range of light sources and luminaires. The company has developed a range of aesthetic & energy efficient products and is also a major player in Green Lighting with its range of LED light sources.

Crompton Greaves has been offering its customers high quality technologically advanced products in every segment. The constant endeavours in the field of innovation and delivering products which are futuristic to the customers has made Crompton Greaves to be known as a company to deliver **Smart Solutions** and this has helped Crompton Greaves develop **Stronger Relationships** with its customers forever.

Incandescent Lamps

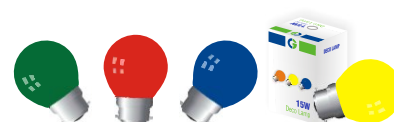
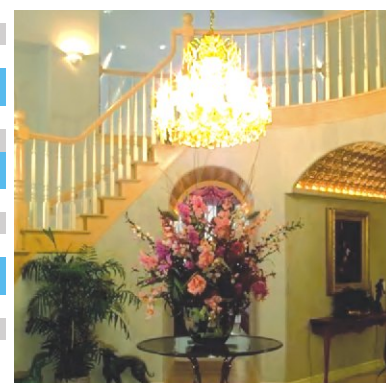
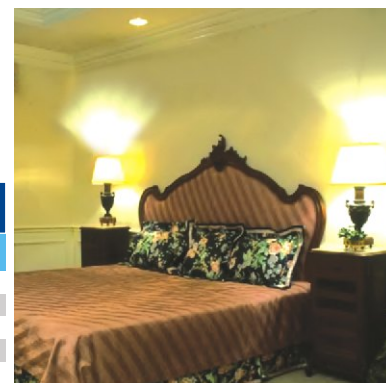
GLS Lamps

Incandescent Lamps are the most widely used lamps in our country. Continuous research and development has led to the development of a variety of incandescent lamps over the years. The basic advantages of these lamps are instantaneous light and low installation cost.

Applications

- Standard GLS lamps are widely used in domestic segment.
- Mushroom lamps of 250V are ideal for industrial applications.
- Coated lamps are used for soft, diffused and low-glare light.
- Night and Deco lamps are used for low level illumination and decorative purpose.

Product	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
Standard GLS Clear Lamps				
GLS 25 W BC 230V	B22	25	230	108.5
GLS 40 W BC 230V	B22	40	415	108.5
GLS 60 W BC 230V	B22	60	710	108.5
GLS 100 W BC 230V	B22	100	1340	108.5
GLS 40 W ES 230V	E27	40	415	110.0
GLS 60 W ES 230V	E27	60	710	110.0
GLS 100 W ES 230V	E27	100	1340	110.0
GLS 200 W BC 250V	B22	200	3000	165.0
GLS 200 W ES 250V	E27	200	3000	166.5
GLS Clear Mushroom Lamps				
GLS 60 W Mush BC 250V	B22	60	695	108.5
GLS 100 W Mush BC 250V	B22	100	1320	108.5
GLS Milky Lamps -(Cromsoft)				
GLS 40 W Soft BC 230V	B22	40	360	108.5
GLS 60 W Soft BC 230V	B22	60	630	108.5
GLS 100 W Soft BC 230V	B22	100	1220	108.5
Special Lamps				
Night Lamp Clear 15 W BC	B22	15	100	71.0
Night Lamp Frosted 10 W BC	B22	10	45	71.0
Deco Lamps 15 W BC (Red, Yellow, Orange, Blue, Green, Milky)	B22	15	N.A.	71.0



Halogen Lamps

Halogen lamp is the miniature version of incandescent lamp. Special feature of this lamp is the regenerative cycle of Halogen, which makes it possible to achieve higher levels of light output as well as a longer life. Double ended linear halogen lamps with quartz glass envelope are available in 500W and 1000W. These lamps are preferred for their crisp white light and a rated average life of 2000 burning hours.

Application:

- Linear Halogen lamps are used in a variety of applications like hoarding lighting, security lighting, flood lighting at construction sites, facade lighting, etc.

Product	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
Halogen Lamp 500W	R7s	500W	9500	117.6
Halogen Lamp 1000W	R7s	1000W	20000	189.1



Fluorescent Tubular lamps

FTLs

Fluorescent tubular lamps are the efficient lighting option for commercial as well as household applications. Luminous efficacy and availability of modern efficient luminaires, have made Fluorescent Tubular Lamps the most widely used light source in the commercial segment. These lamps are low pressure mercury vapour discharge lamps having glass shell internally coated with a mixture of fluorescent powders.





Super Saver Lamps (26 mm dia) are FTLs with a 10% saving on electricity consumption. Triple coil and anode ring enhance the operating life.

Powerlux lamps are special fluorescent lamps with 30% more light than the traditional FTLs. These lamps have a special coating of triband phosphor which helps in improving the light output as well as colour rendering index (Ra = 80).

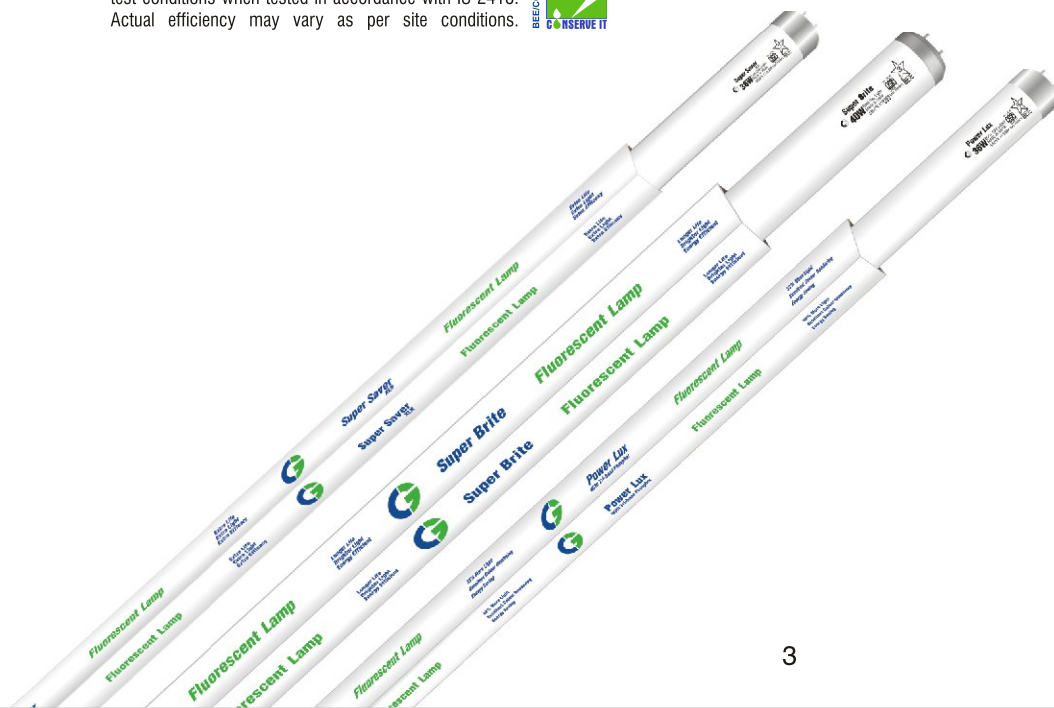
T5 FTLs (17mm dia.max) mandatorily operate with high frequency electronic ballast and are coated with Triband Phosphor which helps in improved light output as well as high colour rendering index (Ra=85). These lamps are very energy efficient and boast of high luminous efficacy and enhanced lamp life as compared to the standard FTL.

Applications

- Standard fluorescent tubular lamps (Super Brite and Super Saver) are used in offices , industries and homes in general.
- Powerlux is ideally used in departmental stores, garment shops, jewellery shops, hotels and a variety of applications where a high colour rendering index is desired.
- T5 lamps are ideal for modern offices, shopping malls and similar commercial areas.

Product	Star Labeling	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
FTL 20 W Super Brite		G-13	20	940	604.0
# FTL 40 W Super Brite	3★ 	G-13	40	2450	1213.6
FTL 18 W Super Saver		G-13	18	1015	604.0
# FTL 36 W Super Saver	3★ 	G-13	36	2450	1213.6
FTL 18 W Powerlux 6500K		G-13	18	1300	604.0
FTL 18 W Powerlux 2700K		G-13	18	1300	604.0
# FTL 36 W Powerlux 6500K	5★ 	G-13	36	3250	1213.6
# FTL 36 W Powerlux 2700K	5★ 	G-13	36	3250	1213.6
FTL 14 W T5-6500K		G-5	14	1220	563.2
FTL 28 W T5-6500K		G-5	28	2760	1163.2
FTL 24 W T5-6500K(HO)		G-5	24	1900	563.2
FTL 54 W T5-6500K(HO)		G-5	54	4500	1163.2

Above ratings are as per BEE star rating plan under test conditions when tested in accordance with IS 2418. Actual efficiency may vary as per site conditions.



Compact Fluorescent Lamps

Integrated Compact Fluorescent Lamps - direct fit

Integrated Compact Fluorescent Lamps - direct fit, are fluorescent sources with built-in high frequency electronic ballasts. These are available in two colour appearances: Warm White and Cool Daylight.

These lamps are widely used for localized lighting as an effective replacement of incandescent lamps. They save upto 80% of electricity over conventional incandescent lamps of similar light output.

Integrated Compact Fluorescent Lamps - Direct Fit

Product	Base	Wattage	Nominal Lumens	Max. Length (mm)
CFL 5W DF 2U/65	B22	5W	220	121
CFL 5W DF 2U/27	B22	5W	235	121
CFL 5W DF 2U E14/65	E14	5W	220	121
CFL 5W DF 2U E14/27	E14	5W	235	121
CFL 9W DF 2U/65	B22	9W	430	142
CFL 9W DF 2U/27	B22	9W	475	142
CFL 9W DF 3U/65	B22	9W	450	123
CFL 9W DF 3U/27	B22	9W	450	123
CFL 11W DF 2U/65	B22	11W	570	149
CFL 11W DF 2U/27	B22	11W	600	149
CFL 11W DF 3U/65	B22	11W	600	132
CFL 15W DF 2U/65	B22	15W	815	169
CFL 15W DF 2U/27	B22	15W	840	169
CFL 15W DF 3U/65	B22	15W	850	148
CFL 15W DF 3U/27	B22	15W	860	148
CFL 20W DF 3U/65	B22	20W	1150	165
CFL 20W DF 3U/27	B22	20W	1200	165
CFL 25W DF 3U/65	B22	25W	1400	183
CFL 9W DF/65 SPIRAL	B22	9W	475	124
CFL 9W DF/27 SPIRAL	B22	9W	490	124
CFL 15W DF/65 SPIRAL	B22	15W	925	140
CFL 15W DF/27 SPIRAL	B22	15W	960	140
CFL 25W DF/65 SPIRAL	B22	25W	1500	165
CFL 35W DF 4U/65	B22	35W	2400	205
CFL 35W DF 4U E27/65	E27	35W	2400	205
CFL 45W DF 4U/65	B22	45W	3000	235
CFL 45W DF 4U E27/65	E27	45W	3000	235
CFL 65W DF 4U/65	B22	65W	4200	288
CFL 65W DF 4U E27/65	E27	65W	4200	288
CFL 85W DF 4U/65	B22	85W	5525	324
CFL 85W DF 4U E27/65	E27	85W	5525	324



Advantages

- a) Ease of handling and longer re-lamping intervals.
- b) Flicker free operation.
- c) Long life (approx. 6 times of incandescent lamps).
- d) Wide voltage operation: 170V to 250V.
- e) The High Wattage CFLs can easily replace High Wattage GLS & HID Lamps.

Applications

- Household, Hotels, Shops, Hospitals, etc.



Note:- All CFL direct fit lamps from 5W to 25W are ISI marked and with High Power Factor (PF \geq 0.85)

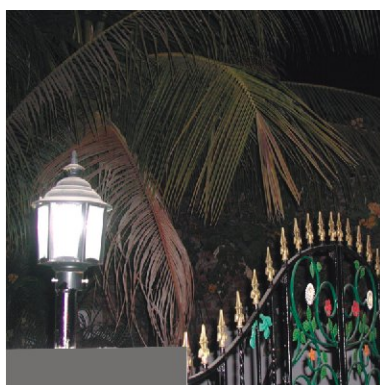
Compact Fluorescent Lamps

Non Integrated Compact Fluorescent Lamps - Pin Type

Non-Integrated Compact Fluorescent Lamps - Pin type, are used with external ballast, conventional or Electronic, with cathode pre-heating. These are available in two colour appearances: Warm White and Cool Daylight.

These lamps are suitable for modern lighting systems with high luminaire design flexibility and are preferred for their sleek and compact shape.

Product	Base	Wattage	Nominal Lumens	Max. Length (mm)
CFL9W 2P/65	G23	9W	600	170
CFL9W 2P/27	G23	9W	600	170
CFL11W 2P/65	G23	11W	900	240
CFL11W 2P/27	G23	11W	900	240
CFL10W XP/65	G-24d-1	10W	600	115
CFL10W XP/27	G-24d-1	10W	600	115
CFL13W XP/65	G-24d-1	13W	900	135
CFL13W XP/27	G-24d-1	13W	900	135
CFL18W XP/65	G-24d-2	18W	1200	155
CFL18W XP/27	G-24d-2	18W	1200	155
CFL26W XP/65	G-24d-3	26W	1800	175
CFL26W XP/27	G-24d-3	26W	1800	175
CFL36W 4P /65	2G11	36W	2900	415
CFL36W 4P /27	2G11	36W	2900	415



Advantages

- a) Excellent colour rendering.
- b) Available in wide range (9W to 36W).
- c) Long life (approx. 6 times of incandescent lamps).
- d) Low heat generation.

Applications

- Offices, Commercial complexes, Shopping malls, Landscaping, etc.



HID Lamps

High Pressure Sodium Vapour Lamps

HPSV lamps have very high luminous efficacy with a substantial possibility of saving in electricity consumption. Light in these lamps is produced in a burner of translucent PCA tube by an electric discharge of sodium and mercury vapours through a medium of rare gases. These lamps emit golden white light. These lamps can be operated at a varied ambient temperature ranging from -25 degree C to 60 degree C.

Applications

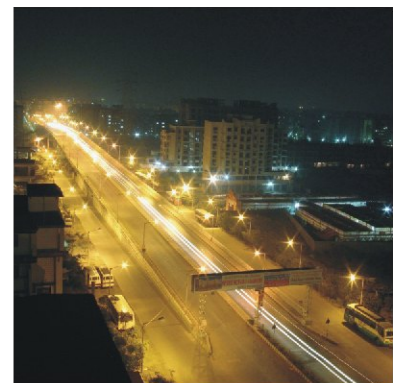
- HPSV lamps are used for lighting of public thoroughfares, storage yards, open-air work sites, process plants, interiors with high ceiling heights, etc.

Product	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
70 Watt SON -E	E-27	70	5600	165
70 Watt SON -I	E-27	70	5600	165
150 Watt SON-E	E-40	150	13500	227
250 Watt SON-E	E-40	250	26000	227
400 Watt SON-E	E-40	400	42300	292
70 Watt SON -T	E-27	70	5600	156
150 Watt SON-T	E-40	150	14000	211
150 Watt SON-T Super	E-40	150	17000	211
250 Watt SON-T	E-40	250	27000	260
250 Watt SON-T Super	E-40	250	32000	260
400 Watt SON-T	E-40	400	42300	292
400 Watt SON-T Super	E-40	400	55000	292

Burning position



E- Elliptical I- Internal Ignitor T- Tubular



Metal Halide Lamps

These new generation lamps are the ultimate choice in the HID family where good colour rendering property is required along with high luminous efficacy. Metal Halide Lamps consist of a discharge tube, containing mercury and a combination of rare earth metal halides. The right selection of halides ensures that a full spectrum light is emitted to provide high colour rendering index (Ra 65).

Applications

- Single Ended Metal Halide Lamps are the popular choice for modern Street Lighting, Flood Lighting or Landscape Lighting. These lamps are also used in High Bay or low Lighting for better visual accuracy.
- Double Ended Metal Halide Lamps are used for indoor downlighting and uplighting applications, front lit billboards, facade lighting etc.



HID Lamps

Product	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
Single Ended Metal Halide Lamps				
MHL 70 W SE Tubular	E-27	70	5600	145
MHL 70 W SE Elliptical	E-27	70	5600	145
MHL 150 W SE Tubular	E-27	150	13500	145
MHL 150 W SE Elliptical	E-27	150	11500	145
MHL 150 W SE Tubular	E-40	150	13500	211
MHL 150 W SE Elliptical	E-40	150	11500	211
MHL 250 W SE Tubular	E-40	250	20000	225
MHL 250 W SE Elliptical	E-40	250	19000	227
MHL 400 W SE Tubular	E-40	400	35000	292
MHL 400 W SE Elliptical	E-40	400	35000	292

Burning position Elliptical  Tubular  20° E - Elliptical T - Tubular

Double Ended Metal Halide Lamps				
MHL 70 W DE	Rx7s	70	5200	117.6
MHL 150 W DE	Rx7s	150	11000	135.4

Burning position  45° Values indicated above are with HPSV gear.



High Pressure Mercury Vapour Lamps

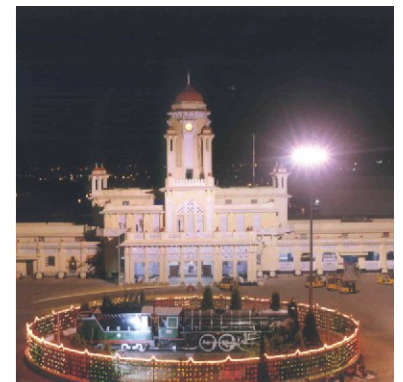
HPMV lamps are economical discharge lamps with moderate luminous efficacy and life. Luminous flux is produced in these lamps by electrical discharge of Mercury Vapour through rare gases. White appearance of HPMV lamps with its lower cost makes it the preferred choice for various outdoor and indoor usages.

Applications

- HPMV Lamps are used for lighting of secondary roads, car parking areas, parks and gardens, factory sheds, etc.

Product	Base	Wattage (W)	Nom. Lumens	Max. Length (mm)
MV 80 W BC	B22d3	80	3400	166.5
MV 80 W ES	E-27	80	3400	166.5
MV 125 W BC	B22d3	125	6200	185.5
MV 125 W ES	E-27	125	6200	185.5
MV 250 W ES	E-40	250	12750	227.0
MV 400 W ES	E-40	400	22750	287.0

Burning position



LED

LEDs (Light Emitting Diode) are going to be the next generation GREEN LIGHTING light source, which will be used extensively in most of the lighting applications.

With the increasing concern of Carbon Dioxide Emission and Global Warming worldwide, by switching to LED lights we can decrease carbon dioxide emissions substantially and moreover these are safer and more efficient than CFLs (Compact Fluorescent Lamps) which are currently the standard for greener lighting.

Crompton Greaves Limited is one of the leading players in GREEN LIGHTING, known for delivering world class solutions and LED products and are being recognized by customers as best in class in the industry.

Pharox

Pharox, LED retrofit lamps, with a life of 50,000 burning hours is the best choice for replacing incandescent lamps for household. These lamps consume 87% less electricity than conventional GLS lamps for the same light experience. These lamps contain no mercury. Pharox lamps are available in sparkling warm white colour.

Applications:

Household applications, as ready replacement of existing GLS and CFL direct fit lamps.

Product	Base	Wattage (W)	Nom. Lumens	Colour Temp
LBL105FWW-BC	B22	5W	230	2800K
LBL105MWW-BC	B22	5W	230	2800K
LBL105FWW-ES	E27	5W	230	2800K
LBL105MWW-ES	E27	5W	230	2800K



Cromstar

Cromstar is a direct retrofit LED solution for MR16 Halogen lamps. These lamps are energy efficient, compact and elegant.

Applications:

These lamps are ideal for spotlight applications in both domestic and commercial segments. It can be used widely as a retrofit replacement of existing downlighters with MR16 Halogen lamps.

Product	Wattage (W)
LBO105CWW/10	5W
LBO105CWW/25	5W
LBO105CCW/10	5W
LBO105CCW/25	5W



Lamps & Glass Shells Mfg. Plant at Baroda

