

THE FOURTH INDUSTRIAL REVOLUTION

At Bajaj Electricals, we are continuously innovating to help our clients successfully deliver Industry 4.0 goals. Our products are now Industry 4.0 Ready and our new platform helps customer improve productivity and energy savings.



INDUSTRIAL REVOLUTION

The First Industrial Revolution 1.0, began in the 18th century, used of steam power and mechanization. This saw the rise of large-scale industries such as textiles, iron, and coal mining. The Technological Revolution, also known as the second industrial revolution, began in the 19th century with the discovery of electricity and assembly line production. This brought about mass production in industries such as automobiles. The third industrial revolution was the advent of the Digital Revolution, which began in the 1970s with partial automation using memory-programmable controls and computers. This introduced automation in industries such as electronics. Now, the journey further continues to connected solutions.



INDUSTRY 4.0 CONNECTED INDUSTRY

In the era of Industry 4.0, also known as the fourth industrial revolution, the fusion of human expertise with digitally-driven machinery and advanced connectivity revolutionizes manufacturing. People play a central role, empowered by software systems that streamline their tasks to unprecedented levels.

This seamless integration extends across the entire value chain, where every object in production or use boasts unique identification and autonomous communication capabilities. Vertical information flows span from individual components to the company's IT platform, while horizontal communication links machines within production and the broader manufacturing ecosystem.

INTRODUCING

BAJAJ
SYNCHRONUS

**ACHIEVING INDUSTRY 4.0 GOALS
WITH SMART LIGHTING SOLUTIONS**

A three-layered, flexible solution designed to seamlessly evolve with your industrial lighting needs. With full scalability and easy upgrades, it ensures your smart lighting journey is a continuum of endless possibilities in the realm of Industry 4.0. Experience economical wireless innovation, meticulously crafted for every phase of your industrial lighting journey, from smart to ultra-smart, empowering your transition into the future of manufacturing.



INDUSTRY 4.0

ACTIVATE A PARADIGM SHIFT

Revolutionizing industrial environments demand a holistic approach, and astute industrial leaders acknowledge the pivotal impact of lighting on their operational prowess. The atmosphere directly influences the efficiency and safety of industrial facilities, making the transition to connected lighting a transformative initiative.

Why embrace connected lighting in an industrial setting?

Envision industrial-grade LED lights with integrated sensors, seamlessly linked to sophisticated application software. This synergy empowers the automation and optimization of lighting configurations across diverse zones within your industrial complex. Operators can fine-tune lighting preferences, while decision-makers gain access to anonymized data on energy consumption and cost efficiency.

Why Bajaj SynChronus?

Bajaj SynChronus Industrial System - an economical and wireless solution meticulously crafted for every phase of your industrial smart lighting journey. This innovative system consists of three tiers, strategically designed to address immediate industrial needs. Furthermore, it boasts full scalability, effortlessly accommodating evolving operational requirements, from smart to ultra-smart.

In the industrial landscape, compatibility is paramount, and the Bajaj SynChronus Industrial System seamlessly integrates with our SynChronus compatible luminaires and lamps. These cutting-edge products offer a direct, one-to-one replacement for traditional industrial lights, ensuring a seamless transition to a brighter, more efficient, and safer future. Illuminate your industrial space with SynChronus — an interconnected lighting solution that lights the way to enhanced productivity and sustainability in the industrial domain.

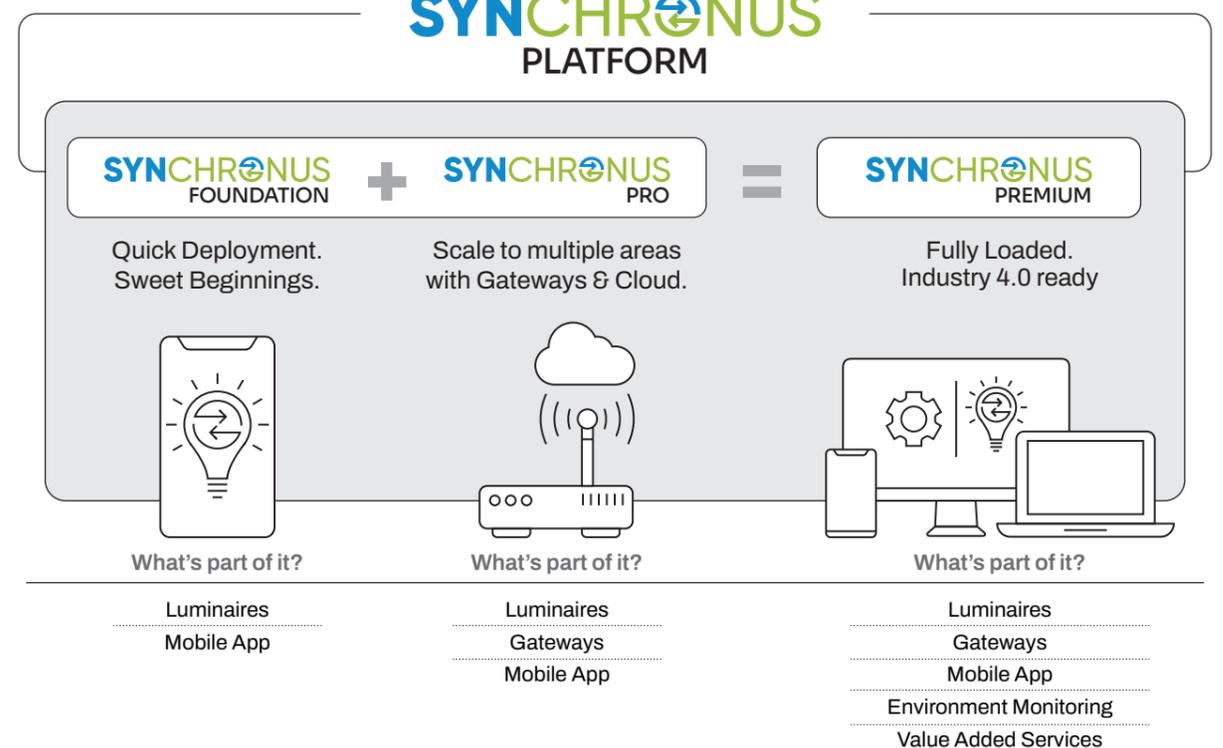


HOW DOES THE SYSTEM COME TOGETHER?



Designed for

BAJAJ SYNCHRONUS PLATFORM



EVOLVE FROM INTELLIGENT TO INGENIOUS.

Embark on a journey of transformation with the Bajaj SynChronus system, where every step resonates with possibility and promise. Feel the pulse of innovation as your evolving needs seamlessly converge with our three-layered offering, designed to adapt and evolve alongside your ambitions. With each upgrade, each enhancement, rest assured that every light point is not just integrated but embraced, ensuring a harmonious progression towards your goals. It's more than a journey; it's a symphony of potential waiting to be unleashed.

Let Bajaj SynChronus be your guiding light as you chart a course towards realizing your Industry 4.0 dreams with passion, purpose, and boundless emotion.



SYNCHRONUS FOUNDATION



Occupancy Analytics



Workspace Quality Analytics



Multiple Sites Access



BMS Integration

SYNCHRONUS PRO



Sensor Integration



Seamless Connectivity on BLE



Simple Setup



Greenfield & Retrofit Ready



Remote Site Management



Energy Savings



Gateways for multiple floor/area control

SYNCHRONUS PREMIUM



Cloud Integration



Data Rich Dashboard

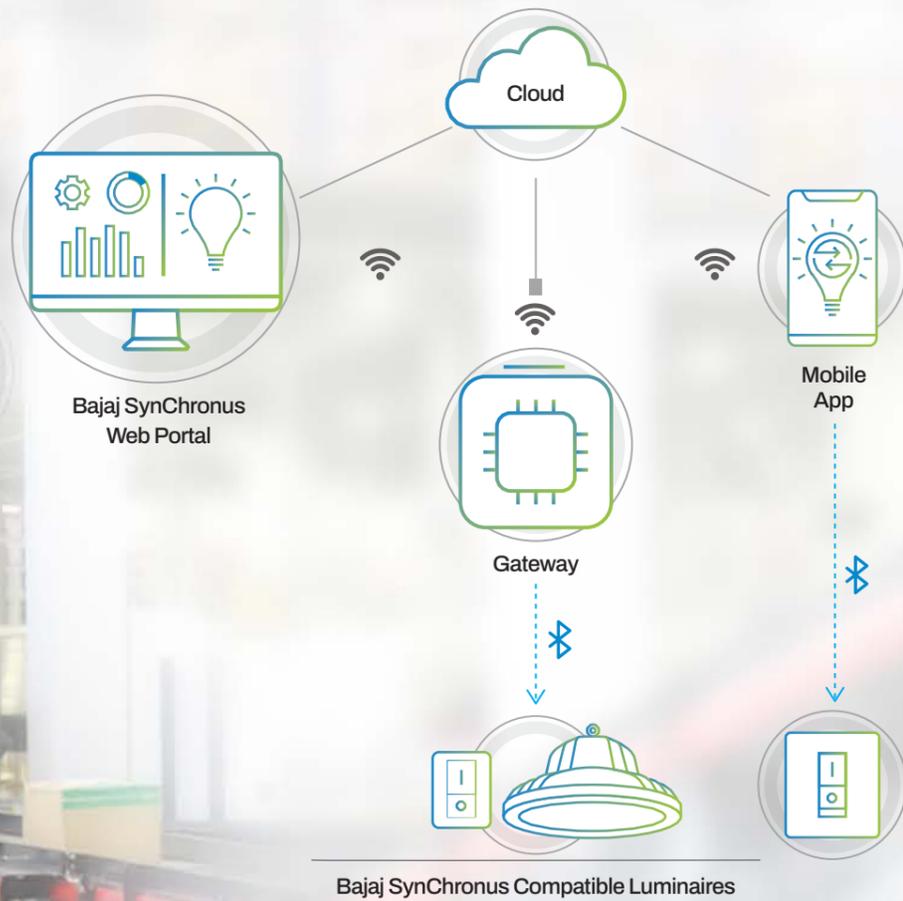


Scene Manager



Predictive Maintenance

SYSTEM ARCHITECTURE



INSTALL IN A SNAP!

PLANNING



Design
Create a network plan and devise a lighting layout.



Select luminaires
Bajaj SynChronus compatible luminaires portfolio.



Customize your lighting system
Pair your setup with compatible sensors and switches.

SETUP



Install like usual gadgets



Download and install the mobile app



Get ready using the web app or mobile app



Setup using the mobile app



Add gateway for added features of Bajaj SynChronus Pro and Premium



Manage and monitor using the mobile and web app

FEATURES & BENEFITS



Motion Sensing
Activates lights only when in use, saving energy.



Daylight Harvesting
Automatically dims lights based on sunlight levels.



Wireless Switches
Enable easy lighting control from anywhere they're installed.



Remote Maintenance
Monitor device lifetimes, potential failures, and burning hours for improved building upkeep.



Energy Usage Analysis
Access detailed energy consumption reports for up to 12 months, exportable in .csv format for further analysis.



Automatic Upgrades
Seamlessly receive background updates for features and security with minimal disruption to building operations.



Scene Scheduler
Create and recall custom scenes effortlessly using wireless switches or an app.



Organise Your Lights
By grouping them into networks and further subdividing into groups and zones for precise control.



App Control
Customize nearby lights according to user preferences.



Light Scheduler
Schedule scenes to suit your needs.



Remote Light Control
Remote control all lights using the web app.

RADIANT ADVANTAGES, TAILORED.

Implementing smart lighting empowers industries to create workspaces that are not just more comfortable and secure but also more productive, all while enhancing energy efficiency and achieving sustainability goals.

Your customers stand to gain in the following ways:

- Access a cost-efficient and wireless entry point into the realm of smart lighting.
- Potential savings of up to 80% on installation and material costs compared to more intricate systems.*
- Fully scalable system allowing for seamless upgrades.
- Expand your system without the hassle of reinvesting in hardware.
- Personalise your light levels to cater to daily business needs
- Achieve maximum energy and cost savings through scheduled lighting, motion sensing, and daylight utilization from the first tier onward.
- Monitor light usage and energy consumption through the Bajaj SynChronus dashboard, enabling further optimization in layers two and three.

* Based on interviews and studies done internally.

SETTING UP LIGHTING SYSTEMS

Installer's Recommendations

With the Bajaj SynChronus system, you can provide your customers with a smart and forward-looking transformation of traditional lighting. Recommending and installing connected lighting solutions also positions you as their go-to expert in this rapidly expanding field.

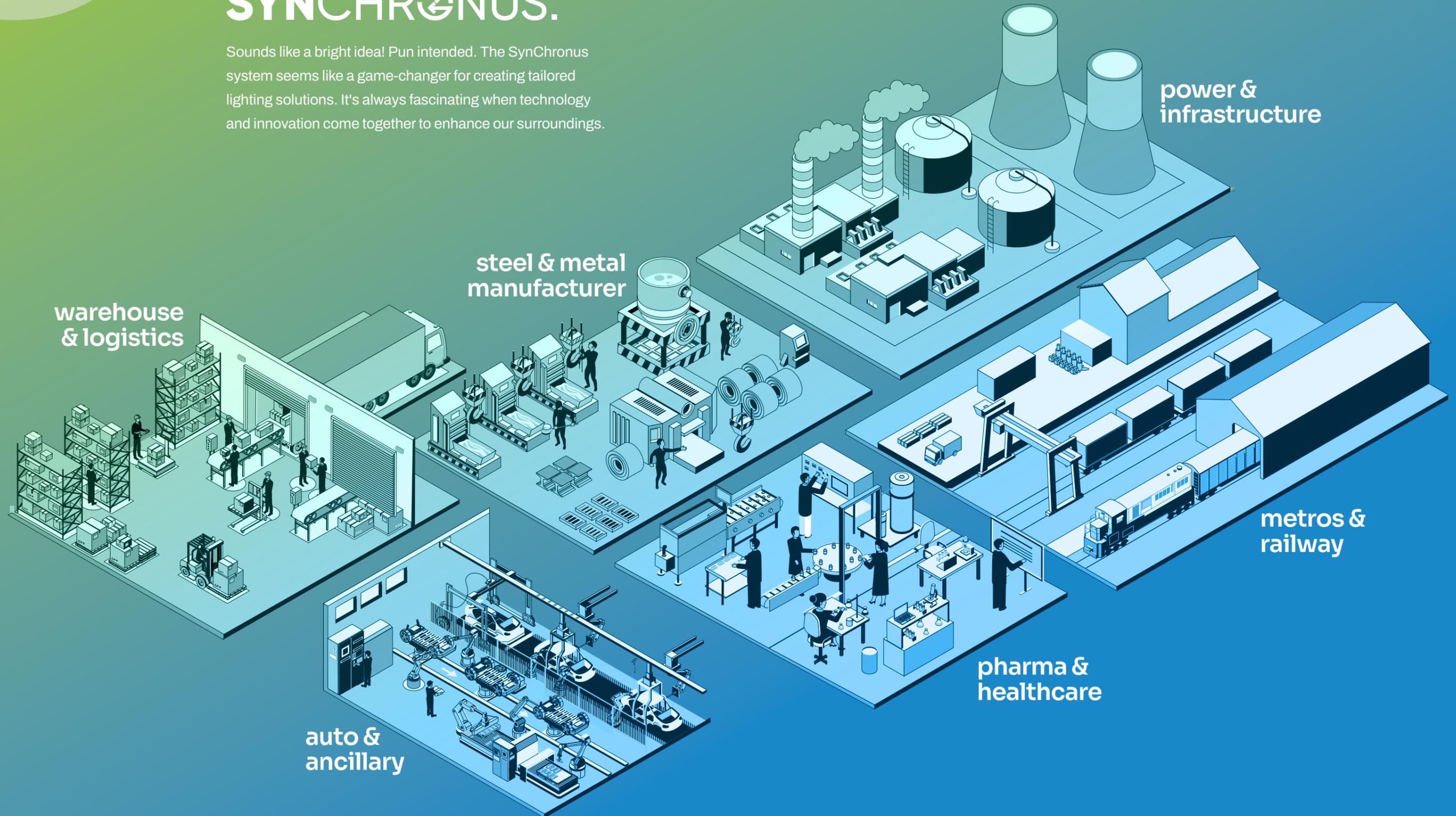
Here's what's in it for you:

- Deliver world-class tailored solutions for small and medium-sized enterprises.
- Enjoy easy installation without the need for separate antennas, radio boxes, or signal cables.
- Swift setup facilitated by the user-friendly mobile app.
- Gain valuable insights from the Web Portal, establishing yourself as a trusted advisor (starting from Layer 2).
- Seamlessly integrate the mobile app and software with our SynChronus compatible luminaires, and components.
- Secure recurring business by initiating your customers' smart lighting system on tier one and becoming their preferred professional as they scale up.



ALL SPACES CONNECTED. ALL SPACES SYNCHRONUS.

Sounds like a bright idea! Pun intended. The SynChronus system seems like a game-changer for creating tailored lighting solutions. It's always fascinating when technology and innovation come together to enhance our surroundings.





Electricals

27th Floor, One Unity Center, Tower 4, Senapati Bapat Marg,
Prabhadevi (West), Mumbai - 400013 | Tel.: 022-2406 4400
E-mail: illumination@bajajelectricals.com | www.bajajelectricals.com

[f](#) /BajajElecBiz [✉](#) /BajajElecBiz [@](#) /bajajelecbiz [in](#) /BajajElectricals

Images of the products shown are for representation purpose only and the actual colour/size may vary.