INDUSTRIAL HIGHBAY LIGHTING
EXCEEDS ALL YOUR EXPECTATIONS!

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Bajaj Electricals Ltd.
Inspiring Trust

INDUSTRIAL HIGHBAY LIGHTING
In almost every aspect, Highbay Lighting from Bajaj Electricals is superior to the other names available in the market. It is our attitude of 'No Compromise', that pushes us to deliver quality and provide you with the best industrial lighting range, in every department.
At Bajaj, we provide you with highly specialized lighting solutions for practically every kind of industrial environment. In fact, we believe that simply describing these Highbays as ‘light’ would be doing them injustice. We prefer to call them systems, as our sensor based, IoT luminaires help you in easy operational management, superior lighting efficiency and scheduled based technology to optimize production. So, optimize our products as you see fit, and get the most out of them.
Perfect lighting conditions play a vital role when it comes to any industrial setting. Lighting a project in the right manner can enhance productivity and improve employee morale. Hence, we provide the most specialized and task specific range, suited for any specific environment. Additionally, our products are designed to reduce accidents and minimize risk, especially within industrial conditions with the ability to withstand the harshest temperatures.
Every highbay lighting product that you will glimpse in the following pages, has not only been designed to enhance the ambiance of your industrial space, but also to increase your savings. With the incorporation of our highly specialized and advanced LED Highbays, you can save up to 65% or even more. Illuminate your space with efficiency, today.
What makes these lighting solutions perfect for industrial conditions is their enhanced thermal management, thanks to the FV Technology Pressure Die Cast Housing feature, leading to longer life and enhanced product life cycle. With a sleek design and better safety features, Duranto Highbays truly are the best of every world.

Features and Specifications
- System wattage: 80/100/120/150/200W
- Lumen pack: 8000/10000/12000/15000/20000 Lm (+5%)
- Luminaire efficacy: >100 Lm/W (+5%)
- Four stage electrical protection:
  - Over voltage protection
  - Under voltage protection
  - Short circuit and reverse polarity protection
  - Over temperature protection
- Life: 50000 hrs.* (@ L70)
- Colour temperature: 5700K ±300K
- Ingress protection: IP65
- Surge protection of internal 1kV and external 1kV
- Life: 50000 hrs.* @ L70
- Colour temperature: 5700K ±300K
- Ingress protection: IP65
- Surge protection of internal 1kV and external 1kV

Applications
- Warehouses
- Manufacturing bays
- Factory sheds
- Indoor sports complexes
- Airport hangars

Construction
- FV Technology pressure die cast housing for better thermal management, which improves LED life and increases product life cycle.
- Secondary lens optics for better distribution and uniformity
- Easy installation through I-bolt mounting for suspension mounting
- Separate control gear - die cast aluminium housing
- Innovative design in terms of air gap between LED housing and driver compartment ensuring thermal management

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- Innovative design in terms of air gap between LED housing and driver compartment ensuring thermal management
Blasting with advanced technology and superior design, each Blaze Highbay boasts the ability for focused lighting beam angles across a variety of applications. In addition to this, these Highbays ensure maximum energy efficiency, reducing costs up to 60% against traditional fixtures.

Features and Specifications
- System wattage: 100/120/150/200W
- Lumen packages: 12000/14400/18000/24000 Lm
- Luminare efficacy: >120 Lm/W
- Four stage electrical protection:
  - Over voltage protection
  - Under voltage protection
  - Short circuit and reverse polarity protection
  - Over temperature protection
- Available in 60° and 120° beam angle
- Die-cast aluminum housing with dedicated optics for excellent beam distribution
- Life: 50,000 hrs. @ 175°C
- Color temperature: 5700K ±300K
- Surge protection of internal 4kV and external 4kV

Applications
- Manufacturing bays
- Warehouses
- Indoor stadiums
- Airport hangars
- Railway concourse halls
- F&B facilities (PC diffuser)

Construction
- Easy installation through I-bolt mounting
- Specially designed pressure die-cast housing for better heat dissipation
- Separately designed pressure die-cast aluminum IP54 protected potted driver compartment
- Unique air vent between housing and driver compartment ensuring better thermal management
- Secondary lens optics for better refraction
The future is here with Ray LED Highbay lighting. With futuristic LED chips and high-efficiency Lumen packages, these lighting solutions are exactly what your industrial space needs with the cutting edge design. They do not require wires, cables or even, fixing arrangements. Usher in cutting edge technology into your workspace.

### Features and Specifications
- **System wattage:** 80/100/120/150W
- **Lumen packages:** 9600/12000/14400/18000 Lm
- **Luminaire efficacy:** > 120 Lm/W
- **Four stage electrical protection:**
  - Over voltage protection
  - Under voltage protection
  - Short circuit and reverse polarity protection
  - Over temperature protection
- **Surge protection of internal 5kV and external 10kV**
- **Life:** 50000 Hrs. @ L70
- **Color temperature:** 5700K+300K
- **Pressure dia-cast housing**

### Applications
- Manufacturing bays
- Warehouses
- Indoor stadiums
- Airport hangers
- Railway concourse halls

### Construction
- Innovative design in terms of air gap between LED housing and driver compartment ensuring thermal management
- Secondary lens optics for better refraction
- Separate PDC control gear box with FUSES protected

### Product Dimensions Diagram
(BGPHN 80/100/120/150W
(All dimensions in mm)
From railway halls, to hangars, to warehouses to manufacturing facilities, Forcebay Highbays can be used across a variety of environments. What makes them special, however, is the ease of installation that is inherent to them. This is primarily because of its smart design and innovative make. Simplified in every sense!

**Features and Specifications**
- System wattage: 80/100/120/150W
- Lumen packages: 8000/10000/12000/15000 Lm (+5%)
- Luminaire efficacy: > 100 Lm/W (+5%)
- External surge protection 10kV provided for additional safety.
- Luminaire is provided with a mounting bracket fixed on die-cast aluminum end plates for aiming adjustment.
- Colour temperature: 5700K ±200K
- Surge protection of internal 5kV and external 10kV
- Epoxy grey powder coated pressure die-cast aluminum housing.
- Ingress protection: IP65.

**Applications**
- Manufacturing bays
- Warehouses
- Indoor stadiums
- Airport hangars
- Railway concourse halls

**Construction**
- Secondary lens optics for better reflection.
- Mounting bracket fixed on die-cast aluminum end plates for aiming adjustment.
- Epoxy cream powder coated pressure die-cast aluminum frame with heat resistant toughened clear glass fixed with SS screw.
- Polished glass.

**Product Dimensions Diagram**

<table>
<thead>
<tr>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
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<tr>
<td>304 mm</td>
<td>140 mm</td>
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(All dimensions in mm)
The first of two Linear Highbays truly perks up one's attention from the word go. Not only do these lighting products enhance the productivity of the employees within your industrial facility, they immediately create an impression on visitors and potential clients as well.

**PERK**
LINEAR LED HIGHBAY

**ENHANCED WORK ENVIRONMENT**

**Features and Specifications**
- System wattage: 80/100/120/140W
- Lumen packages: 8000/10000/12000/14000 Lm
- Luminaire efficacy > 100 Lm/W
- Life: 50000 Hrs. @ L70
- Degree of protection: IP20
- THD <10%
- They render colors and shapes more accurately (CRI >80)
- Colour temperature: 5700K-6500K

**Benefits**
- Energy saving decorative surface/suspended mounted LED luminaire
- Lighting that improves the work environment and well-being
- Top-quality lighting gets real results on the facility floor
- They don’t fade colors or degrade merchandise and materials
- They create the right ambiance and make a positive impression on visitors and potential clients
- They avoid glare and flickering
- They increase efficiency for employees in order to properly fulfill their task

**Construction**
- Diffracted polycarbonate diffuser
- CRCA steel sheet housing
- White power coated reflector for enhanced distribution
- LED strip with aluminium plate for heat dissipation

**Applications**
- Large retail format
- Indoor sports facilities
- High-bay lights
- Shopping centers
- Industrial warehouses
- Distribution centers

**Features and Specifications**
- System wattage: 80/100/120/140W
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**Applications**
- Large retail format
- Indoor sports facilities
- High-bay lights
- Shopping centers
- Industrial warehouses
- Distribution centers

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**Product Dimensions Diagram**

**Polar Line Diagram**
Yet another Linear Highbay product, the Trendy range is synonymous with its immaculate design and the ability to render colors and shapes with maximum accuracy. Their ultra modern looks make them ideal for a variety of applications and also lend the name, Trendy, to them.

**TRENDY LINEAR LED HIGHBAY**

**MAGNIFICENT DESIGN**

**Features and Specifications**
- System wattage: 100/120W
- Lumen packages: 10000/12000 Lm
- Efficiency: > 100 lumen/W
- Surge Protection: internal 5kV and external 5kV
- CRI: > 80
- THD: < 10%
- Degree of protection: IP54
- Color temperature: 5700K+300K

**Benefits**
- Lighting that improves the work environment and well-being.
- Top-quality lighting gets real results on the facility floor.
- They render colors and shapes more accurately (CRI).
- They don’t fade colors or degrade merchandise and materials.
- They create the right ambiance and make a positive impression on visitors and potential clients.
- They avoid glare and flickering.
- They increase efficiency for employees in order to properly fulfill their tasks.
- The elegant design enhances the aesthetic and suits indoor usage.

**Applications**
- Departmental stores and control rooms.
- Manufacturing Industries.
- Textile manufacturing.
- Automobile and ancillary manufacturing.
- Warehouses, railway concourse halls, railway platforms.

**Construction**
- CRCA steel sheet housing
- IP54 front side compartment
- Hingable CRCA bottom frame for ease of maintenance
- Open diffuser for smooth and uniform distribution
- Maintenance from front side

**Polar Line Diagram**

**Product Dimensions Diagram**

(All dimensions in mm)
Cosmo LED Luminaires are enclosed within a CRCA sheet steel recessed frame, with heat resistance, clear toughened glass, and silicon gaskets. They are eco-friendly, energy efficient and reliable too! They serve a variety of applications and their lenses ensure best light distribution. Equip your space with this phenomenal range!

**Features and Specifications**

- **System wattage**: 80W/100W (I/N/S/V2 Series)
- **System lumens**: 7200 to 10600 Lm/W
- **Colour rendering index**: > 70
- **Color temperature**: 5700K +300K
- **Optical cover**: Toughened glass
- **Material**: Pressure die-cast aluminum
- **Surge protection of internal 5kV and external 10kV**
- **Ingress protection**: IP65
- **Power factor**: > 0.9
- **THD**: <10%

**Applications**

- Petrol bunks
- Loading/Unloading bays
- Canopy
- Public halls
- Low height industrial sheds

**Construction**

- Epoxy power coated PDC aluminum housing
- CRCA sheet steel recessed frame, with heat resistance, clear toughened glass and silicon gaskets
- LED designed with lenses for better light distribution

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![Polar Line Diagram](image1.png)

![Product Dimensions Diagram](image2.png)
## TECHNICAL SPECIFICATIONS

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<th>Product Code</th>
<th>Catalogue Reference</th>
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<th>Driver</th>
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