

## STONE-STAMCOR REMAINS COMMITTED TO SOUTH AFRICAN EXCELLENCE

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STONE STAMCOR SOLAR PROJECT

- 315 kWp of photovoltaic (PV) panels installed on the roof
- 574 units of 550W solar panels

CONTINUED FROM PAGE 3

What has given Stone-Stamcor an edge in South Africa's electrical component manufacturing sector is the hands-on approach at the management level.

According to Kevin Gray, Operations Director at Stone-Stamcor, this is largely because the company is owner-managed.

"It allows us to adapt to changes and address any challenges that come our way," he says.

This approach has enabled Stone-Stamcor to thrive, even in an economy where manufacturing has been underperforming.

The myriads of challenges faced in the sector are ones that the management of Stone-Stamcor have circumvented, thanks to their commitment to consistency.

"We're not just a vibrant manufacturing facility, we're also an ISO 9001:2015, a Level 1 BBBEE certified company with 135% Procurement recognition and a SMETA (Sedex Members Ethical Trade Audit), accredited Company," says Gray. "You can only achieve this by developing all aspects of the business, which includes considering sustainability and the ethical sourcing of materials," he adds.

The company is renowned for its electrical connectors, and the copper required for production must be sourced responsibly. While it would be easy to import materials without considering their origin, Stone-Stamcor recognises its role as one of the country's largest electrical manufacturers. They understand the importance of complying with local and global standards to ensure that raw materials are not exploited and that the quality of their products is never in question. "This carries a lot of weight. It's easy enough to produce and resell consumables, but doing so ethically has become equally important," Gray notes.

The pride in the end product stems from the pride Stone-Stamcor takes in the manufacturing process from start to finish.

Remaining viable is due to management's clear

understanding of what the facility excels at—producing components for South Africa.

"Growth over the last few years has been driven by the renewable energy sector. When solar became a buzzword, everyone wanted to be part of it, and it created a myriad of business opportunities," reflects Gray.

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Used to restrain single and trefoil cables onto cable ladder, tray or strut systems.

**CABLE CLEATS**



## Machine Tools Africa ready for 2025 expo

Earlier this year thousands of visitors from across the country attended Machine Tools Africa eager to see the latest machinery, products, services and technologies that South Africa has to offer. The show last took place in May this year released its post-show report last month, showcasing tremendous growth during the 2024 iteration.

Earlier this year visitors were able to engage with eighty industry-leading exhibitors and their technical teams to learn about the latest global industry trends and technological developments in the machine tools market. A total of 6428 visitors joined this year's expo.

"This was a 10% increase in visitors compared to the previous show. The quality of visitors has been really good.

Many travelled from Cape Town and Kwa-Zulu Natal, in addition to those from Gauteng, and from other provinces. The feedback we have had from visitors and exhibitors has been very positive," says Charlene Hefer, Portfolio Director at Specialised Exhibitions, a division of Montgomery Group.

Machine tools are the backbone of the manufacturing industry providing

essential equipment for the fabrication processes of all major manufacturing sectors, including automotive, aerospace, electronics, and energy.

Machine Tools Africa is extremely important to this sector, the success and growth of which can contribute to the local economy and to creating jobs. It's crucial for the machine tools industry to be able to bring these latest machines into the country and showcase what they can do.

### World-class show

Gary Corin, Managing Director at Specialised Exhibitions, says it's incredible to see the technology that is available and the amazing machinery, products and services that are relevant and important to the industry.

He says that the capital investment required in purchasing these machines is high and the decision making process involved with the acquisitions is complex, ensuring that the specific technology, equipment, or machinery, is compatible with the customers current manufacturing process.

### Focusing on education and training

A focus on education and training was also evident at the show. "We partnered with some academic and career-based institutions who are looking at attracting talent to the engineering, manufacturing and industrial sectors in South Africa," explains Hefer.

"It's been very exciting having the WorldSkills competition running at Machine Tools Africa. It's a first for the show and demonstrated the incredible talent and skills of young professionals in the industry. First in action at the competition was a 20-year-old German gold medal competitor followed by his South African counterparts. They were each individually given 5 hours to design a part, machine it, and complete it, in what would probably normally take a team to complete in 2 days. Congratulations to the winners who were announced on the final day of the show. Julian Gelo, the German competitor took first place and Nthabiseng Mnisi, who is studying at the Nkangala TVET college in Middleburg, took a well-earned second place."

"It was also great to have Sol-Tech with us this year," continued Hefer. "They are a vocational training college, and it was good to see the kind of talent that they're attracting to this industry, and to have those students come to the show to experience the kind of technology that is available. It was heartening to see many experts sharing their knowledge and expertise with young South Africans."

The free-to-attend seminars that took place at Machine Tools Africa provided an opportunity to listen to leading local and international experts speak about the latest industry trends and developments in the global and African machine tools market. Topics were aligned with the theme days of safety, sustainability, skills and South Africa day.

Machine Tools Africa is scheduled for 2025 – however the dates have not been confirmed.

Enquiries: [www.machinetoolsafrica.co.za](http://www.machinetoolsafrica.co.za)

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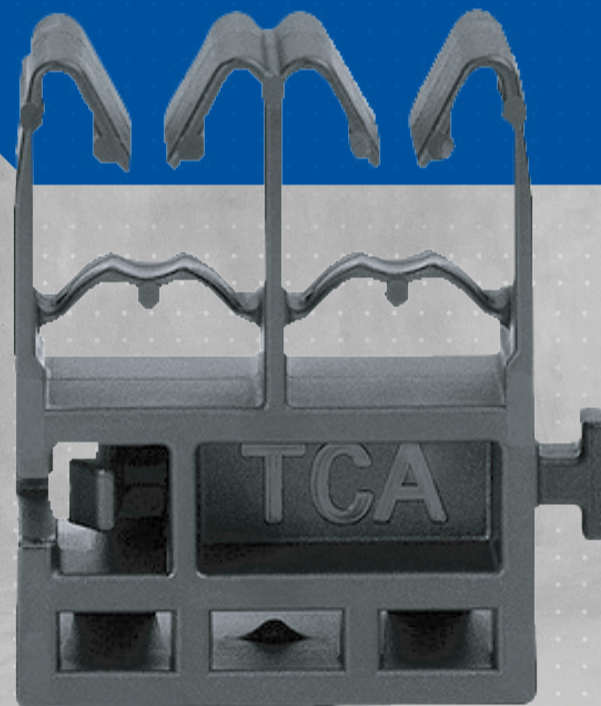
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## FEATURES

- Accommodates various cable sizes/types
- Designed with eco-friendly materials
- Eco-friendly manufacturing processes
- Environmentally responsible
- Versatile for solar and other installations
- Secures cable away from metal surfaces
- Can be linked together

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## CCG Cable Cleats used in hybrid solar battery project

**CCG Cable glands and Cable Cleats** installed on South Africa's biggest solar battery storage system, the Kenhardt hybrid solar and battery facility in the Northern Cape

The facility boasts a combined installed solar capacity of 540MW from three plants, while its massive battery system can output up to 225MW of power.

With a 1,140MWh capacity, the battery can supply 150MW of dispatchable power consistently between 05:00 and 21:30 throughout the year

The project was one of the world's first and largest hybrid solar and battery storage

facilities. Construction of the Kenhardt hybrid facility started in July 2022 and included the installation of almost 1 million PV modules. At the peak of its construction, the site employed 2,600 workers.

The entire hybrid facility spans 879 hectares and measures 10 km from north to south.

CCG supplied all the cable glands and cable cleats for the 9,000 kilometres of cabling, (the equivalent distance between South Africa and Norway).

Of critical importance was the use of CCG's trefoil cleats for securing the single core cables linking the transformers to the battery rooms.

CCG's range of trefoil cleats were utilized on the entire MV cable system and the collector runs which were divided into 6 x Spur-feeders and two Mini-sub feeders. Cables utilized in each feeder were:

- 500m<sup>3</sup> 1C AL XLPE MDPE Unarmoured Copper wire screen cable 19/33kV.
- 300m<sup>3</sup> 1C AL XLPE MDPE Unarmoured Copper wire screen cable 19/33kV.
- 185m<sup>3</sup> 1C AL XLPE MDPE Unarmoured Copper wire screen cable 19/33kV.
- 150m<sup>3</sup> 1C AL XLPE MDPE Unarmoured Copper wire screen cable 19/33kV.

The international standard governing Cable Cleats used in electrical installations is IEC 61914:2015. In this standard Cable Cleats are defined as "devices designed to provide securing of cables when installed at intervals along the length of the cables".

Cable cleats are designed to ensure that cables are fixed, supported, and routed in a manner that provides safe operation and reduces the risk of damage or injury in the

event of a short circuit fault, emergency, or accident. Improper clamping of cables can result in loss through unnecessary downtime or even injury and death

CCG's range of single and trefoil cleats are designed to restrain single or trefoil cables onto ladder tray or strut systems. They are manufactured from corrosion resistant, magnetic free, 316 stainless steel with LSOH and UV protected polymeric linings for cable protection. They have an open hinge single bolt fastening system allowing ease of installation for a wide range of cables from 13mm to 128mm. CCG's cleats are designed to withstand mechanical forces caused by fault currents of up to 180Ka.

Enquiries: [www.ccgcablegland.co.za](http://www.ccgcablegland.co.za)



The battery section of Scatec's 540MW/1,140MWh hybrid plant.

## LESCO manufacturing hosts Voltex team for an insightful factory visit

On August 13 LESCO Manufacturing welcomed a delegation from Voltex to their newly established production facility, marking an important milestone in our ongoing partnership.

This visit was an opportunity to showcase the state-of-the-art production lines that are at the heart of our commitment to quality, innovation, and social responsibility.

The event was more than just a tour, it was a comprehensive demonstration of how LESCO operates, from the meticulous assembly processes to our commitment to inclusivity in the workplace. The visit provided an in-depth look at the new production lines, which have been specifically designed to enhance efficiency and maintain the high standards that LESCO is known for.

The Voltex team was particularly impressed by the seamless integration of simple assembly processes with limited machinery using differently-abled labor. Each step of the assembly process was explained, from the initial stages of raw material handling to the final quality checks. The emphasis on

precision and efficiency was evident, Voltex team members also participated in making parts of a product.

Ahmed Imtiaz Baig, Managing Director of Voltex Wholesale mentioned that LESCO is clearly serious about their adaptability and are becoming one of South Africa's best in manufacturing."

Shawn Roets, Voltex regional manager for the Western Cape added that the tour was very insightful.

"It was great to see the ingenuity and professionalism of the whole outfit," he says. Commitment to social responsibility One of the highlights of the visit was showcasing LESCO's commitment to social responsibility, particularly in the area of inclusive employment.

LESCO takes pride in its efforts to create job opportunities for individuals with disabilities. This initiative is not just about fulfilling corporate social responsibility, it's a core value that drives our operations.

The Voltex team had the opportunity to meet some of our employees who are part of this inclusive workforce. Their stories were both inspiring

and heartening, demonstrating how meaningful work can positively impact lives. LESCO's approach to employing disabled individuals goes beyond providing jobs; it's about empowering them with skills, fostering a sense of belonging, and ensuring their full integration into the workforce.

Positive takeaways and future collaboration The visit concluded with a roundtable discussion, where both teams shared their reflections on the tour. The tour was a clear demonstration of LESCO's commitment to innovation, quality, and social responsibility.

As LESCO continues to grow, they remain dedicated to setting new standards in the manufacturing industry and creating opportunities for all individuals, regardless of their abilities.

The visit from the Voltex team was a successful and inspiring event, reinforcing the values that both companies hold dear. LESCO looks forward to more such collaborations and to continuing their journey towards excellence and inclusivity in the years to come.

Enquiries: <https://lescosk.com>

CONTINUED FROM PAGE 1

## STONE-STAMCOR REMAINS COMMITTED TO SOUTH AFRICAN EXCELLENCE

At Stone-Stamcor, they saw this as an opportunity to play to their strengths. "We decided to focus on what we do well, and with the solar boom came a need for electrical connections, which we were well-positioned to deliver."

As a manufacturer, Stone-Stamcor is geared towards meeting South African standards, meaning their products are predominantly used locally. This focus on local production has enabled the company to create more jobs, while the Edenvale-based manufacturing facility also supplies products to coastal branches in Cape Town and Durban.

This year, Stone-Stamcor commissioned its own solar system, further demonstrating its commitment to sustainable

practices. It also means that they can continue manufacturing without major delays.

"Being a manufacturing business, an hour of halted production due to a power outage can be detrimental. Now, we aim to cover 80% of our electricity usage through solar energy. This will hopefully also ease the load on the municipal grid," says Gray.

He adds that this approach ensures that Stone-Stamcor can consistently deliver the right products to the right customers. "We always make sure we have the right product suited to the South African electrical market."

Enquires: [www.stonestamcor.co.za](http://www.stonestamcor.co.za)

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## New high-performance fire blanket for suppressing lithium-ion battery fires

SafeQuip announced the launch of its newly developed range of high-performance, multi-use lithium-ion battery fire blankets.

These blankets are specifically designed to address fires involving devices with lithium-ion batteries, providing a crucial tool for safety in environments where these batteries are in use.

Developed by AVD Fire Ltd, the new fire blankets are engineered to withstand extremely high temperatures in an oxidising atmosphere for prolonged periods. They are robust enough to provide protection against potential debris and shrapnel expelled during a battery fire, ensuring comprehensive safety.

### Understanding lithium-ion battery fires

Lithium-ion batteries are widely used in various devices, from smartphones and laptops to electric vehicles and energy storage systems. While these batteries are generally safe, they can pose significant fire risks under certain conditions, such as physical damage, manufacturing defects, or exposure to extreme temperatures.

Lithium-ion battery fires are particularly challenging to control due to their ability to burn at very high temperatures, often exceeding 1000°C, and the potential for re-ignition even after the initial flames have been extinguished.

### What are fire blankets?

The principle behind the fire blanket – smothering the fire to cut off its oxygen supply – has been understood and utilised in various forms for centuries.

Fire blankets offer an effective and easy-to-use solution

for various fires, making them a versatile tool for kitchens, garages, and workplaces. They are beneficial due to their simplicity, leaving no mess, and their portability.

### Benefits of fire blankets

The AVD Fire range of blankets are manufactured using fire-resistant technical fabrics based on the highest temperature-resistant silica glass fibres.

These fibres are enhanced with flame deflection protection and abrasion resistance through a variety of proprietary surface coatings.

The non-flammable, vermiculite dispersion mineral-coated glass fabric is overlaid with a sacrificial protective silicone layer to provide optimal performance.

Key Features of the high-performance fire blanket:

- **Material:** Constructed from fireproof technical fabric with a fire-resistant coating.
- **Edge Lining:** Reinforced multi-layered edge lining for enhanced durability.
- **Eyelets:** Equipped with eyelets for easy tethering or suspending.
- **Stitching:** Utilises fire-resistant industrial stitching for added strength.
- **Handling:** Includes handling loops on all corners for convenient use.
- **Multi-Use:** Designed for multiple uses without compromising safety.



### Advantages of the fire blanket

Sometimes, it is not about extinguishing the fire but rather containing it to prevent it from spreading.

The specially designed AVD Lith-Ex blankets available from SafeQuip can withstand temperatures up to 1400°C for extended periods, making them ideal for covering a burning lithium-ion battery and allowing it to burn safely underneath the blanket. These blankets contain the flames, control the burn, prevent flying debris, and ensure the fire does not propagate to other areas.

The AVD Lith-Ex fire blanket, alongside the Lith-Ex fire extinguisher range, provides a simple and effective solution. While extinguishing the fire is crucial, in some instances, containing the spread of the fire is a better solution to prevent further damage and hazards.

Enquiries: [www.safequip.co.za](http://www.safequip.co.za)

## SolarEdge and ARB in partnership to drive sustainable energy innovations

Africa ARB Electrical Wholesalers, a leading supplier of electrical products and solutions, and SolarEdge Technologies a global leader in smart energy technology, announced the signing of a new Channel Partner Agreement set to expand SolarEdge's distribution in South Africa and the broader African region.

This partnership further solidifies SolarEdge's presence in South Africa's renewable energy sector with plans to expand the offering to other countries in the broader African region. With this partnership, SolarEdge aims to expand its footprint and increase accessibility to its PV and storage product portfolio. This agreement offers ARB customers access to SolarEdge's innovative MLPE technology, advanced safety features, and premium energy management solutions. These offerings are designed to enhance efficiency and reliability throughout the entire energy management spectrum.

"We are excited to launch this strategic partnership with SolarEdge which we see as a significant step forward in our commitment to providing top-tier energy solutions to our customers in Southern Africa. This collaboration allows us to provide SolarEdge's advanced solar technology to a wider market and we are proud to be associated with SolarEdge's innovative products and services," says Blayne Burke, CEO of ARB.

Laurence Lipjes, General Manager MEA at SolarEdge adds: "This collaboration further strengthens SolarEdge's solution availability. Partnering with ARB aligns with our strategy to lead the local solar energy industry, demonstrating our commitment to providing South African businesses with innovative products and services. By offering customised inverter and storage solutions for commercial and industrial applications, along with top-tier after-sales support, SolarEdge delivers seamless operations and optimal system performance."

Enquiries: [www.solaredge.com/za](http://www.solaredge.com/za)

## A Single Source of Termination Accessories

While Pratley is well-known in the electrical industry for its high-quality cable glands and junction boxes, it also manufactures and supplies a range of additional electrical products that complement its current range, highlights Marketing Director Eldon Kruger.

### Pratley PVC electrical tapes

Fitting a cable gland into an installation requires electrical tape to insulate the connection to the apparatus. Pratley supplies PVC electrical tapes for normal application and a flame-retardant version.

The latter is mostly specified by large industry, mining, and municipalities. Both PVC tape ranges comply with SANS 122, a requirement of most large institutions.

Specialised tapes for high-voltage applications include Pratley Rubber Tape, a tough, insulating, and self-amalgamating tape ideal to insulate busbars, transformer bushings, cable tail connections, and high-voltage terminations.

Another popular tape is Pratley's High-Tension Splicing Tape, a high quality self-fusing tape with excellent electrical properties. The tape is ideal to splice electrical terminations and for corona resistant insulation. The breakdown voltage of the tape is 23 kV per 0.5mm.

All Pratley tapes are packaged in useful reusable containers to protect them from contamination, like steel filings or coal dust, when stored in your toolbox.

### Blanking plugs

Pratley also supplies a wide range of blanking plugs to blank off unused entries on any junction box with an unused open cable entry.

They are available in both nickel-plated brass and a tough engineered plastic. The blanking plugs are for general-purpose applications or for use in explosive atmospheres/ Ex rated applications.

### Pratley Cable Retainers

These anchor cables or piping onto angle iron. They are supplied for use on both 25 mm and 50 mm angle iron. Small or large versions are available to suit any type of strapping material, from cable ties to stainless steel strapping. Each retainer has four possible fitting positions depending upon the cable size that needs to be clamped to the angle iron. Simply turn the retainer to the correct size to match the size of the cable.

"Most electrical installations require these products to

complete an electrical installation," notes Kruger.

"The benefit for customers is that they do not have to shop around for these accessories and can procure them from one company. It saves a lot of time and resources for the end user."

Eldon notes that Pratley conducts ongoing research and development to meet the needs of its diverse customer base.

"We have competent and skilled design engineers, constantly developing new and innovative product solutions for our customers. We also have a well-equipped, state of the art electrical testing facility to develop and test new products."

Pratley prides itself on its customer service and developing highly innovative solutions for its customers. It also has highly qualified technical staff in all the large centres, both locally and internationally, to assist with any application requirement.

It is Pratley policy to produce products that outperform any other directly competing product on the world market. This is a very bold statement to make, and we stand by it," stresses Kruger.

The statement is also printed on all products manufactured and supplied by Pratley.

Enquiries: [www.pratleyelectrical.com](http://www.pratleyelectrical.com)



Pratley Tufflon Ex e blanking plugs.

Pratley PVC electrical tape range.



## Sinumerik 828D with new hardware and digital twin for more flexibility

In the spirit of its motto "Accelerate transformation for a sustainable tomorrow," Siemens is presenting new hardware and software for the Sinumerik 828D CNC controller at this year's AMB in Stuttgart. The Sinumerik 828D is specifically designed for the compact and mid-range machine market.

The new PPU271.5, PPU270.5, PPU290.5, and PU272.5 processor units and the redesigned Sinumerik 828D MCP (Machine Control Panel) operating concept offer a wide range of functions and options that increase the productivity, sustainability, and efficiency of manufacturing processes.

Run MyVirtual Machine available for Sinumerik 828D

The new processor units allow the Sinumerik 828D to be upgraded to software version 5.24, paving the way for Sinumerik Run MyVirtual Machine. As with Sinumerik One, the digital native CNC, Run MyVirtual Machine allows NC programs to be created, validated, and optimized using a digital twin of the machine without interrupting production.

This reduces the set-up time on the real machine by up to 20 percent and minimizes production risks. In addition, the working area of the machine, clamping, tool, and material removal can be visualized in detail in all phases of the NC program. Potential collisions can therefore be recognized and eliminated in advance. Training new employees with Run MyVirtual Machine also saves machine time and minimizes the risk of damage due to incorrect operation or programming errors.

Redesigned operating concept Sinumerik 828D MCP

The redesigned Sinumerik 828D MCP operating concept is being introduced to match the new generation of processor units. This launches a more intuitive machine operation for the Sinumerik 828D from Siemens, which offers CNC users greater user-friendliness, efficiency, and flexibility. The redesigned Sinumerik 828D MCP operating concept includes significantly larger and innovatively designed control panels with 12.1-inch and 15.6-inch screens as well as mechanical keys. Create MyHMI/3GL can also be used to further customize the user interface for



Sinumerik 828D PPU271.5 and Sinumerik 828D PPU270.5 and redesigned operating concept Sinumerik 828D MCP.



Sinumerik 828D PU272.5.

specific areas of application.

Enhanced connectivity, more transparent energy efficiency, and improved security functions

The new processor units have an X120 interface, which enables connection to external devices like Sinumerik HT (Handheld Terminal) 10 or edge devices. This extends the range of applications and increases productivity. The Ctrl-E key

combination also provides the user with a comprehensive analysis function that makes energy consumption transparent. In the area of cybersecurity, the new processor units offer security functions like a security archive, user management, and certificate storage, which offers protection from manipulation and product piracy.

With the new hardware and the associated new software for the Sinumerik

828D, Siemens is again paving the way for digital twins to acquire greater flexibility, productivity, and sustainability. At the same time, the range of applications for the control of turning, milling, and grinding technology is expanding to the areas of power and energy, electronics and 5G, automotive, and more.

Enquiries: [www.siemens.co.za](http://www.siemens.co.za)

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## An app to check machine performance

Statistics reveal that approximately 50% of lubricants used on industrial machines and equipment eventually makes their way into the environment where just one litre of used oil has the capacity to poison about a million litres of water.

Significantly, the global market for lubricants is rising and in 2019 increased by 2% to more than 45 million tons showing

Solutions are hard to find considering the importance of lubricants in machines ranging from cars to tractors, ships and manufacturing equipment, almost every moving application that bears weight or creates friction needs lubrication to avoid abrasion and heat. Bearings, shafts, spindles and gears are just some of the items that keep the wheels of industry "working like a well-oiled machine" but there is hope with newer and better ways that have already been developed to mitigate the need for grease and oils.

At the forefront of these is world-leading motion plastics manufacturer, igus, who has embarked on a decades long development journey to produce thousands of different formulae of polymers that are tribologically designed with built-in lubrication to operate without oils and grease. As a result, polymers such as its iglidur and others are rapidly replacing steel in applications such as bearings, bushings, gears, robotics and is even used in tandem with steel in applications such as shaft linear guides, energy chains and other friction and abrasion applications.

With no requirement for lubrication these developments have quickly found favour in global clean room applications, food and beverages, pharmaceuticals and other applications, while its applications in heavy industry, earthmoving, agriculture and some of the toughest environments have enjoyed a slower uptake thanks to its initial scepticism over plastic's ability to withstand tough tasks. However, the skyrocketing cost of lubrication and the ongoing cost of maintenance in recent years has pushed the agenda and thankfully has steadily filtered through to the point where today the use of plastic bearings is commonplace in the heaviest machines where they have proven to outlast other materials in a wider range of applications.

"One must remember that in earthmoving alone, a small 16-ton excavator uses about 60 litres of grease per year which is mostly destined to end up in the ground and ultimately in our rivers. Larger machines and industrial plants use proportionately much more and can often be replaced by our igus' motion plastics solutions," says igus South Africa managing director, Ian Hewat. More recently the company even introduced a free-to-use App for smartphones that automatically scrutinises photographs of machines or applications uploaded to the application to identify igus solutions to improve performance with solutions that also negate the use of lubricants. igusGO App is a cutting-edge solution that is free for anyone to download and use. Fortunately, wherever more complex solutions are required, igus' team of polymer experts are at hand to advise users on applications and are able to call on its German and international laboratories and counterparts to find solutions for customers' unique requirements.

Enquiries: [www.igus.co.za](http://www.igus.co.za)



## Expanding critical digital infrastructure

Last month Vertiv introduced 1kVA to 3kVA capacities of the Vertiv Liebert GXE, an online double conversion, single-phase uninterruptible power supply (UPS) for 230V applications designed to support critical applications deployed at the network edge. With the addition of the new models, the Liebert GXE family is now available in a complete 1kVA to 10kVA capacities range and is ready for immediate shipping from stock within Europe, the Middle East, and Africa (EMEA), Asia, and LATAM warehouses.

The Liebert GXE 1-3KVA UPS is available in a compact tower-only model or in a flexible rack/tower convertible design and delivers high efficiencies of up to 91% in online mode and up to 96% in ECO mode. It features a battery management system that supports prolonged battery lifespan and minimises the need for replacements. Additionally, its output power factor of 0.9 allows for more active loads to be connected within a given space, while its online double conversion technology protects equipment from power disturbances.

The Liebert GXE rack/tower models provide scalable runtime for applications that need extended backup during AC mains outages, achievable by adding up to four external battery cabinets, and a fast recharge time thanks to its powerful 6 Amp internal charger. The hot-swappable VRLA batteries are user-replaceable without needing skilled personnel or powering down the loads, ensuring smooth operation and reduced maintenance costs.

The Liebert GXE features an intuitive LCD display that offers insights into the UPS status, facilitating effortless installation and operation. This unit provides remote monitoring capabilities, enabling convenient access to IT infrastructure via the optional Vertiv Liebert Intellislot Unity Communications card, along with a complimentary download of the Vertiv Power Insight software. Finally, Vertiv offers a wide service offering including limited warranty extensions, Power Emergency packages, and other options, depending on the country and UPS model.

"The rapid advancement of digitalisation, including AI and the growing reliance on data services, makes power continuity increasingly crucial for all businesses, even at the network edge," stated Andrea Ferro, vice president for channel, IT and edge applications at Vertiv in EMEA.

"The Liebert GXE provides energy-efficient and reliable power protection, helping small and medium businesses sustain operations in these distributed applications."

The UPS is available with a comprehensive range of limited warranty extensions and service programs designed for single-phase UPS systems. These service programs are available in select countries.

EMEA resellers in participating countries can earn points through the Vertiv Incentive Programme (VIP) for various activities, including sales of the Liebert GXE and other products in Vertiv's IT channel portfolio.

Enquiries: [www.vertiv.com](http://www.vertiv.com)

## AI and the Internet of Things enhance operational efficiency

In this article Frost & Sullivan consultant Hannro Steenekamp explores the transformative potential of Africa's mining sector.

The African mining sector is poised for a transformative era driven by technological innovations, sustainability imperatives, and global demand for critical raw materials (CRMs). As the world transitions towards clean energy, Africa's vast mineral resources position the continent as a crucial player in the global supply chain. Below, I explore the multifaceted opportunities emerging in African mining, focusing on technological advancements, sustainability practices, and strategic investments.

Companies worldwide are increasingly seeking sustainably sourced minerals to meet growing consumer and regulatory demands for environmentally responsible supply chains.

The integration of cutting-edge technologies is revolutionising mining operations across Africa. Automation, artificial intelligence (AI), and the Internet of Things (IoT) enhance operational efficiency, safety, and productivity. Companies like Nokia and Sedna Industrial IT Solutions are collaborating to introduce digital twins, edge computing, and autonomous drones in South African mines, showcasing the industry's commitment to digitalisation.

Over the past decade, Geographic Information Systems (GIS), 3D imaging and modelling, and data analytics have significantly impacted mining operations. Looking ahead, autonomous vehicles and drones, AI, and advanced 3D imaging and modelling (including digital twins) are expected to be the most

transformative technologies in the sector in the next ten years.

De Beers' USD 2 billion investment in the Venetia Underground Mine in South Africa exemplifies this trend. The company aims to create one of the world's most mechanised and automated mining operations. Such initiatives improve productivity and significantly enhance worker safety by reducing human exposure to hazardous conditions.

The global push for sustainability has catalysed a shift towards environmentally responsible mining practices in Africa. Mining companies increasingly adopt eco-friendly technologies and community engagement programs to ensure long-term project sustainability. Integrating renewable energy sources, such as solar and wind power, reduces the mining operations' carbon footprint while aligning with global sustainability goals.

Virtual twin technology, as offered by Dassault Systèmes' GEOVIA brand, enables miners to simulate and assess the environmental impact of its operations, supporting more sustainable resource management and minimising ecological disruption.

Africa's rich deposits of CRMs, crucial for clean energy technologies, present a significant opportunity. Countries like the Democratic Republic of Congo, with its vast cobalt reserves, are pivotal in the global battery supply chain. Developing Special Economic Zones for battery manufacturing in the DRC and Zambia underscores the continent's potential in this sector.

The push for supply chain diversification away from China further amplifies Africa's strategic

importance in the CRM market. This trend drives investments in local mining ecosystems, recycling initiatives, and innovative extraction methods. The urgency of these efforts is underscored by projections indicating a staggering 168.8% supply shortfall for Rare Earth Elements (REEs) by 2030, highlighting the critical need for increased production and efficient resource management.

The transformation of Africa's mining sector attracts substantial investments and fosters strategic partnerships. Global players like Huawei are deploying advanced technologies, including 5G networks, in African mines to enhance connectivity and operational efficiency.

Despite the promising outlook, the African mining sector faces infrastructure deficits, regulatory uncertainties, and geopolitical risks. However, these challenges also present opportunities for innovation and growth. Investments in infrastructure development, workforce training, and technology adoption are essential for overcoming these hurdles and realising the sector's full potential.

The African mining sector is poised for significant growth, driven by technological innovation, sustainability practices, and the global demand for critical raw materials. By embracing these opportunities and addressing challenges through strategic investments and collaborations, Africa can strengthen its position as a worldwide mining powerhouse while contributing to sustainable economic development across the continent.

Enquires: [www.frost.com](http://www.frost.com)



## Meet Aberdare's regional manager for exports – SADC, East Africa, and the Middle East

With a background in international business development and export management, Shan Tippru is making strides at Aberdare as the Regional Manager for Exports – SADC, East Africa, and the Middle East. He shares insights with Sparks Electrical News about his exciting role.

### 1. How has your transition into the role of Regional Manager for Exports been so far? What have been some of the key challenges and opportunities you've encountered?

The transition to Regional Manager for Exports has been both exciting and challenging. One of the primary challenges has been understanding the distinct market dynamics of the various regions I oversee, such as SADC, East Africa, and the Middle East. Each region presents its own set of regulatory environments, cultural differences, and market demands, necessitating a tailored approach.

However, these challenges are coupled with significant opportunities, particularly in the infrastructure and energy sectors.

The main challenge has been swiftly adapting our strategies to capitalise on these opportunities while navigating the complexities of cross-border logistics and maintaining robust relationships with local partners.

### 2. What is your professional background?

I have a background in international business development and export management, with over a decade of experience in sales and market development. My career has focused on expanding market presence in emerging economies, particularly in Africa and more recently, the Middle East. Before assuming my current role, I held various positions in industry-leading companies, covering strategic planning, sales, and operations. This experience has provided me with a deep understanding of global markets and the ability to navigate the complexities of international trade.

### 3. Given your oversight of such diverse regions, how do you focus on meeting the specific needs and market dynamics of the SADC, East Africa, and Middle East regions?

Understanding and adapting to the unique needs of each region is critical. I rely on a combination of market research, local knowledge from our on-the-ground teams, and close relationships with stakeholders in these regions. For instance, in the SADC region, our focus is on mining and energy, while in East Africa, we are concentrating on infrastructure and telecommunications. The Middle East presents opportunities in the construction and oil & gas sectors. We customise our approach by adjusting product offerings, pricing strategies, and marketing efforts to meet each market's specific needs. Regular communication with local teams and partners ensures that we remain agile and responsive to any changes in market dynamics.

### 4. How do you approach establishing and nurturing relationships with key stakeholders across such a wide and varied geographic area?

Building strong relationships requires a blend of cultural sensitivity, consistent engagement, and a thorough understanding of each stakeholder's needs and goals. I prioritise face-to-face interactions whenever possible,



Shan Tippru.

particularly during roadshows and site visits, which help build trust and rapport. In regions where travel is less frequent, we maintain regular contact through virtual meetings, ensuring our local teams are empowered to engage with stakeholders daily. I also make it a point to listen actively and respond promptly to any concerns or feedback, which fosters long-term, mutually beneficial relationships.

### 5. How is Aberdare incorporating sustainability and innovation into its export practices in these regions, and how important are these factors in your overall strategy?

Sustainability and innovation are central to Aberdare's strategy. Our R&D department plays a crucial role in supporting market development. We recognise that the future of business, particularly in emerging markets, hinges on sustainable practices and innovative solutions. We are actively seeking ways to optimise our supply chain, use more sustainable materials, and support local communities in the areas where we operate. Innovation is equally important. We are investing in new technologies and product development to meet the specific needs of these regions, such as energy-efficient cables and smart infrastructure solutions. These initiatives not only help us meet the growing demand for sustainable products but also position Aberdare as a leader in responsible business practices.

### 6. As a new leader in this role, how are you building and developing your team to ensure they are aligned with Aberdare's goals and equipped to meet the demands of these diverse markets?

Building a strong, cohesive team is one of my top priorities. I am committed to fostering a collaborative and inclusive culture where all team members feel empowered to contribute to our shared goals. We provide regular training and development programmes to ensure our team has the skills and knowledge required to navigate the complexities of the markets we serve. Clear communication of our goals and strategies is also essential, so everyone understands how their work contributes to the bigger picture. By setting clear expectations and offering ongoing support, I aim to build a team that is not only aligned with Aberdare's goals but also motivated to exceed the demands of these diverse markets.

#### NOTE:

The April issue of *Sparks Electrical News* contained an error on Page 16 where the wrong picture of Shan Tippru was published. We regret the error.

Enquiries: [www.aberdare.co.za](http://www.aberdare.co.za)

## Create safe manufacturing work environments with LION 900

ALCO-Safe announced the addition of the LION 900 breathalyser to its product line. Developed by LION Laboratories, the LION 900 is a cutting-edge handheld device designed for fast, accurate, and on-the-spot determination of a subject's breath alcohol concentration level.

The LION 900 features a revolutionary electrochemical fuel cell sensor that delivers accuracy and stability in delivering reliable breath alcohol readings. This translates to consistent readings and confident decision-making in safety-critical situations, which ensures legal defensibility in court through adherence to strict standards and reduces long-term costs by minimising calibration needs and extending sensor lifespan.

"The LION 900 represents a significant leap forward in breathalyser technology. Its exceptional accuracy, advanced connectivity features, cloud-based app integration with industry-leading compliance certifications, and future-proof design make it an invaluable tool for a wide range of applications," notes Rhys Evans, Managing Director of ALCO-Safe.

The LION 900 goes beyond basic breath alcohol testing. Bluetooth connectivity allows for effortless connection to various devices like printers, PCs, or mobile phones. GPS technology provides pinpoint location data for each test, ensuring transparency and detailed record-keeping. Test data can be uploaded to a secure, cloud-based app, enabling:

- Centralised data management: Access and manage all test results from a single location.
- Customisable reporting: Generate reports tailored to your specific needs.
- Actionable insights: Gain valuable insights into testing trends and identify potential areas of concern.

ALCO-Safe takes data management a step further with a unique white-labelling opportunity. The cloud-based app can be customised to a company's branding, allowing companies to develop specific features and functionalities to meet their needs, depending on the use case.

#### Future-proof design

The LION 900 is built for the future. Its powerful processor paves the way for ongoing software updates, introducing new features and functionalities over time.

The LION 900 caters to various industries with its unique features. Multi-site operations can monitor testing frequency, identify areas requiring additional focus, and generate custom reports for informed decision-making. The white-label functionality can further enhance internal processes.

Enquiries: [www.alcosafe.co.za](http://www.alcosafe.co.za)

## The Power of Six: Principles for effective systems engineering and integration

Eaton introduces the 'Power of Six,' a set of principles forming the foundation of their systematic approach to data centre design. This holistic perspective aligns with South Africa's power infrastructure needs, advancing the country towards self-aware and self-optimized data centres.

1. Design of Critical Power System Components: The first principle emphasises understanding the characteristics and behaviours of critical power components to optimise performance and energy efficiency. By using data analytics during the operational phase, efficiency can be improved, utilisation maximised, and potential issues anticipated.
2. Asset Management and Condition-Based Monitoring: This principle advocates for a digital layer in power management systems, enabling proactive asset monitoring and management. Continuous monitoring ensures peak efficiency and early identification of risks. Digital twinning, AI, and machine learning enhance performance from the design stage by identifying equipment issues and monitoring energy efficiency.
3. System Design: A broader approach to system design is encouraged, considering interdependencies beyond the power train. Proper integration of components minimises energy wastage, optimises high-power loads like cooling, and reduces component failure. Improved communication between components enhances overall system performance and lifespan.
4. Energy Efficiency: A systems engineering approach reduces power losses and operational costs while meeting sustainability goals. Selecting the right equipment and utilising a digital platform for monitoring can lead to significant energy savings and optimised system performance.
5. Integration with Renewables: Integrating renewable energy sources into the power ecosystem ensures resilient and reliable power. A comprehensive approach is required to manage the variability of supply, grid stability, and the impacts on harmonics and voltage fluctuations from inverter-based power sources.
6. Flexible and Dynamic Design: This principle stresses the importance of adaptability to accommodate changing demands and emerging technologies. Eaton's products address challenges related to variable loads, optimising system operation and reducing power losses.

Enquiries: [www.eaton.com](http://www.eaton.com)

## ACTOM Kenya completes first protection panels and secures key contracts in the East African region

Since opening its Low-Voltage (LV) manufacturing facility in Kenya in July last year, electrical equipment and services supplier ACTOM has identified several growth opportunities in the region.

Kelvin Ageng'o Oriwo, General Manager of ACTOM Kenya, says while the factory has been heavily focused on the LV space, it recently built its first Medium-Voltage (MV) protection panel.

"Since we are the only manufacturer in East Africa who builds MV protection panels, we expect this to be a key area of growth for us across the East Africa region, specifically in the Kenyan, Ugandan and Tanzanian markets," says Oriwo.

He adds that ACTOM Kenya has recently secured various "mission-critical" contracts, such as for the supply of LV Panel BlokSets to Uganda, Kenya, and Rwanda.

"The orders from Kenya and Rwanda are critical as the pharmaceuticals sector is a quality- and specification-sensitive space. This therefore speaks to our strength in terms of product quality and guarantees, alongside our capacity to service clients specifically concerned with assurance and quality," stated Kelvin.

"The Uganda contract is a sensitive project with a major brand client, reflecting the growing trust brands are placing in ACTOM Kenya in the region. Given that the client is in Uganda, the contract aligns with our efforts to ramp up our regional output."

### Global trends

Oriwo says ACTOM's decision to establish a manufacturing hub in Kenya was largely influenced by global trends of multinational companies increasingly coming into East Africa, with their entry point most

often being Kenya.

"Additionally, the technical capacity in Kenya is generally much higher than in many countries in the Sub-Saharan region. So, it makes it easy for an Original Equipment Manufacturer (OEM) like ACTOM to find its footing in this country," he explains.

"Along with those factors, ACTOM has also performed very well in South Africa over the years. However, if you compare South Africa's Gross Domestic Product (GDP) with the combined GDPs of Kenya, Tanzania and Ethiopia, it is a bigger market than South Africa."

To achieve its goal of becoming the powerhouse that powers Africa, it makes sense for the group to drive geographical diversification into East Africa.

Oriwo points out that the electricity uptake per capita in the East African region is also generally lower than in South Africa, meaning that the region has a lot of growth potential in the energy space. It therefore makes sense for an OEM to plug into this opportunity.

### Fully localised

ACTOM Kenya's manufacturing facility is now 100% localised and employs 66 people directly and a further six indirectly. Oriwo says that this fosters a sense of pride and confidence within the local business community as they operate and manage a large factory.

"The strategy for ACTOM Kenya in this region is to eventually bring the entire offering of the group into the region and not just what we manufacture in Kenya. This expo is a good opportunity for us to showcase the breadth of products and capacity that we have in ACTOM."

Enquiries: [www.actom.co.za](http://www.actom.co.za)

## Ignis Fire Testing unveils South African-built fire testing Facilities

Ignis Fire Testing launched their expanded laboratory and workshop in August as the largest privately-owned fire testing facility in Africa.

The facility showcases the excellence of South African engineering and innovation, with all components locally manufactured while their services compete at the highest international standards.

Strategically located in Blackheath near Cape Town and Stellenbosch, this advanced facility is poised to meet the growing global demand for comprehensive fire safety testing while addressing crucial local needs.

### South African engineering excellence

Under the leadership of Dirk Streicher, who brings over 40 years of civil engineering experience, Ignis Fire Testing boasts a diverse team of expert engineers and technical staff. The new 1500-square-metre facility, featuring an 18-metre-high roof, is kitted with fire testing equipment of the highest quality, including three custom-built furnaces, five reaction-to-fire tests, and a cone calorimeter.

All the hardware, software, and control systems were designed and built in South Africa by Ignis Fire Testing's team. This ensures enhanced functionality and innovation while minimising reliance on costly imports. The facility also emphasises sustainability, incorporating rainwater harvesting, solar power, and advanced air filtering systems to improve indoor air quality and reduce toxic emissions.

Streicher explains, "We saw the gap in the market for local fire testing. Where do you go if you have to test products or materials to adhere to fire safety standards? There are few local options. Even internationally, the testing demand is bigger than the supply, leading to major backlogs. It is also very expensive for South Africans to test abroad."

Enquiries: [www.ignistesting.co.za](http://www.ignistesting.co.za)

## How to test for continuity with a multimeter

Understanding the role of a continuity tester in electrical diagnostics is crucial for professionals and enthusiasts alike.

This guide offers a step-by-step approach to using a digital multimeter as a continuity tester, ensuring precise and safe measurements. Whether testing switches and fuses or making general electrical connections, mastering a continuity tester is critical to effective electrical troubleshooting.

### Setting up your digital multimeter for continuity testing

First, properly setting up your digital multimeter for the continuity test is essential. This involves:

**Selecting the correct mode:** Turn the dial to Continuity Test mode. This mode is often combined with other functions, typically resistance ( $\Omega$ ). The multimeter's display may show OL and  $\Omega$  with the test probes separated.

**Activating continuity mode:** Some models require pressing a continuity button to activate this specific testing mode. If your multimeter has this feature, ensure this step is followed.

### Executing the continuity test: Step-by-Step Instructions

Once your digital multimeter is set up, follow these steps to conduct the continuity test:

**Connecting test leads:** Insert the black test lead into the COM jack. Then, insert the red lead into the V $\Omega$  jack. Always remove the leads in reverse order after testing: red first, then black.

**Testing the circuit:** Connect the test leads across the tested component with the circuit de-energised. The position of the test leads is arbitrary, but ensure the component is isolated from other components in the circuit.

**Interpreting results:** The digital multimeter (DMM) emits a



beep if a complete path (continuity) is detected. If the circuit is open (the switch is in the OFF position), the DMM will not beep.

**Concluding the test:** When finished, always turn the multimeter OFF to conserve battery life.

### Principles and practices

Continuity is the presence of a complete path for the current flow. A circuit is considered complete when its switch is closed. Here are some key points to remember:

**Applications of continuity testing:** A digital multimeter's Continuity Test mode is versatile and suitable for testing switches, fuses, electrical connections, conductors, and other components. For example, a good fuse should show continuity.

**Audible indicator:** The beep is an audible response from the DMM when it detects a complete path, allowing technicians to focus on the test without constantly monitoring the display.

**Understanding resistance and beeps:** The beep is triggered based on the resistance of the tested component, influenced by the multimeter's range setting. For instance, at a 400.0  $\Omega$  range setting, a multimeter typically beeps if the component has 40  $\Omega$  or less resistance.

**Optimal range setting:** Use the lowest range setting to test components with low-resistance values, such as electrical connections or switch contacts.

Enquiries: [sales@comtest.co.za](mailto:sales@comtest.co.za) or [www.comtest.co.za](http://www.comtest.co.za)



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## The critical role of switchgear in modern electrical systems

In the rapidly advancing field of electrical distribution, reliable switchgear plays a crucial role in ensuring safety and efficiency. It serves as the backbone of electrical safety, essential for controlling, protecting, and isolating electrical equipment across industrial, commercial, and residential settings.

ACDC Dynamics leads the industry in providing a diverse range of switchgear solutions designed

to meet the highest standards of modern electrical infrastructure. These devices, including circuit breakers, switches, fuses, and protective relays, are vital for managing and safeguarding electrical circuits.

The primary functions of switchgear are to de-energise equipment for safe maintenance and to clear faults downstream, preventing equipment damage and ensuring an

uninterrupted power supply.

At the core of our offerings is Terasaki, a pioneer in innovative switchgear technology. As a foundational brand in our distribution network, Terasaki's advanced circuit breakers and protection devices are synonymous with quality and reliability. Their expertise has set the standard for our commitment to excellence in electrical safety and performance.

In addition to Terasaki, ACDC Dynamics proudly distributes other premium brands such as Gave, C&S Electrical, and Katko, each contributing to our comprehensive range of switchgear solutions.

Gave is renowned for its user-friendly and durable switchgear products, including isolators, changeover switches, and load break switches. These solutions are engineered to meet the rigorous demands of modern electrical installations, ensuring long-lasting performance in both industrial and commercial environments. C&S Electrical is another key brand within our portfolio, recognized for its cutting-edge technology and unwavering commitment to safety.

Offering a wide range of low-voltage switchgear—such as circuit breakers, motor starters, and distribution boards—C&S Electrical provides superior protection and control. Their focus on sustainability and energy

efficiency makes their products ideal for forward-thinking applications.

Katko, synonymous with high-quality safety switches, adds a unique dimension to our switchgear range. Designed for maximum safety in electrical installations, Katko's products are particularly valued for their robust construction and ease of use. Widely employed in industries ranging from manufacturing to renewable energy, Katko's safety switches ensure that critical systems operate reliably and safely.

Switchgear is the foundation of any electrical system, ensuring the safe and efficient distribution of power. With our extensive product range, we are able to provide the solutions needed to meet the demands of modern electrical infrastructure. Whether for industrial, commercial, or residential applications, our switchgear solutions offer the reliability, safety, and innovation essential for smooth and secure operations.

As the electrical industry continues to evolve, the importance of reliable switchgear will only grow. With ACDC Dynamics and our trusted brands, businesses can be confident that their electrical systems are equipped with the best products and expertise available, ensuring they are always prepared to meet the challenges ahead.

Enquiries: [www.acdc.co.za](http://www.acdc.co.za)



## Introducing ALL-DB: Allbro's revolutionary domestic distribution board range

Direct Current (DC) installations are different from traditional AC systems and come with unique challenges.

One of the main concerns is detecting DC arcing, a strong electrical arc that can occur when there is a fault in DC circuits within a PV installation. These arcs start fires and the intensive energy they generate poses a significant risk to firefighters during their efforts to suppress the fire.

Common household plastics can become a fuel source in such scenarios. That's where Glass Reinforced Polyester (GRP) comes in. By using GRP in its ALL-DB range, Allbro offers a much safer solution for homeowners.

The ALL-DB range of Domestic Distribution Boards is essential for household power distribution, especially for renewable and backup power installations in homes.

Combining advanced technology, safety, and sleek design, ALL-DB sets a new standard for efficient and secure power management. Retrofitting distribution boards requires innovative solutions. Designed and manufactured in South Africa, for the world.

What makes ALL-DB stand out is its use of GRP. This strong thermoset material is known for its excellent insulation and flame-resistant properties. GRP ensures installations are both safe and durable, eliminating the need to choose between safety and practicality. GRP is widely trusted in commercial solar farms for its reliability.

GRP is made through a special process that permanently changes the material's structure using a catalyst. Unlike plastic, which is melted and reshaped, GRP is formed under pressure and high temperature, making it a perfect choice for DC enclosures. This material is already used in water tanks, train parts, and moulded case circuit breakers (MCCBs). Using GRP enclosures in Solar PV installations

ensures a non-flammable material, future-proofing installations before any changes in standards and regulations. Plus, it's cost-effective compared to plastic and steel options.

Allbro has also revolutionized cable access with the ALL-DB range. The new design features a cable entry system at the back-plane, eliminating the hassle of looping cables at different distances from the wall. This makes installations tidier and more visually appealing.

The ALL-DB's unique installation method utilises a mounting bracket, which is first mounted to the wall. The distribution board is then fitted to the mounting bracket through pre-moulded holes in the base of the enclosure. This system makes installation easier and more accurate.

In the context of energy challenges and rural electrification across the continent, ALL-DB positions Allbro as a leader in reshaping power distribution. Their innovative approach, combining material advancements, design elegance, and local production, is a significant step toward providing homes with sustainable and secure energy solutions.

Allbro's focus on the electrical industry includes LV, MV, and HV applications. As a supplier of enclosures for many solar farms built under the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP), Allbro is ahead of the curve in future-proofing enclosures and other critical components of Solar PV installations, including inverters and battery storage.

Allbro stands apart as a local manufacturer with the expertise needed to be at the forefront of the changing power landscape in South Africa.

Enquiries: [www.allbro.com](http://www.allbro.com)

## ALL-DB DISTRIBUTION BOARD



**GRP distribution boards** designed for Solar PV installations: a guaranteed UL 94 V-0 rated flame-retardant material that ultimately future-proofs installations. Available in surface and flush models\* in 8 way, 13 way, and 26 way.

\*26 Way ALL-DB available in surface only

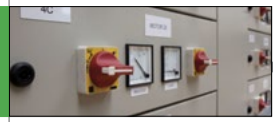


After an in-house burn test: A plastic distribution board (left) next to the ALL-DB GRP Distribution board (right)

**ALLBRO**

Watch the ALL-DB comparative burn video





## WEG's E-house solution in Mozambique

Now in the final stages of installation and commissioning, an important substation E-house facility at Sasol's Upstream Production Sharing Agreement (PSA) Project in Mozambique has relied on WEG Africa's depth of experience, locally based technical infrastructure and specialised skill sets.

The E-house solution with transformers and generator set, procured by EPCM contractor Wood, was locally designed and manufactured by WEG Africa and supplied in partnership with local engineering firm Proconics.

"The project has been a successful demonstration of our product quality and technological capacity, delivered to the highest global standards," says Lukas Barnard, WEG Africa's Sector Specialist Oil and Gas - Business Development.

"Our scope of supply was really the 'electrical heart' of the project - with the electrical supply and control for the entire PSA plant coming through the E-houses."

The PSA Project includes the construction of facilities to produce 23 million gigajoules of gas/annum, which will power the Temane Thermal Power Plant (CTT) to generate 450MW of electricity and excess gas for export. It will also include

a Liquefied Petroleum Gas (LPG) facility that will produce 30,000 tons per year, meeting 75% of Mozambique's cooking gas demand, as well as light oil for export. The substation package measures 45 m by 22 m and includes medium voltage (MV) and low voltage (LV) switchgear, a battery room, a local equipment room and an HVAC system.

Barnard highlighted how the E-house option overcomes the various challenges of building conventional electrical facilities on-site in countries with limited infrastructure. WEG Africa could manufacture and pre-assemble the E-houses under controlled workshop conditions at its advanced facility in Heidelberg, Gauteng. The design also responded to the harsh environmental conditions and other risks on the site.

"The site for which the E-house solution has been designed is in a region which has experienced multiple hurricanes in the past," Barnard says. "WEG Africa also considered the elevation and environmental weather conditions to ensure the E-house solution will withstand the harshest conditions."

Special treatment of the steel was necessary to ensure the high level of corrosion protection required by the

client. All related work was conducted in accordance with SANS 12944 for C5M - or highly corrosive - environments. Outer walls are constructed from 3CR12 stainless steel, with galvanised steel for outside staircases and walkways. Another design element which the structure includes is its ability to resist seismic events with ground acceleration of up to 0.20g - the measure of g-force or ground acceleration.

The conducive workshop conditions for constructing the E-houses - and the ready access to the necessary expertise - facilitated strict adherence to WEG Africa's manufacturing quality standards, which are aligned to ISO 9001. Barnard notes that this also allowed for greater manufacturing efficiency, while reducing the number of people required on site; improving safety levels and minimising the risk of construction-related incidents.

"The whole package, with all the relevant equipment, could be transported to site," he explains. "Even though the logistics were challenging, this method greatly reduced the complexity and timeline, due to all the equipment already being installed and tested."

He reiterates that this project combined the manufacturing capabilities of WEG Africa and the project management and design capabilities of Proconics. This demonstrates that the partnership the two companies have built can provide full turnkey solutions to the oil and gas industry.

"Working closely with the contractor, WEG Africa and Proconics ensured all the client expectations were met, and the highest quality of workmanship delivered," he says. "The success of a project like this also sends a clear message to the market that the necessary expertise and industrial capabilities are right here in South Africa."

He says the experience gained from this project has proved that WEG Africa is well positioned to execute similar projects in the energy sector. The success with which project challenges were overcome also generated important lessons that can be carried into future projects.

"WEG Africa's portfolio in the energy sector is growing steadily, which is good news in terms of responding to the country's current energy challenges," he concludes.

Enquiries: [www.weg.net](http://www.weg.net)



The WEG E-house option overcomes the various challenges of building conventional electrical facilities on-site in countries with limited infrastructure.



An important substation E-house facility at Sasol's Upstream Production Sharing Agreement (PSA) Project in Mozambique has relied on WEG Africa's depth of experience.

## Successful networking at PADC for Legrand South Africa

The Pan African DataCentres (PADC) Exhibition & Conference held at the Sandton Convention Centre in July was a great success for Legrand South Africa.

Although Legrand has played a prominent role in Southern Africa's digital sector for many years, the company's comprehensive data centre solutions are now even more critical in a burgeoning market. Legrand - which has made a significant investment in the latest digital technologies and trends - offers customised solutions designed to meet current and future requirements.

The PADC Exhibition was the ideal forum for Legrand to showcase advanced data centre solutions and services to key visitors who included data centre focused decision makers, engineers and specifiers. This year's event, delivered attendees from 29 countries, with a 40% growth in

attendees year on year.

Legrand's interactive stand displayed a broad range of specialised data centre products and also highlighted the local team's important supply, design, installation and commission services.

Of particular interest during the show were Legrand's XL3-S distribution boards, Linkeo racks, Linkeo HPE UPS and USystems rear door cooling. Also on display were Linkeo and Raritan PDUs and dry type cast resin transformers.

Highly efficient USystems rear door cooling systems, which have been developed especially for use on data centre/server cabinets, replace the traditional approach to data centre cooling and permit load removal of over 90 kW per cabinet.

Legrand's new cooling system operates on a closed loop water circuit to ensure

optimum thermal and energy performance, by removing heat generated by the active equipment, directly at source. An important benefit of this system is the capability to withstand low medium and higher density demands experienced in today's data centre environments.

This means hot/cold aisles are no longer necessary, allowing users to capitalise on the use of actual real estate within the data hall. Legrand's advanced cooling solution also gives the flexibility for alternate room layout and enhanced scalability possibilities.

To reinforce Legrand's global footprint and international expertise, the local team was supported by colleagues from France, Holland, Mauritius, USA, UK and Equatorial Africa.

Enquiries: [www.legrand.co.za](http://www.legrand.co.za)

## DBSA is ready for any challenge



According to Josh Berman Distribution Boards SA (DBSA) started in 2020 much like a baby nurtured by its mother and fed the finest of formula, only it wasn't. "It was flung into existence on the cusp of Covid battling the rapids of industry without its floaty. But the choice to swim or drown wasn't so much present as it wasn't," he says.

"We are 862 days post pandemic - even more miraculously - 130 days without loadshedding. South Africans are resilient, they are the cream of the maize crop and the salt of the mined earth. Much like South Africa's perseverance, Distribution Boards SA embodies that resilience by producing long life, high quality and remarkably engineered Electrical Distribution Boards," adds Berman.

Berman is lyrical about the business. "Diamonds form under pressure, but so do Sulphur deposits, and we all know how that smells. Strain on a company can either lead to retrenchments or innovation - DBSA chose the latter, and we pride ourselves on utilizing the latest tech to produce the goods. That's why every 3 out of 4 machines at DBSA contain the word "Laser". And much like Dr Evil in Austin Powers, we look for every opportunity to use them," he says.

Speaking of pressure, DBSA fabricate all their steel enclosures with in house state-of-the-art CNC machinery. "Our Factory features press brakes, laser cutters, laser welders, CNC busbar processing machines and a variety of fit-for-purpose tooling that are all precisely calibrated to the finest of tolerances," says Berman.

"We even have a 3D printer for items that our engineers dream up, the type that won't be found in a catalogue or off the shelf - a big sticker on it reads "FOR WORK-RELATED PROJECTS ONLY". We have ECSA registered professional engineers that work around the clock, and we unashamedly take advantage of their people-pleasing inability to say no by enforcing they see to every customer's needs."

DBSA's experience lies in consulting, manufacturing, metal fabrication and "one too many 220V close calls," according to Berman. DBSA also has both SABS certification as well as ISO9001 and level 2 BBBEE status.

At the forefront of the DBSA's collective is collaboration. They have a myriad of on-going projects and always welcome likeminded companies and individuals to bounce around ideas, share some innovation or team up to build something better than one company could alone.

"And Like our favourite Australian break-dancer at the Olympics, we aren't afraid to give it our all and show our true colours, the only difference is we actually know what we're doing," concludes Berman.

Enquiries: [www.electricalboards.co.za](http://www.electricalboards.co.za)

## Making a world of difference in energy security

**E**dith Kikonyogo, Local Division Manager, Southern Africa Cluster, ABB Process Automation, Energy Industries gives a breakdown of how ABB is shifting reliance on fossil fuels.

Since the dawn of time, humans have used energy sources to keep us warm and safe. But, in the face of rapid industrialization and technological advancements, modern society has relied and become dependent on fossil fuels for power generation.

The scientific community has warned us that unmitigated carbon emissions will exacerbate global warming and threaten our health, agriculture, water supply, biodiversity, and natural ecosystems. The Paris Agreement, adopted at the UN Climate Change Conference (COP21) on 12 December 2015, became our roadmap for climate redemption.

The effect of this crisis is felt most in Africa, the second largest continent on our planet and home to more than a billion people. According to the International Energy Agency (IEA), Africa accounts for around 20 percent of the world's population but attracts less than three percent of spending on energy. Africa also has the lowest emissions per capita of any region as per the IEA's 2022 report. With severe climate change impacts and lower investment on energy, Africa faces a rising demand for an uninterrupted electricity supply.

Addressing this challenge requires

a focus on energy security and a shift towards renewable energy in Africa. With industries in the region already adopting renewable energy, ensuring a stable, affordable, and uninterrupted electricity supply is equally important to securing Africa's energy sector.

ABB's Energy Industries division is making a world of difference in helping industries across Africa automate, digitalize, and electrify their operations to optimize productivity and ensure operational efficiency while driving sustainability.

Our integrated automation and digital solutions support many customers worldwide in developing new and renewable energy models - enabling energy-efficient and low-carbon operations across traditional industries. ABB Energy Industries has ongoing projects with customers from the oil and gas, chemicals, power generation, life sciences, and water industries.

We understand that energy is essential for society to progress even further, and the entire energy mix, including hydrocarbons, has a role to play. By prioritizing the efficient production and processing of resources, with their responsible use, we can enable industries to reduce emissions, as part of the transition to net zero by 2050. Our many years of experience allows us to support industries in Africa and other regions to meet their commitments and maximize the value of their operational

investments while reducing carbon emissions, waste, and costs throughout the energy transition journey. ABB Energy Industries division is enabling the energy transition process in Africa in a more sustainable manner.

One example of how ABB makes a difference is in Gas. The technology we use for gas pipelines helps meet the world's needs, and our analytical equipment detects leaks for further actions. We also worked on developing dual-fuel propulsion for liquefied natural gas ships, enabling them to utilize electric power as they deliver this fuel to where it's needed.

Some of our customers on the African continent struggle with delivering an uninterrupted energy supply due to various factors. Our ability to integrate power and process automation helps to stabilize energy supply, particularly when incorporating renewables. The ABB Ability™ System 800xA® distributed control system plays a central role in ensuring a secure, stable, and affordable energy supply for industries.

Another solution that enables balancing energy demand with availability is the ABB Ability™ OPTIMAX® energy management system. It provides operators insights on energy consumption and consolidates data from various sources. When customers consider new energy projects, minimizing risk and optimizing costs are essential. And with ABB Adaptive Execution™ methodology, the traditional project approach evolves to deliver results faster and with CAPEX savings of up to 40 percent.

While energy projects are under



**Edith Kikonyogo, Local Division Manager, Southern Africa Cluster, ABB Process Automation, Energy Industries.**

construction, one must reduce energy demand to increase availability. ABB's digital solutions deliver performance insights and empower industries to optimize energy use. These solutions include asset condition monitoring, asset health and management, predictive maintenance, energy management, simulation, virtual commissioning, remote support, and collaborative operations.

In Sub-Saharan Africa, we have a strong footprint backed by our skills, customer-centricity, products, and solutions. Whether you are looking at new energy sources or struggling with older power generation technologies, working together is the only way we can make a world of difference in progressing to a net zero future.

Enquiries: [go.abb/processautomation](http://go.abb/processautomation)

## Yaskawa South Africa: at the forefront of automation

**I**n the robotics and automation industry, and the sectors in which they are commonly employed, innovation and technical expertise often overshadow the human stories behind them. Caireen Thompson, Financial Director of Yaskawa Southern Africa, recounts her journey of determination, resilience, and a commitment to empowering others in a predominantly male-dominated industry.

Her story not only reflects her personal achievements but also underscores Yaskawa's dedication to diversity and inclusion.

Thompson's path to becoming a financial leader began with a decisive choice to enter the finance field while working full-time in accounts at Madison Freight Lines.

She explains, "I made this deliberate choice to enter the finance field, because I enjoyed the work I was performing, recognised its importance and the potential for career growth."

Pursuing a BCom degree at UNISA, she attended night classes and performed her job, which required immense dedication and sacrifice. She credits the invaluable support from her family and colleagues at Madison Freight Lines as crucial in overcoming the challenges she faced during this period.

"Their encouragement and understanding were crucial in overcoming challenges and maintaining focus on completing my degree and I will forever be grateful to them," she says.

Her academic and professional journey reached a pivotal point when she joined Baker Tilly JHB for her articles. Immersed

in an environment of high standards and ethical practices, Thompson thrived and grew.

"The mentorship I gained during these years will always be held in high regard by myself," she reflects.

This experience laid a solid foundation for her leadership skills, which she continued to develop as an audit manager at Baker Tilly JHB.

Thompson's introduction to Yaskawa Southern Africa came as a first-year audit clerk. She was immediately captivated by the potential of the robotics sector.

"I was awed and inspired by the boundless potential for innovation," she says.

Meeting Terry Rosenberg, the founder of Yaskawa SA, further fuelled her passion. "Terry's passion and drive for his company, coupled with his cheeky spirit and resilience, was captivating to me."

In her role as Financial Director, Thompson has faced challenges unique to women in high-level positions. She believes that attitude and conduct dictate how one is perceived and treated. "I've placed importance on the relationships built with those around me," she explains. Her ability to foster strong networks has been instrumental in navigating the complexities of her role.

Thompson's leadership has not gone unnoticed.

Marcus Mead, EMEA President, described her as "a highly experienced and valuable member of the global Yaskawa team."

For Thompson, this recognition is a testament to her team at Yaskawa. "It's a

team effort," she insists, acknowledging the support and collaboration that have contributed to her success.

Beyond her personal achievements, Thompson is dedicated to paving the way for other women in engineering and finance. She believes in leading by example, demonstrating that with dedication and discipline, "anything is possible."

Her role serves as a visible representation that women can succeed in these fields, breaking through the proverbial glass ceiling.

Her advice to aspiring leaders is both practical and profound. "Gain the technical skills required for the profession you choose," she advises, emphasising the importance of continuous learning and seizing opportunities.

She also highlights the value of mentorship, urging young women to utilise guidance from experienced professionals.

"Embrace challenges and don't be afraid to roll your sleeves up," she adds, encouraging women to showcase their capabilities and build trusted support networks.

Balancing a demanding career with personal life is another challenge Thompson addresses with candour.

"I am in awe of those that have mastered the work-life balance," she admits, emphasising the importance of maintaining a clear divide between work and personal time.

Looking ahead, Thompson's goals align with Yaskawa Southern Africa's strategic vision. She aims to increase market share within the SADC region and establish the company as the undisputed leader in the robotics industry. Central to this strategy is maintaining service excellence and exceeding customer expectations.



**Caireen Thompson, Financial Director of Yaskawa Southern Africa.**

For Thompson, empowering women in the workplace requires proactive initiatives and supportive environments. "I value the gender-neutral environment that Yaskawa has provided which has been instrumental in me succeeding in my position" she states.

Reflecting on her career, Thompson is proud of overcoming significant obstacles to achieve her current position. She values being part of the Yaskawa team, whose commitment to innovation, excellence, and sustainability resonates deeply with her. Her legacy aims to foster a fair and equitable environment where everyone can thrive. "By advocating for inclusivity, fairness, and equal access to opportunities, I aim to contribute to a workplace and industry where everyone can reach their full potential," she concludes.

Enquiries: [www.yaskawa.za.com](http://www.yaskawa.za.com)

## Africa Data Centres announces additional 6MW capacity now live in Cape Town

**Africa Data Centres**, a business of Cassava Technologies, has announced it is expanding its CPT1 facility in Cape Town.

This expansion shows the data centre giant adding three new state-of-the-art halls in new areas on the campus and adds another 6MW of IT load, effectively doubling its current capacity. The new expansion was implemented with support from the United States through a loan from the US International Development Finance Corporation (DFC) to Africa Data Centres.

According to Hardy Pemhiwa, President & Group CEO of Cassava, "This expansion by Africa Data Centres is in response to the increasing demand for co-location capacity in South Africa. Not only is Cape Town the second largest economy in South Africa, but it is also the de facto software and technology hub in Southern Africa."

The company is seeing tremendous growth in the data centre market in South Africa generally, as both national and international cloud and IT service providers seek to expand their footprints in the region.

In terms of size, the expansion adds 1000 racks of white space or the space available for customers to lease, although the physical site is significantly larger than that. It is made up of two more colocation data halls and one hyperscale hall.

The additional halls are built in the cutting-edge modular design pioneered by Africa Data Centres, which enables rapid scalability and a modern design that allows the facility to

be populated as and when required to suit the needs of the customer.

Pemhiwa says this would not have been possible without the support of the Ministry of ICT, Western Cape Provincial Government and the Western Cape Department of Economic Development. "I would like to acknowledge their ongoing support, as we expand our data centre facilities in South Africa."

The new halls feature the same cutting-edge security standards and focus on the elements that matter most to clients, including scalability, flexibility, and energy efficiency, to bring world-class, affordable solutions to all its clients in the area. This data centre is highly flexible and designed to accommodate different and evolving customer demands.

Additionally, this data centre boasts hybrid cooling technology capable of handling both air cooling and liquid cooling. Despite its versatility, no compromises were made on efficiency. It is one of the most efficient and sustainable data centres ever built in South Africa. It is powered by renewable energy, boasts a Water Usage Effectiveness of 0 due to no water consumption for the IT infrastructure, and has an impressive Power Usage Effectiveness rating as well.

The Africa Data Centres' CPT1 facility is at the forefront of pioneering the use of wheeled solar power in the market. This innovation is enabled through a 20-year Power Purchase Agreement (PPA) signed in March last year with Distributed Power Africa, part of the



This expansion shows the data centre giant adding three new state-of-the-art halls in new areas on the campus and adds another 6MW of IT load.

Cassava Technologies group. Africa Data Centres is the first company to successfully implement this groundbreaking technology in Africa, marking it the continent's first project of its kind.

"The introduction of wheeled solar power at the CPT1 facility offers significant benefits to our customers, providing a truly sustainable data centre solution. As the demand for data continues to skyrocket across Africa, a continent where power supply is often intermittent, the need for reliable, cost-effective, and green power has never been more critical," said Finhai Munzara, Interim CEO of Africa Data Centres.

By harnessing renewable energy, he says the CPT1 facility not only ensures consistent power supply but also supports sustainable operations, helping customers achieve their environmental goals. "Our state-of-the-art facility reduces reliance on non-renewable

energy sources, setting a new standard for sustainability in the data centre industry."

Munzara adds that Cape Town is an excellent location for colocation facilities as it is a stone's throw away from all the submarine cable landing stations. In addition, the Cape Town facility houses the Cape Town Internet Exchange (CINX), which makes multi-region peering more accessible, efficient, and easy to manage. This also facilitates direct connections between networks, enabling data to flow more efficiently and reducing latency, giving our users a faster, more responsive online experience.

In ending, Munzara says the expansion increases the capacity of the company's data centres in South Africa and it is an integral part of its investment plans to deliver several additional data facilities across the continent.

Enquiries: [www.AfricaDataCentres.com](http://www.AfricaDataCentres.com)

## When is the optimal time to upgrade your systems and processes?

**Adrian van Wyk**, Managing Director at Referro Systems gives insight into upgrades to maintain optimal productivity and avoiding downtime.

How does one determine the optimal time to upgrade your systems and processes with the minimum amount of downtime to ensure that you maintain your productivity targets?

With the rapid pace at which new and innovative technology is developed this is a question that faces operations, production, factory managers and C-suite executives when reviewing operational efficiencies in order to achieve ever increasing production targets.

The answer to this dilemma is easier, and not as expensive, as you may think and can be achieved through careful

planning, but more important is to ensure that you partner with a supplier who has the in-depth expertise and track record in dealing with complex technologically advanced systems and processes. The cost and associated risks of not acting timeously is immense resulting in unplanned downtime due to obsolete equipment breakdowns with no or limited access to extortionately expensive spare parts forcing you to implement expensive 'quick fixes' just to get production up and running.

When responding to the dilemma of when the optimal time is to upgrade your systems and processes there are a number of factors that need to be taken into account:

### Engineering solutions

Do not stress - it is not all gloom and doom - when partnering with an experienced service provider who can advise you on the most optimal solution that allows you to incorporate new technology into your existing infrastructure through a planned evolution of both your hardware and software.

It is important that this service provider has a track record and proven expertise to undertake a project of this nature that requires advanced engineering expertise across multiple disciplines, including process, automation and systems engineering with knowledge and access to the latest software and hardware available globally. They can advise you timeously when your hardware or software is reaching end-of-life and will no longer be supported, putting plans in place for a systematic upgrade of your equipment and processes while mitigating the associated risks in doing so. Projects of this nature can be implemented in stages allowing for both capex and production requirements.

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### Choosing the optimal network solution

As systems and processes develop so too does the technology to support these processes and the need

to migrate to new technologies in order to benefit from network advances being made. What is most beneficial is the opportunity that these new networks afford your operation.

Outdated networks, including DeviceNet or ControlNet, are now being replaced by Ethernet IP which is infinitely more cost effective and easier to install supplying faster processing speeds and richer more in-depth data offering real-time diagnostic information. An added advantage is that Ethernet IP not only operates on the control layer but also on a device and management layer providing a single transparent network. Due to advances in technology Ethernet IP is now the network of choice for both control and information.

### Hardware replacement

As technology develops manufacturers stop repairing and providing product support for hardware that is becoming obsolete. Spares become like hen's teeth and prices for this outdated technology starts to skyrocket. What you need to ask yourself is 'can you afford the cost of downtime and lost production that comes with outdated hardware breaking down?' It is critical that you work together with an engineering solutions provider to create a plan to address aging hardware taking into account the optimal time for replacement to ensure maximum product life versus the ever increasing cost of maintaining outdated hardware.

The adoption of new technology comes with many benefits including optimised spares holding through economies of scale providing cost savings; improved control, monitoring and reporting; and increased production capability if undertaken in a systematic and planned approach. What is critical is that the implementation of new technology has to be carried out via a planned and systematic approach to ensure that you are able to continue to deliver the production required to maintain and enhance your global competitiveness.

A final word of warning - do not leave the implementation of new technology to the point that it becomes disruptive to your business model risking both the profitability of your operation as well as relationships with your customers!

Enquiries: <https://referro.co.za/>



Adrian van Wyk.

## RS PRO's extended range of products aims to ensure automation efficiency

RS South Africa, a trading brand of RS Group plc (LSE: RS1), a global provider of product and service solutions, has announced the launch of its RS PRO Automation Efficiency.

This expansion enriches the RS PRO portfolio with over 1 100 new products spanning more than 18 technologies, emphasising its commitment to providing comprehensive and cutting-edge solutions for industrial automation. Ensuring efficiency in industrial automation processes is essential to improve plant performance when it comes to production, energy saving, consumption reduction and minimising environmental impact. "RS PRO offers a complete set of products across multiple technologies to maximise automation efficiency daily and keep your production line fully effective," comments Sales Director Erick Wessels.

Adding to a wide existing range of over 45 000 products in this area, the new launch has the ultimate goal of offering customers an ever-expanding and comprehensive choice at a competitive price. The new RS PRO range stands out as the go-to solution for improving the efficiency of automation processes, from saving energy to increasing productivity, while at the same time ensuring cost reduction.

From logic controllers and push buttons to Cat6 cables, circuit protection, energy-saving lighting and more, RS PRO offers a comprehensive one-brand solution for diverse industrial automation needs.

The Automation Efficiency launch targets a wide range of sectors, including food and beverage, paper and packaging, medical, pharmaceutical, chemical, oil and gas, equipment manufacturing, utilities, energy, engineering services, and automation. RS PRO aims to support designers, machine builders, and maintainers by providing a comprehensive offering that meets design and compliance specifications at every stage of the



Erick Wessels, Sales Director at RS South Africa.

product lifecycle.

Extended range of products includes maintenance

RS PRO, the own brand of RS, offers a comprehensive selection of over 80,000 products spanning all industries and technologies. Renowned for its quality and extensive range, RS PRO is the Smart Choice for businesses and working environments.

Planned maintenance is a crucial element of every production cycle, and manufacturing companies regularly schedule downtime for this purpose.

To support these maintenance activities, RS PRO is excited to announce the expansion of its



RS PRO ensures that its unique offering addresses the specific needs of each customer.

Planned Maintenance range.

This expansion adds over 850 new products across more than 24 categories to our portfolio, providing all the components and materials needed to optimise this essential process. Building on a broad existing range of over 55 000 products, this expansion aims to offer our customers an ever-expanding and comprehensive choice at a competitive price.

The new range stands out as the go-to solution for minimising downtime and increasing productivity while reducing costs – from monitoring equipment to assess machine performance to having the right parts available when needed. Test and measurement, automation components, lighting, cable accessories, batteries, fasteners and fixings, lubricants and greases, tools, PPE, site safety, and cleaning solutions.

RS PRO offers a comprehensive one-brand solution for diverse maintenance

needs. The Planned Maintenance expansion caters to a broad spectrum of sectors, including discrete and process manufacturing, energy and utilities, facilities and intralogistics.

With a new range expansion covering 100% of the 80,000 product selection, RS PRO ensures that its unique offering addresses the specific needs of each customer. In the ever-changing industrial landscape, RS PRO remains steadfast in its commitment to quality and choice, providing customers with a comprehensive range that meets design and compliance specifications at all stages of the product lifecycle.

For more information about RS South Africa's products and, visit their website and follow them on LinkedIn for regular updates on innovative solutions. RS South Africa is a proudly Level 2 B-BBEE accredited company.

Enquiries: [za.rs-online.com/web/](http://za.rs-online.com/web/)

## Rubicon powers up Eastern Cape windfarm with a revolutionary off-grid containerised BESS solution

A wind farm in Oyster Bay, Eastern Cape, needed an off-grid solution for its site office to reduce its reliance on a diesel generator for power supply. Rubicon supplied a battery energy storage system (BESS) container which includes the first 50kW Solis inverters to be installed in parallel worldwide.

### The client's challenge

The operations at the site have relied on a diesel generator for power supply. This approach was costly and environmentally unfriendly. Challenges of diesel dependency include:

- High costs: Diesel prices can be volatile, leading to unpredictable operational costs.
- Environmental impact: Diesel combustion emits greenhouse gases and pollutants associated with environmental degradation.
- Complex logistics: Depending on diesel requires frequent refuelling and related transport logistics. This can become impractical and costly.
- Noise and maintenance: Diesel generators are noisy and require regular maintenance, impacting the work environment and operational uptime.

### The client's requirements

The client needed a solution that allowed them to move away from relying on their diesel generator for power. The solution needed to be scalable from 50kW to 100kW to cater for a potential increase in their power consumption needs. In addition, the client wanted a spare inverter for redundancy.

### The solution

- Rubicon supplied a containerised BESS solution consisting of:
- A customised 20ft container to house the BESS solution.
- 190kWh of WeCo battery storage consisting of 36 x 5k3 batteries.
- Three 50kW Solis hybrid inverters with a 10-year extended warranty.
- The container is insulated and contains two Wi-Fi enabled air conditioning units to regulate battery temperature.
- Stat-X Aerosol Fire Suppression was installed for enhanced safety.

The three 50kW Solis inverters used for this project were the first in the world to be installed in parallel. The Solis inverters are smaller and more compact than the large battery inverters traditionally used in our BESS containers.

The BESS solution was integrated with



The BESS container.

existing infrastructure, namely:

The existing generator to provide backup power during periods of low renewable energy due to unfavourable weather.

A 110kW PV system which was already installed on site.

### The results

The client was impressed by Solis' user-friendly interface which allows for complete monitoring of the system. Since the solution was installed, the client has significantly reduced their diesel usage and only intend using the generators during severe weather conditions.

By implementing the BESS solution, the client can transition towards a more sustainable and cost-effective energy model. This initiative not only addresses immediate operational challenges but also contributes positively to environmental stewardship and long-term financial viability.

Rubicon's tailored solar PV and battery storage solutions for the commercial market reduce costs and save money. Our containerised BESS offers plug-and-play functionality, and is pre-commissioned to save time on site.

Enquiries: [www.rubicon.tech](http://www.rubicon.tech)



## Aurora Lighting Africa pioneering high efficiency LED solutions with a focus on lumens not wattage

As businesses increasingly prioritise energy efficiency and sustainability, Aurora Lighting Africa is once again leading the way in the lighting industry.

The company's latest product launch introduces a new range of high-efficiency LED Flat Panels, LED Highbays, and LED Anti-Corrosive luminaires. These products are more than just additions to Aurora's extensive portfolio—they represent a significant shift in how lighting performance is measured and valued, placing the emphasis on lumen output rather than wattage.

### From wattage to lumen output

For years, the lighting industry has operated under the assumption that higher wattage equates to better lighting. However, with the rise of high efficacy LED technology, this notion has been fundamentally challenged. Aurora Lighting Africa is at the forefront of this shift, redirecting the focus from wattage—a measure of energy consumption—to lumen output, which quantifies the amount of light produced. This change is crucial as it highlights the importance of light output over energy consumption as the metric by which lighting specifications are defined. This aligns with global trends toward more sustainable and energy-efficient solutions.

Aurora's new LED Flat Panels, LED Highbays, and LED Anti-Corrosive luminaires embody this philosophy. These products are engineered to deliver exceptional light output while consuming significantly less energy than traditional lighting solutions. By emphasising lumens per watt, Aurora ensures that businesses can achieve their desired lighting levels with far less energy consumption, resulting

in considerable cost savings and a reduced environmental impact.

### Tailored for diverse applications

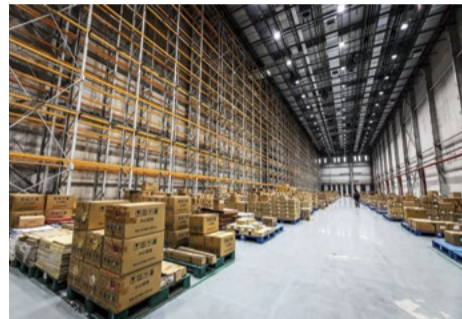
A key feature of Aurora Lighting Africa's new range is its versatility, making these high-efficiency luminaires ideal for various applications, particularly in commercial and industrial settings.

In commercial spaces, such as offices, conference rooms, and educational facilities, the LED Flat Panels provide both functional and aesthetic benefits. These luminaires offer consistent, glare-free lighting that enhances productivity and reduces eye strain, all while maintaining a sleek and contemporary design that complements modern architectural styles. Whether illuminating open office spaces or enhancing the visibility in classrooms and meeting rooms, these LED solutions ensure an optimal lighting environment that supports the needs of any commercial setting.

For industrial environments, where performance and durability are critical, the LED Highbays and LED Anti-Corrosive luminaires stand out. Designed to endure the demands of harsh environments, these luminaires deliver high lumen output, ensuring safety and visibility in large spaces such as warehouses, manufacturing plants, basement parking areas and distribution centres. The robust construction and long lifespan of the LED Highbays make them an excellent choice for industrial applications where reliable, high-performance lighting is essential.

### Commitment to innovation and sustainability

Aurora Lighting Africa's commitment to innovation is evident in the advanced technology that drives these new products. By incorporating the latest



LED advancements, the company offers luminaires that not only meet, but surpass, industry standards for energy efficiency and performance. This dedication to continuous improvement and sustainability is why Aurora remains a trusted partner for businesses across the continent.

"The launch of these high-efficiency luminaires aligns with global efforts to reduce energy consumption and combat climate change", said Scylagh Clunnie (MD of Aurora Africa) at the launch of the new catalogue.

By providing solutions that deliver more light with less power, Aurora Lighting Africa is helping businesses achieve their sustainability goals while enhancing operational efficiency.

Enquiries: [www.auroralighting.co.za](http://www.auroralighting.co.za)

## Innovative street lighting solutions from Tridonic



Street lighting is an essential component of urban infrastructure, providing safety and security for residents after sunset.

Traditional street lighting systems, which have been in use for many years, primarily rely on fixed, often high-intensity single-colour light (typically amber or white). However, the advent of Light Emitting Diodes (LEDs), now the preferred technology for street lighting, has introduced more flexible solutions, including options to adjust brightness (dimming) and colour temperature (CCT).

In South Africa, the dimming of street lights remains a topic of debate due to the country's security concerns, despite the significant energy savings that dimming offers. Changing the colour appearance—such as shifting between cool white and warm white—is a well-established concept in indoor lighting, known as 'Tunable White'. However, Tunable White is a relatively new concept in street lighting.

The dynamic adaptation of light colour allows the illumination of entire streets and cities to align with the natural circadian rhythm. Warm-white, dimmed light is ideal for early morning and late evening, helping to mitigate the effects of light pollution in urban areas.

Away from busy streets and pathways, smart ambient light control can further reduce light pollution and its detrimental effects on nature and wildlife. Dynamic adjustments to warmer colour temperatures during quieter periods lessen the impact of artificial light on the environment.

The new Tridonic multichannel LED drivers enable users to create high-quality outdoor lighting solutions for various applications. These LED drivers provide superior dynamic outdoor lighting with Tunable White (DT8-Tc) or dynamic light distribution (DT6) from a single driver. The multichannel LED drivers combine the features of two drivers into one, offering increased functionality at a lower cost, while requiring less space and reducing complexity. Variable zone lighting and dynamic lighting now help to improve the environmental impact of night-time lighting, while also reducing energy consumption through on-demand lighting.

### Key Features

- Available in 40W, 80W, and 120W options
- Dimming range from 1% to 100% (minimum 2mA)
- Output current adjustable between 200mA and 1,050mA
- Low standby input power (<0.3W)
- Supports chronoSTEP+, sensorMODE, and basicDIM Wireless functions

Enquiries: [www.tridonic.com](http://www.tridonic.com)

## George Municipality ready to light up the streets with smart technology

The George Municipality in the Western Cape has been conducting a pilot project to test a new smart energy-saving technological system on the city's streetlights since June. The Smart Lights initiative aims to replace existing lights with technology that can monitor their status and adjust brightness during times of low traffic, adding to the efficiency of already installed LED lights.

The Municipality has partnered with one of South Africa's leading lighting suppliers, Beka Schröder, which is sponsoring the software, setup, and configuration for this trial period.

According to Daniel Greeff, Deputy Director of George Municipality's Electrotechnical Services Department, this project is set to transform the city's lighting infrastructure, making George a model of technological advancement and sustainable urban living.

"The benefits of the smart lighting project extend beyond technical efficiency. The project aims to enhance George's residents' safety, comfort, and well-being by reducing lighting failures and optimising resource use. This advanced system will also foster community pride as citizens experience the tangible

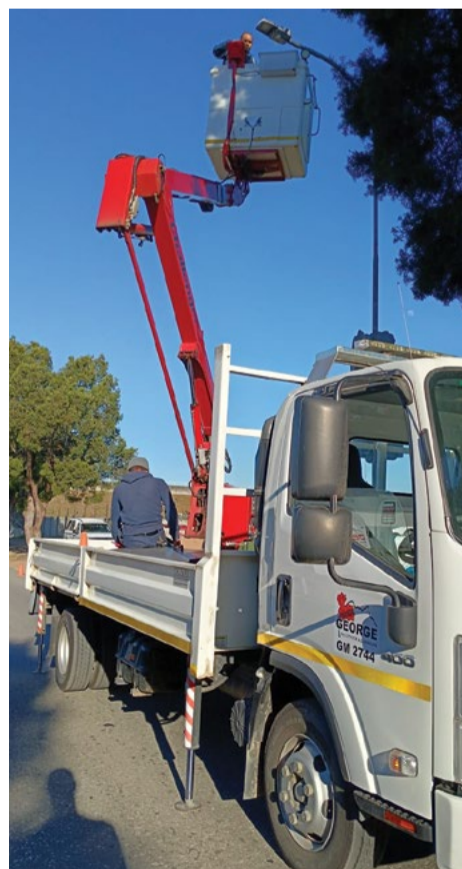
benefits of living in a forward-thinking, well-managed city," said Greeff.

A key feature of this system is its commitment to open standards and protocols, avoiding the pitfalls of proprietary systems that can lead to vendor lock-in. This open, interoperable platform can integrate seamlessly with existing and third-party systems and devices, promoting innovation and flexibility. By aligning with global standardisation alliances, the lighting supplier ensures that George's smart lighting infrastructure is future-proof and capable of evolving with technological advancements.

George Municipality is dedicated to enhancing the quality of life for its residents through sustainable and innovative urban development. This smart lighting pilot project is a testament to George's commitment to being at the forefront of technological implementation and excellence.

"Should this pilot project yield the desired outcome, and feasibility and assist in increasing service delivery, the Municipality may roll it out to the main roads and possibly other areas," Greeff concluded.

Enquiries: [www.george.gov.za](http://www.george.gov.za)



Municipal workers busy with the initial phase of the energy-saving Smart Lighting Pilot aiming to transform the city's lighting infrastructure.



## Embracing the future of vintage lighting: LED Filaments take centre stage

As the allure of Carbon Filament light bulbs continues to captivate the world of decorative lighting, a new contender has emerged, promising to take this vintage aesthetic to the next level. Enter LED Filament bulbs—an innovative fusion of classic design and modern technology that is quickly becoming the must-have choice for those who seek both style and efficiency in their lighting solutions.

The recent new South African legislation governing the distribution of lightbulbs spells the end for Carbon Filaments, which don't meet the minimum efficiency of 90lumens per watt. However LED Filaments are set to replace Carbon Filaments, offering the same warm, ambient glow that has made vintage lighting so popular, but with significantly enhanced performance and energy efficiency. For those who appreciate the nostalgic charm of exposed filaments but are looking for a more sustainable eco-conscious option, LED Filaments are the perfect solution.

One of the standout features of LED Filament bulbs is their impressive lumen-per-watt efficiency. Unlike traditional Carbon Filaments, which are known for their low light output, LED Filaments provide a much higher level of brightness while using significantly less energy. This means you can enjoy the soft, warm light that defines vintage aesthetics without compromising on energy efficiency.

In addition to their economic benefits, LED Filament bulbs also boast a longer lifespan. While Carbon Filaments typically offer around 3,000 hours of light, LED Filaments can last up to 15,000 hours or more, reducing the need for frequent replacements and further contributing to their cost-effectiveness.

Eurolux Lighting's range of LED Filament

bulbs comes in a variety of shapes and filament designs, ensuring that there's a perfect match for every style. From the classic pear and tubular shapes to intricate tapered candles in warm and cool whites and beautiful ambers, these bulbs are designed to be as visually stunning as they are functional.

These bulbs are more than just light sources—they're design elements in their own right. With LED Filaments, you can achieve the same vintage look and feel but with the added benefits of modern lighting technology. It's the best of both worlds. Added to which, dimmable options allow you to adjust the light output to create the perfect ambiance for any setting. Whether you're looking to enhance the cozy atmosphere of a restaurant, add a touch of elegance to a hotel lobby, or simply create a warm and inviting space in your home, LED Filaments offer unparalleled versatility.

As we move towards a more sustainable future, the shift from Carbon Filament to LED Filament bulbs represents a significant step forward in lighting technology. Not only do these bulbs preserve the vintage aesthetic that so many designers and homeowners love, but they also align with modern energy-saving practices.

In conclusion, LED Filament bulbs are not just a replacement for Carbon Filaments—they're an upgrade. By combining the timeless beauty of vintage lighting with the efficiency and longevity of LEDs, they offer a lighting solution that meets the demands of today's discerning consumers. So why not make the switch and experience the latest in vintage lighting for yourself? With LED Filament bulbs, you can enjoy the best of both worlds: ambiance and economy.

Enquiries: [www.eurolux.co.za](http://www.eurolux.co.za)



LED Filament bulbs are not just a replacement for Carbon Filaments—they're an upgrade.



LED Filament bulbs boast a longer lifespan.



LED Filament bulbs are compatible with dimmers, allowing you to adjust the light output to create the perfect ambiance for any setting.

## LED streetlighting solution for newly upgraded Moloto Road

The Moloto Road Rehabilitation Project is the upgrade of the R573, a regional route in South Africa which stretches over 160km, connecting Pretoria to Mpumalanga and Limpopo provinces. The road was dubbed "Moloto Road" as it passes through Moloto, located at the Gauteng-Mpumalanga border.

The notorious Moloto Road is one of the country's most dangerous roads, prompting this highly necessary upgrade.

The project included widening the road into two lanes, the erection of concrete barriers separating the opposing lanes to prevent overtaking and conversion of intersections into roundabouts to ease traffic flow. Cattle-creeperes have been constructed, ensuring a safe passage for livestock, removing them from the actual road.

The issue of poor visibility attributed to the high number of pedestrians hit on the road has been addressed with the erection of highmast lighting and streetlighting.

BEKA Schröder, Africa's leading manufacturer of luminaires, has supplied the lighting solution for Moloto Road from Slovo to Siyabuswa. The luminaires have been designed and manufactured in South Africa, taking the continent's harsh environmental conditions into account.

### Highmast lighting solution

BEKA Schröder's high-performance LED floodlights have been installed on highmasts, illuminating traffic circles. Refer here to our floodlight range.

BEKA Schröder's floodlight range has been designed to provide an

unrivalled combination of performance and flexibility for lighting areas where high lumen packages are needed while offering maximum savings in energy and maintenance costs with a short payback time. The luminaires provide the light distribution and lumen package needed to meet the specifications of the area to be lit.

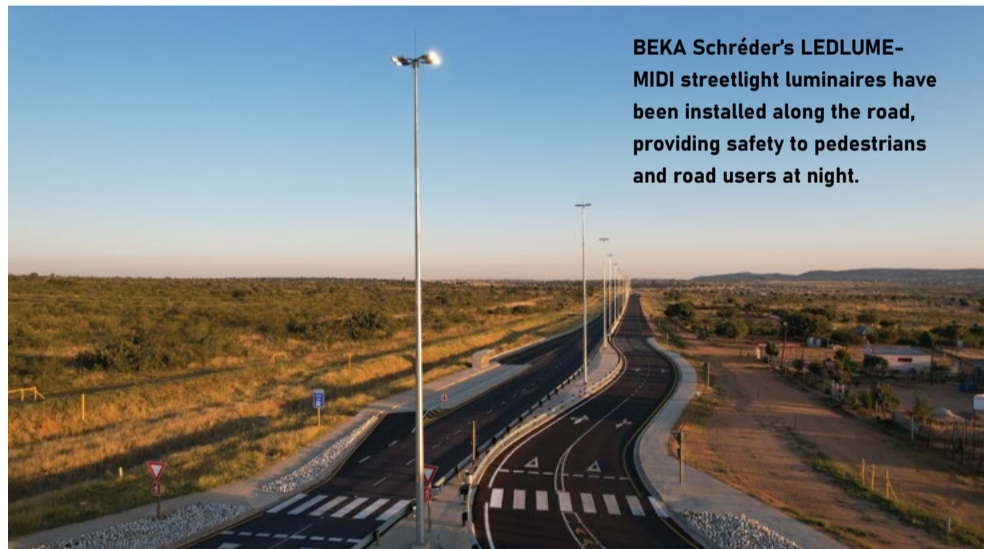
Optimal lighting is guaranteed to ensure safety and comfort. It offers a real alternative to luminaires equipped with traditional sources, with the added advantages of an LED solution: low energy consumption, improved visibility with white light, limited maintenance, and longer life.

### Streetlighting solution

BEKA Schröder's LEDLUME-MIDI streetlight luminaires have been installed along the road, providing safety to pedestrians and road users at night.

The LEDLUME has been designed and manufactured in South Africa, taking the continent's harsh environmental conditions into account. The LEDLUME range offers optimised photometrical performance with a minimum total cost of ownership. It provides customers with the ideal tool to generate energy savings, improve lighting levels and reduce maintenance costs.

The great variety of high-performance optics optimises the photometric distribution for each specific application to achieve minimum energy consumption. The LEDLUME range offers flexible combinations of LED modules, a choice of currents and dimming options to further



BEKA Schröder's LEDLUME-MIDI streetlight luminaires have been installed along the road, providing safety to pedestrians and road users at night.



BEKA Schröder's high-performance LED floodlights have been installed on highmasts, illuminating traffic circles.

maximise energy savings and provide the most cost-effective solution.

### Locally manufactured

BEKA Schröder develops and manufactures

energy-efficient LED lighting products in South Africa, designed and suitable for local conditions.

Enquiries: [northern@beka-schreder.co.za](mailto:northern@beka-schreder.co.za)



## Med-TechEngineers launches academy to address critical skills shortage

Gauteng-based consulting engineering firm Med-TechEngineers has officially launched the Engineering and Technology Academy to address the shortage of critical and unique skills needed in the engineering and technology sectors.

For the past 15 years, Med-TechEngineers has been at the forefront of the engineering and technology sector, guided by a steadfast policy emphasising the importance of balancing fieldwork with academic rigour.

Dr Gift Mphefu, Managing Director of Med-TechEngineers explains: "Our track record includes the successful execution of complex infrastructure projects across various engineering disciplines. However, we recognise that each project presents unique challenges, often necessitating specialised skill sets that are both highly technical and practical. We identified a gap in the market for training individuals to meet these specific needs, which led us to establish the Med-

TechEngineers Academy."

Med-TechEngineers' team comprises seasoned Engineers, Technologists, Technicians, Artisans, and IT professionals actively engaged in the industry. Mphefu notes: "By leveraging this wealth of expertise, launching the Med-TechEngineers Academy was a natural progression. We aim to empower and capacitate individuals, ensuring they are well-equipped for the demands of the field."

Targeting professional individuals involved in the information and communications technologies, engineering, construction, and maintenance sectors, the academy will equip students with practical skills required for



**Dr Gift Mphefu, Managing Director of Med-TechEngineers.**

planning, design, construction, operation, maintenance and decommissioning of infrastructure projects across various sectors.

Further, as South Africa continues to grapple with high unemployment rates, the academy is also dedicated to the non-professional labour force that is essential in the execution of infrastructure projects. "Our goal is to develop their technical competence in line with their job profiles, as well as to ensure that these individuals receive relevant certifications that are usually the gatekeeper in many of the opportunities presented within the industry," Mphefu says.

Students who complete courses through the Med-TechEngineers Academy will gain industry certifications crucial for career advancement and employment retention, with an emphasis on real-world applicability. Some of the courses on offer from the Med-TechEngineers Academy include a five-day Solar PV Greencard Training course endorsed by the South African Photovoltaic Association (SAPVIA), where candidates are trained in basic principles of Solar PV design and installations.

Participants will receive a certificate after the training is completed.

Enquiries: [www.med-techengineers.co.za](http://www.med-techengineers.co.za)

#### OCTOBER 2024 FEATURES

- MCCs and motor protection
- Energy measurement and supply
- Lighting

#### NOVEMBER 2024 FEATURES

- Standby and emergency power
- Energy efficiency
- Lighting

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 Total 14 865 per month.

**VS LIGHTING SOLUTIONS**

WE THINK **LIGHT** FOR YOU

# DISCOVER THE WORLD OF Blu2Light



Experience a new world of lighting management

**Blu2Light**

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Tel.-No : +27 (0)79 459 8400  
eMail : [sales@vsaf.co.za](mailto:sales@vsaf.co.za)

154, Lechwe Avenue,  
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Midrand 1685  
South Africa

# AURORA<sup>®</sup>

A F R I C A



**Lighting Solutions**  
Edition One

**AURORA**<sup>®</sup>  
A F R I C A



## The Aurora Africa Journey

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Taking its name from nature's most spectacular light show, Aurora Borealis, Aurora Lighting Africa is a leading LED lighting and technology organisation.

Aurora Lighting Africa specialises in the design, manufacture and distribution of innovative energy saving solutions for projects, trade and OEM/ODM covering the entire African continent.

We believe in lighting that promotes good health, productivity, safety and comfort, with a focus on energy efficiency to minimise every users impact on the environment.

[auroralighting.co.za](http://auroralighting.co.za)

## At the Forefront of Lighting & Technology

At the core of our process is over 25 years of knowledge and experience, which has enabled Aurora Lighting Africa to provide personalised lighting solutions for many renowned global brands.

With an entrepreneurial spirit and passion for inspirational lighting, we are at the forefront in the development of bespoke energy saving lighting solutions servicing Retail, Hospitality, Industrial and Commercial installations.



## Expert Teams & Bespoke Service

With in-house experts, we offer an end to end solution including consultation, lighting design, project management, installation, aftercare and maintenance.

At your request, our involvement is tailored to each customer to provide the best lighting solutions for each space.










## In-House Manufacturing, Sales & Distribution

Manufacturing is at the heart of our capabilities, offering decades of experience and full compliance to ISO 9001 and ISO 14001 quality standards.
























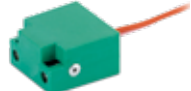









Aurora's compliance team ensures adherence to latest legislations and standards, providing representation on lighting industry bodies.



# Lighting Solutions

Downlighting	Downlighting	Lamps	Panels	Linears
 Lumi-Fit+™ 11	 CurveE™ 27	 ICE™ Lamp™ 47	 CyaLux™ 600x600mm 61	 LinearPac+™ 67
 Neeva™ 13	 EDLM™ 29	 ICE™ LampPro™ 49	 CyaLux™ 1200x600mm 61	 Lumi-Line™ 69
 Aura™ 15	<b>Track &amp; Pendant</b>		 BackLite+™ 600x600mm 63	 InterLED™ 71
 Uni-Fit™ 17	 Zenith™ 33	 Emergency A60™ 53	 BackLite+™ 1200x600mm 63	 BatPac™ 73
 PavoCWS™ 19	 Ray™ 35	 Eco™ 55	 BackLite+™ 1200x300mm 63	 Hydro-Link™ 75
 Poly-Slim™ 21	 Arcus+™ 37	 Candle & Golf Ball 57		
 Reflector-Fit™ 23	 Trac™ 39			
 Retail Spot™ 25	 Halo™ 43			

Product Finder

Highbay	Wall Lighting	Strip Lighting	Emergency	Power
 Cosmos+™ 79	 Walle ProMax™ 93	 24V COB ECO 104-105	 3.5W EM Downlight™ 122	 24V/48V Non-Dimmable 128
 Reflectors 79	 Comet™ 95	 24V COB PRO 106-107	 6W EM Downlight™ 123	 24V Non-Dimmable 129
 60° & 90° Lenses 79	<b>Flood Lighting</b>		 24V COB CX & RGBW 108-109	 Ceiling / Wall Mount 124
 Microwave Sensor 79	 Sol™ 99	 24V RGB & RGBCX 110-111	 Recessed Mount 124	 24V/48V IP67 Non-Dim/Dim 130
<b>Bulkheads</b>		 Nebula™ 101	 24V High Efficiency 112-113	<b>Control</b>
 HerculesCS™ 83		 48V Ultra Long 114-115	 Suspension Mount 124	 Intellibus 350W Bell Press 131
 TitanCS™ 85		 24V Low Wattage 116	 Track Mount 124	 Shuttle Bell Press 131
 Utilite™ 87-89		 24V Eco 117-118	 2W EM Track Light 125	 Shuttle 0-10V Dimmer 131
			 5A Cord Set 131	

# CUSTOMER SERVICES

## Lighting Design

### Focused on Function

Aurora Lighting Africa's expert lighting designers work alongside our experienced sales team to maximise the positive impact of lighting quality and energy savings within any project. For more information please contact your local sales office.

Aurora Africa has a dedicated team of professional lighting designers who are experienced in getting the best results for your space, whilst maximising the positive impact of lighting within any project.

We also have a team focused on smart solutions, ready to help supply the most stable and effective setup, maximising both quality of light and energy savings.

Our team offer energy audit services where we can identify ways to reduce your business' carbon footprint.



## Installation & Maintenance

### Your Lighting, Your Way

When you purchase a lighting and-or control solution from Aurora Lighting Africa, you can also opt to have our team install and commission the products on site. If you opt for this solution, we then have the ability to project manage with you directly throughout the whole process.

Whilst we pride ourselves on our simplistic user interfaces across our smart technologies, we are always willing to provide one of our smart technology experts to visit and help set your solution up correctly to meet your brief. Our install and maintenance team will ensure that new product packaging and any old light fixtures/materials removed during install are recycled, further minimising environmental impacts.

Following initial contact with Aurora Lighting Africa, it may be advantageous to have one of our skilled and experienced team attend your site to best understand the solutions we can offer.

## Product Development

### The Right Products at the Right Time

Product development has always been a key strength for the Aurora Lighting Africa. This extends to our Projects division, where we have over 25 years of experience in manufacturing and procuring the right products for our customers.

This includes our core ranges and smart solutions seen in this brochure, as well as bespoke items to ensure you are happy with the installation results.

Our skilled design teams across the globe are capable of providing rapid prototypes for bespoke requirements.

Our dedicated compliance team review every product to ensure that we always meet regulations and can supply the correct documentation.



## Tailored Finance

We Offer Funded Solutions

### Zero Capital Cost\* | Cash Positive from Day 1\* | Finance Available

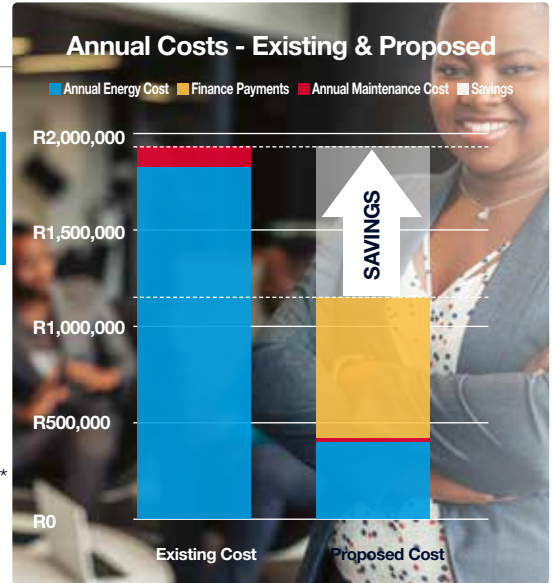
A tailored solution still has to be paid for, so why not take up our finance offer to spread the cost? Coupled with energy savings from replacing less efficient lights, this will often see you being cash positive from day 1!

We offer zero capital investment, with a tailored finance solution to allow you to preserve your capital. Deliver all the benefits to your business immediately and pay whilst you save! Our hire purchase solution offers all the benefits of ownership without the initial capital outlay.

Pay as you Save. Fixed repayments can act as a hedge against inflation and rising interest rates. Contact us today to find out more.\*\*

\*Subject to level of savings, credit underwriting and approval

\*\*For business customers, limited companies and corporate customers only. Terms and conditions apply



# YOUR AFRICAN PARTNER

### Servicing:

South Africa, Botswana, Cameroon, DRC, Egypt, Ethiopia, Gabone, Ghana, Kenya, Lesotho, Mauritius, Mozambique, Namibia, Nigeria, Rwanda, Swaziland, Tanzania, Zambia & Zimbabwe.



## The Focus On You

Offering More Than Just Great Lighting

We have invested in the future and technology as we see the added value in utilising the lighting infrastructure to provide more than just quality lighting. Get in touch to find out how we can support you in your smart lighting journey, unlocking these benefits for your business.

- Energy and cost saving calculations for smart solutions
- On-site retail focusing prior to store openings
- Smart control systems commissioning support
- Fully compliant to ISO 9001 and ISO 14001 quality standards in South Africa manufacturing and production facilities

# VERTICALS

COMMERCIAL



## Commercial

offices | hospitals | education

In order to deliver on energy targets, enhance work environments, meet customer and employee expectations, Aurora Lighting Africa offer tailored lighting solutions for any requirement, enveloped within a service, offering full support from consultation to aftercare.

OPTIMISED  
INTEGRATION

INDUSTRIAL



## Industrial

warehousing | manufacture | fabrication

At Aurora Lighting Africa, we understand that every building is unique and we offer a range of solutions designed to generate the best light output and distribution appropriate for each area.

HOSPITALITY



TARGETED  
EFFICIENCY

## Hospitality

clubs | hotels | restaurants

To create mood and ambience for a relaxed, comfortable environment with a high-end look and feel, Aurora Lighting Africa use their extensive experience to specify the best solutions.

RETAIL



## Retail

big box brands | stores | shops

Highlighting a retail brand's products, service and experience through lighting is essential, engaging potential retail customers, creating a comfortable shopping experience and showcasing signature elements of any brand.

# DOWNLIGHTING

DISTINCTIVE DESIGNS,  
**SUPERIOR EFFECTS**





**NEW**



Lumi-Fit+™

11

**NEW**



Neeva™

13

**NEW**



Aura™

15



Uni-Fit™

17



PavoCWS™

19



Poly-Slim™

21

**NEW**



Reflector-Fit™

23



Retail Spot™

25

**NEW**



CurveE™

27



Edlm™

29

**DOWNLIGHTING**

## Wattage Selectable High Efficiency Recessed LED Downlights

Designed for a variety of applications, ideal for retrofit solutions with a wide range of cutouts available

### Delivering up to 140lm/W

Up to 100° beam angle

Lifetime not affected by frequent switching e.g. when using occupancy controls

Plug and play remote driver for easy installation

Low profile fixture, ideal for installations with limited ceiling void depths

Opal diffuser to reduce glare and for even light distribution

1.5kV surge protection

Lumi-Fit+™ **NEW**

**HIGH EFFICIENCY**

**PLUG + PLAY**

10° EYE COMPLIANT • CAN BE USED TO ACHIEVE UGR 19



Opal diffuser for even light distribution and to reduce glare

**WATTAGE SELECTABLE**

### 3000K

#### Wattage selectable

6W	760lm
8W	1000lm
10W	1300lm
12W	1550lm
14W	1800lm

### 4000K

#### Wattage selectable

6W	800lm
8W	1000lm
10W	1350lm
12W	1600lm
14W	1900lm

#### AA-DLHWS4-30 (4")

9W	1150lm
11W	1450lm
14W	1900lm
17W	2300lm
22W	2950lm

#### AA-DLHWS4-40 (4")

9W	1200lm
11W	1550lm
14W	2000lm
17W	2400lm
22W	3100lm

#### AA-DLHWS6-30 (6")

14W	2000lm
18W	2550lm
22W	3100lm
26W	3650lm
30W	4200lm

#### AA-DLHWS6-40 (6")

14W	2100lm
18W	2700lm
22W	3250lm
26W	3800lm
30W	4400lm

#### AA-DLHWS8-30 (8")

26W	3600lm
30W	4100lm
33W	4400lm
36W	4900lm
38W	5200lm

#### AA-DLHWS8-40 (8")

26W	3700lm
30W	4200lm
33W	4500lm
36W	5100lm
38W	5400lm

#### AA-DLHWS10-30 (10") AA-DLHWS10-40 (10")



Shown with AA-DLA6 surface mount accessory



Side profile

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK04
IP Rating	IP54
Warranty	5 Years

# Wattage Selectable High Efficiency Recessed LED Downlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>4"</b>					
<b>AA-DLHWS4-30</b>	6W / 8W / 10W / 12W / 14W	up to 125	760lm - 1800lm	3000K	90°
<b>AA-DLHWS4-40</b>	6W / 8W / 10W / 12W / 14W	up to 130	800lm - 1900lm	4000K	90°
<b>6"</b>					
<b>AA-DLHWS6-30</b>	9W / 11W / 14W / 17W / 22W	up to 130	1150lm - 2950lm	3000K	90°
<b>AA-DLHWS6-40</b>	9W / 11W / 14W / 17W / 22W	up to 140	1200lm - 3100lm	4000K	90°
<b>8"</b>					
<b>AA-DLHWS8-30</b>	14W / 18W / 22W / 26W / 30W	up to 130	2000lm - 4200lm	3000K	90°
<b>AA-DLHWS8-40</b>	14W / 18W / 22W / 26W / 30W	up to 140	2100lm - 4400lm	4000K	90°
<b>10"</b>					
<b>AA-DLHWS10-30</b>	26W / 30W / 33W / 36W / 38W	up to 130	3600lm - 5200lm	3000K	100°
<b>AA-DLHWS10-40</b>	26W / 30W / 33W / 36W / 38W	up to 140	3700lm - 5400lm	4000K	100°

Colour :

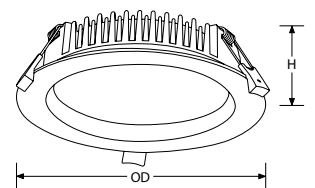
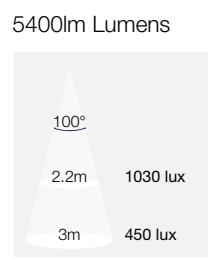
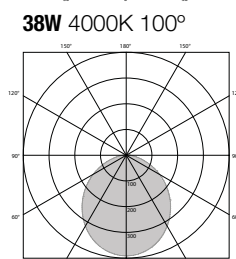
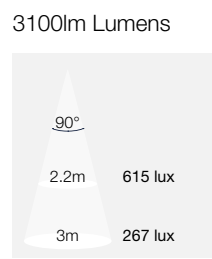
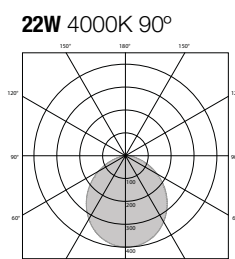
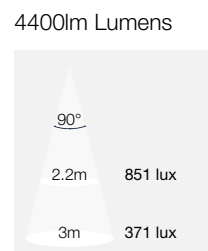
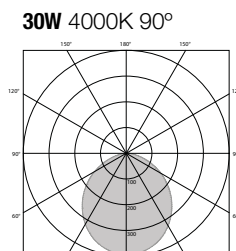
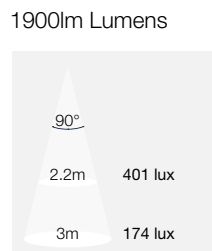
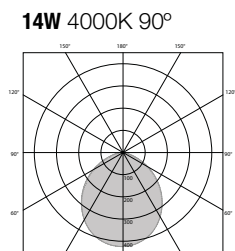


White

Triac, Dali, 1-10V dimmable & EM options available, contact sales office for more information

## Accessories

<b>AA-DLA4</b>	4" Surface mount accessory
<b>AA-DLA6</b>	6" Surface mount accessory
<b>AA-DLA8</b>	8" Surface mount accessory



**AA-DLHWS4 (4")**  
 (H) 53mm Height  
 (OD) 145mm Overall (Ø)  
 (CO) 120-130mm Cutout (Ø)

**AA-DLHWS6 (6")**  
 (H) 53mm Height  
 (OD) 190mm Overall (Ø)  
 (CO) 160-170mm Cutout (Ø)

**AA-DLHWS8 (8")**  
 (H) 53mm Height  
 (OD) 228mm Overall (Ø)  
 (CO) 200-210mm Cutout (Ø)

**AA-DLHWS10 (10")**  
 (H) 53mm Height  
 (OD) 280mm Overall (Ø)  
 (CO) 230-260mm Cutout (Ø)

## High Performance Aluminium Baffled LED Downlight

ThermoTec™ heat management technology

Designed for a variety of applications, ideal for retrofit solutions with a wide range of cutouts available

### Delivering up to 120lm/W

90° beam angle

Pre-wired with plug and play DC male & female connectors for easy installation

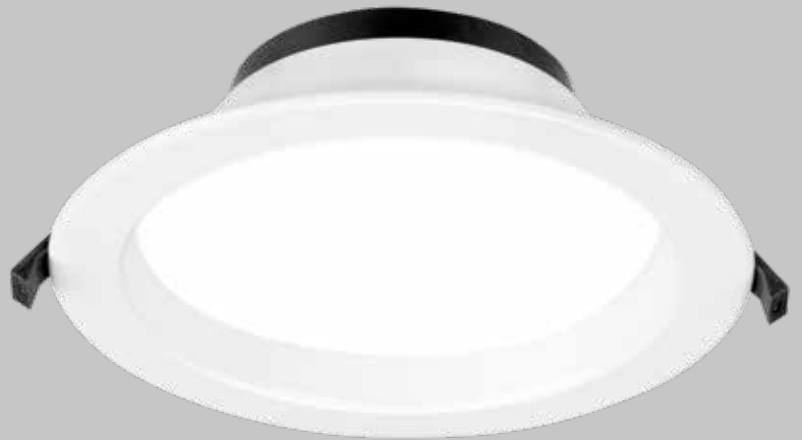
Opal diffuser to reduce glare and for even light distribution

Low profile fixture, ideal for installations with limited ceiling void depths

Neeva™ **NEW**

**HIGH EFFICIENCY**

**PLUG + PLAY**



Opal diffuser for even light distribution and to reduce glare



Shown with AA-DLA6 surface mount accessory



Side profile

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK07
IP Rating	IP20
Warranty	5 Years

# High Performance Aluminium Baffled LED Downlight

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
AA-DLH410-30	10W	120	1200lm	3000K	90°
AA-DLH410-40	10W	120	1200lm	4000K	90°
AA-DLH614-30	14W	120	1680lm	3000K	90°
AA-DLH614-40	14W	120	1680lm	4000K	90°
AA-DLH718-30	18W	120	2160lm	3000K	90°
AA-DLH718-40	18W	120	2160lm	4000K	90°
AA-DLH820-30	20W	120	2400lm	3000K	90°
AA-DLH820-40	20W	120	2400lm	4000K	90°
AA-DLH930-30	30W	120	3600lm	3000K	90°
AA-DLH930-40	30W	120	3600lm	4000K	90°

Colour :



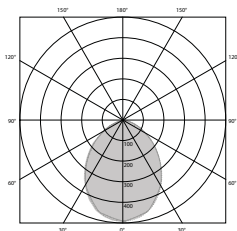
White

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

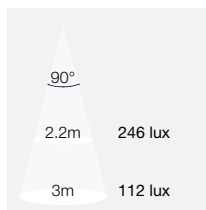
## Accessories

AA-DLA4	4" Surface mount accessory
AA-DLA6	6" Surface mount accessory
AA-DLA8	8" Surface mount accessory

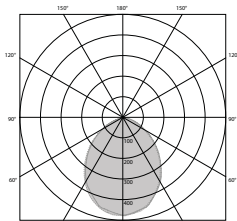
**10W 4000K 90°**



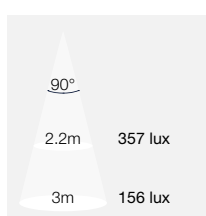
1200lm Lumens



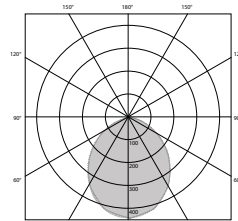
**14W 4000K 90°**



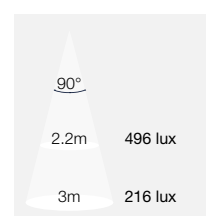
1680lm Lumens



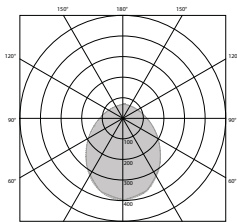
**20W 4000K 90° Beam**



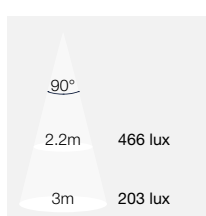
2400lm Lumens



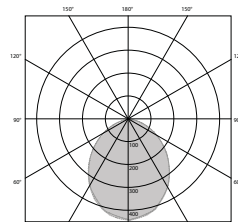
**18W 4000K 90°**



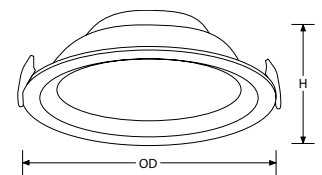
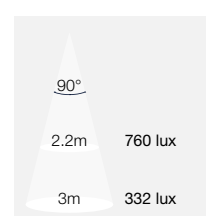
2160lm Lumens



**30W 4000K 90° Beam**



3600lm Lumens



**AA-DLH410**

(H) 57mm Height  
(OD) 113mm Overall (Ø)  
(CO) 90-98mm Cutout (Ø)

**AA-DLH614**

(H) 61mm Height  
(OD) 143mm Overall (Ø)  
(CO) 117-127mm Cutout (Ø)

**AA-DLH718**

(H) 65mm Height  
(OD) 165mm Overall (Ø)  
(CO) 135-145mm Cutout (Ø)

**AA-DLH820**

(H) 68mm Height  
(OD) 200mm Overall (Ø)  
(CO) 168-178mm Cutout (Ø)

**AA-DLH930**

(H) 75mm Height  
(OD) 230mm Overall (Ø)  
(CO) 192-210mm Cutout (Ø)

## Integrated Baffled LED Downlight

ThermoTec™ heat management technology

Delivering up to 94lm/W

90° beam angle

Pre-wired with plug and play DC male and female connectors

Opal diffuser to reduce glare and for even light distribution

Supplied with integrated LED driver

Designed for a variety of applications

Ideal for retrofit with a wide range of cutouts available

Polycarbonate construction

Aura™ **NEW**

**PLUG  
+PLAY**



Opal diffuser for even light distribution and to reduce glare



Front view



Side profile

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Plastic Coated, Aluminium Housing
Lifetime	50000
CRI	80
IK Rating	IK06
IP Rating	IP20
Warranty	3 Years

# Integrated Baffled LED Downlight

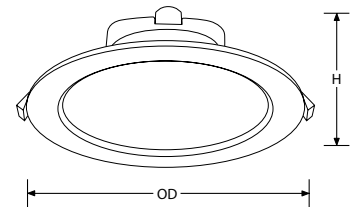
Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>Non-Dimmable</b>					
AA-BDL367-30*	7W	84	590lm	3000K	90°
AA-BDL367-40*	7W	91	640lm	4000K	90°
AA-BDL4410-30*	10W	82	820lm	3000K	90°
AA-BDL4410-40*	10W	90	900lm	4000K	90°
AA-BDL5714-30*	14W	86	1200lm	3000K	90°
AA-BDL5714-40*	14W	93	1300lm	4000K	90°
AA-BDL6817-30*	17W	88	1500lm	3000K	90°
AA-BDL6817-40*	17W	94	1600lm	4000K	90°
AA-BDL9625-30*	25W	89	2230lm	3000K	90°
AA-BDL9625-40*	25W	94	2350lm	4000K	90°
<b>Dimmable</b>					
AA-BDDL367-30*	7W	77	540lm	3000K	90°
AA-BDDL367-40*	7W	84	590lm	4000K	90°
AA-BDDL4410-30*	10W	70	700lm	3000K	90°
AA-BDDL4410-40*	10W	75	750lm	4000K	90°
AA-BDDL5714-30*	14W	86	1200lm	3000K	90°
AA-BDDL5714-40*	14W	93	1300lm	4000K	90°
AA-BDDL6817-30*	17W	88	1500lm	3000K	90°
AA-BDDL6817-40*	17W	94	1600lm	4000K	90°
AA-BDDL9625-30*	25W	89	2230lm	3000K	90°
AA-BDDL9625-40*	25W	94	2350lm	4000K	90°

\*Add suffix **W** or **BLK** for White or Black finish

Colour options:



Black White



**AA-BDL367**

(H) 64mm Height  
(OD) 92mm Overall (Ø)  
(CO) 68-80mm Cutout (Ø)

**AA-BDL4410**

(H) 73mm Height  
(OD) 113mm Overall (Ø)  
(CO) 90-102mm Cutout (Ø)

**AA-BDL5714**

(H) 75mm Height  
(OD) 145mm Overall (Ø)  
(CO) 120-130mm Cutout (Ø)

**AA-BDL6817**

(H) 79mm Height  
(OD) 174mm Overall (Ø)  
(CO) 145-155mm Cutout (Ø)

**AA-BDL9625**

(H) 95mm Height  
(OD) 244mm Overall (Ø)  
(CO) 195-210mm Cutout (Ø)

**AA-BDDL367**

(H) 63mm Height  
(OD) 92mm Overall (Ø)  
(CO) 68-80mm Cutout (Ø)

**AA-BDDL4410**

(H) 74mm Height  
(OD) 113mm Overall (Ø)  
(CO) 90-102mm Cutout (Ø)

**AA-BDDL5714**

(H) 75mm Height  
(OD) 145mm Overall (Ø)  
(CO) 120-130mm Cutout (Ø)

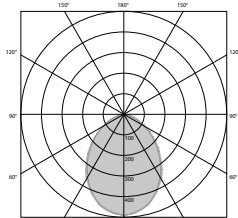
**AA-BDDL6817**

(H) 79mm Height  
(OD) 174mm Overall (Ø)  
(CO) 145-155mm Cutout (Ø)

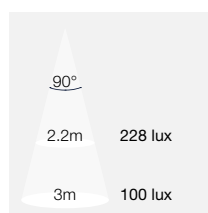
**AA-BDDL9625**

(H) 95mm Height  
(OD) 244mm Overall (Ø)  
(CO) 195-210mm Cutout (Ø)

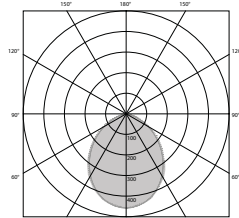
**10W 4000K 90°**



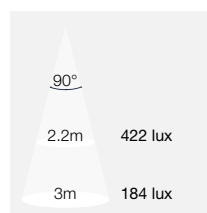
**900lm Lumens**



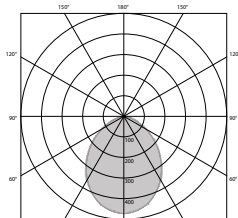
**17W 4000K 90° Beam**



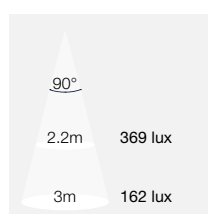
**1600lm Lumens**



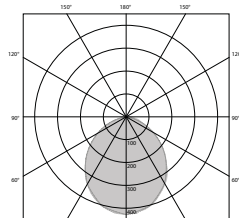
**14W 4000K 90°**



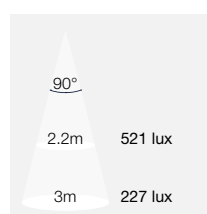
**1300lm Lumens**



**25W 4000K 90° Beam**



**2350lm Lumens**



## Fixed Polycarbonate LED Downlights

ThermoTec™ heat management  
technology

Delivering up to 117lm/W

Pre-wired with 500mm 2 core cable

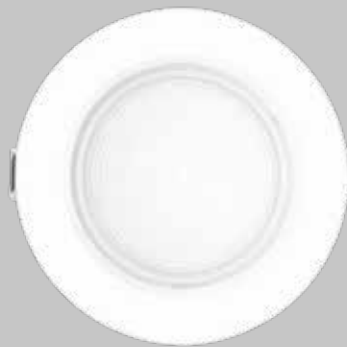
Opal polycarbonate diffuser for even  
light distribution

Supplied with integrated driver

## Uni-Fit™



Opal diffuser for even light distribution and to reduce glare



Front view



Side profile

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	25000
CRI	80
IK Rating	IK03
IP Rating	IP44
Warranty	3 Years

## Fixed Polycarbonate LED Downlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
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### Non-Dimmable

EN-DL10-30	10W	105	1050lm	3000K	100°
EN-DL10-40	10W	115	1150lm	4000K	100°
EN-DL15-30	15W	107	1600lm	3000K	100°
EN-DL15-40	15W	113	1700lm	4000K	100°
EN-DL23-30	23W	108	2500lm	3000K	100°
EN-DL23-40	23W	117	2700lm	4000K	100°
EN-DL30-30	30W	106	3200lm	3000K	100°
EN-DL30-40	30W	115	3450lm	4000K	100°

### Triac Dimmable

EN-DDL10-30	10W	90	900lm	3000K	100°
EN-DDL10-40	10W	96	960lm	4000K	100°
EN-DDL15-40	15W	96	1450lm	4000K	100°
EN-DDL20-40	20W	105	2100lm	4000K	100°
EN-DDL25-40	25W	102	2550lm	4000K	100°

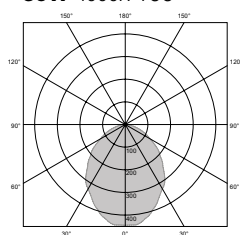
**Black option available as a special order**, contact sales office for more information

Colour options:

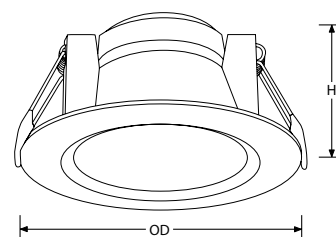
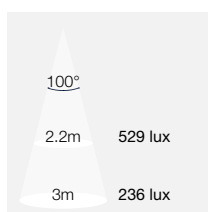


Black White

**30W 4000K 100°**



**3450 Lumens**



#### EN-DL10

(H) 60mm Height  
(OD) 120mm Overall (Ø)  
(CO) 90mm Cutout (Ø)

#### EN-DL15

(H) 60mm Height  
(OD) 150mm Overall (Ø)  
(CO) 120mm Cutout (Ø)

#### EN-DL23

(H) 65mm Height  
(OD) 200mm Overall (Ø)  
(CO) 170mm Cutout (Ø)

#### EN-DL30

(H) 65mm Height  
(OD) 235mm Overall (Ø)  
(CO) 200mm Cutout (Ø)

#### EN-DDL10

(H) 60mm Height  
(OD) 120mm Overall (Ø)  
(CO) 90mm Cutout (Ø)

#### EN-DDL15

(H) 60mm Height  
(OD) 150mm Overall (Ø)  
(CO) 120mm Cutout (Ø)

#### EN-DDL20

(H) 65mm Height  
(OD) 235mm Overall (Ø)  
(CO) 200mm Cutout (Ø)

## Colour & Wattage Selectable Aluminium Downlight

Colour temperature can be switched between 3000K, 4000K and 5700K

Wattage selectable between 10W, 13W and 16W

Delivering up to 99lm/W

Select colour temperature and wattage prior to installation

Adjustable cutout between 65mm and 205mm

120° beam angle

Supplied with integrated non-dimmable driver

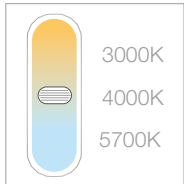
**Can be surface mounted**

## PavoCWS™



Colour & Wattage selectable

### COLOUR SELECTABLE

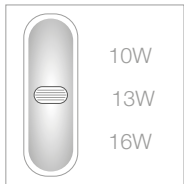


Colour selectable



Colour selectable 3000K, 4000K & 5700K

### WATTAGE SELECTABLE



Wattage selectable



Switch between 10W, 13W & 16W

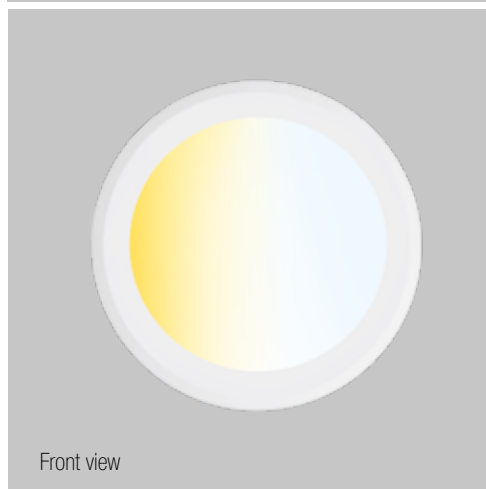
### Flexible installation:



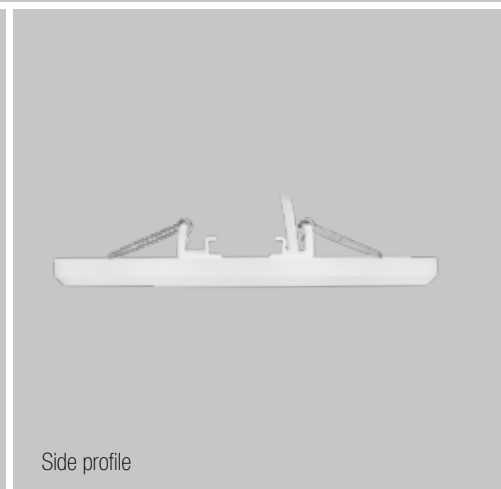
Adjustable cut-out 65mm-205mm



Adjustable bracket for multiple cut-out sizes between 65mm-205mm



Front view



Side profile

### Specification

Installation Type	Recessed Surface
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK06
IP Rating	IP20
Warranty	5 Years

## Colour & Wattage Selectable Aluminium Downlight

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>EN-CWS1</b>	10W	94	940lm	3000K	120°
		96	960lm	4000K	120°
		99	990lm	5700K	120°
	13W	92	1190lm	3000K	120°
		92	1200lm	4000K	120°
		97	1260lm	5700K	120°
16W	84	1350lm	3000K	120°	
	85	1360lm	4000K	120°	
	90	1450lm	5700K	120°	

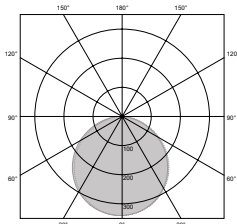
Colour :



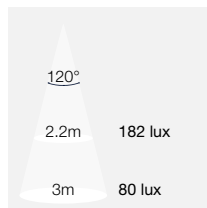
White

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

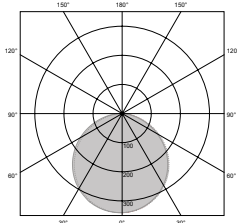
**10W 4000K 120°**



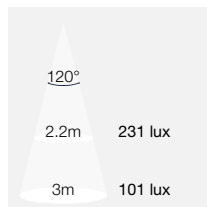
960 Lumens



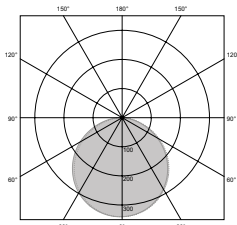
**13W 4000K 120°**



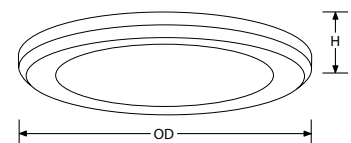
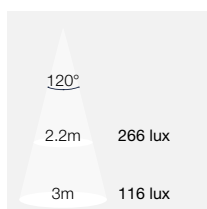
1200 Lumens



**16W 4000K 120°**



1360 Lumens



**EN-CWS1**

(H) 16mm Height

(OD) 235mm Overall (Ø)

(CO) 65mm -205mm Cutout (Ø)

## Low Profile Polycarbonate LED Downlights

Edge-lit low profile ideal for installations in limited recess space (21mm for downlight, 40mm space for driver)

Delivering up to 103lm/W

120° beam angle

Opal polycarbonate diffuser for even light distribution

Supplied with remote non-dimmable constant current driver

## Poly-Slim™



Polycarbonate downlight



Front view



Side profile

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Aluminium, Polycarbonate
Lifetime	15000
CRI	80
IK Rating	IK06
IP Rating	IP40
Warranty	2 Years

## Low Profile Polycarbonate LED Downlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>EN-PLPC06-40</b>	6W	83	500lm	4000K	120°
<b>EN-PLPC09-40</b>	9W	94	850lm	4000K	120°
<b>EN-PLPC12-40</b>	12W	100	1200lm	4000K	120°
<b>EN-PLPC18-40</b>	18W	103	1850lm	4000K	120°

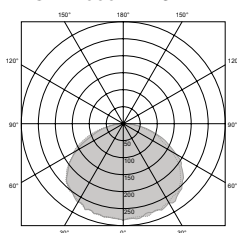
Colour :



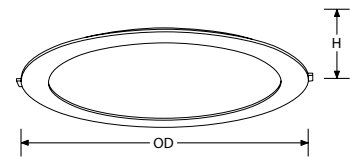
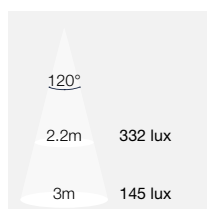
White

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

**18W 4000K 120°**



1850 Lumens



**EN-PLPC06**

(H) 21mm Height  
(OD) 128mm Overall (Ø)  
(CO) 115mm Cutout (Ø)

**EN-PLPC12**

(H) 21mm Height  
(OD) 170mm Overall (Ø)  
(CO) 150mm Cutout (Ø)

**EN-PLPC09**

(H) 21mm Height  
(OD) 146mm Overall (Ø)  
(CO) 130mm Cutout (Ø)

**EN-PLPC18**

(H) 21mm Height  
(OD) 229mm Overall (Ø)  
(CO) 210mm Cutout (Ø)

## High Powered Aluminium COB Downlights

High powered COB with a multi faceted aluminium reflector

Downlight for commercial applications

Delivering 120lm/W

90° beam angle for maximum light distribution

Dimmable available on request

## Reflector-Fit™ **NEW**



COB reflector downlight



Front view



Side profile

### Specification

Installation Type	Recessed
Input Voltage	200 - 240V
Luminaire Materials	Die Cast Aluminium/
Lifetime	50000
CRI	80+
IK Rating	IK03
IP Rating	IP20 Front (IP44 Back)
Warranty	5 Years

# High Powered Aluminium COB Downlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>AA-DLR312-40*</b>	12W	120	1440lm	4000K	90°
<b>AA-DLR420-40*</b>	20W	120	2400lm	4000K	90°
<b>AA-DLR630-40*</b>	30W	120	3600lm	4000K	90°
<b>AA-DLR840-40*</b>	40W	120	4800lm	4000K	90°

Colour options:

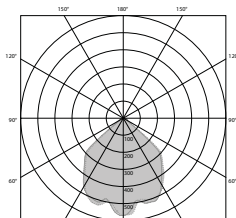


Black White

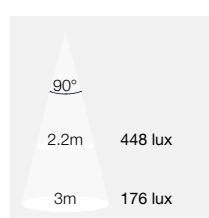
\*Add suffix **W** or **BLK** for White or Black finish

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

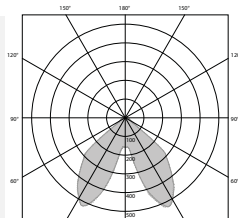
**12W 4000K 90°**



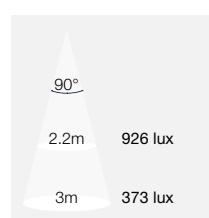
1440 Lumens



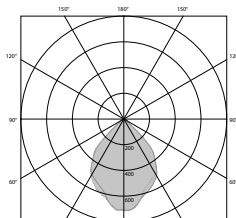
**30W 4000K 90°**



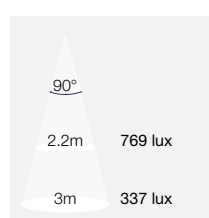
3600 Lumens



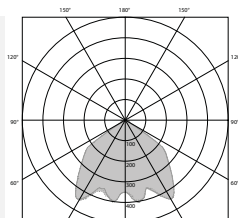
**20W 4000K 90°**



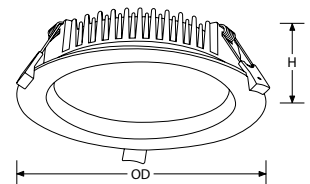
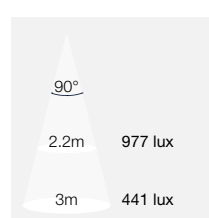
2400 Lumens



**40W 4000K 90°**



4800 Lumens



**AA-DLR312**

(H) 42mm Height  
(OD) 108mm Overall (Ø)  
(CO) 90mm Cutout (Ø)

**AA-DLR420**

(H) 63mm Height  
(OD) 140mm Overall (Ø)  
(CO) 115-125mm Cutout (Ø)

**AP-DLR630**

(H) 70mm Height  
(OD) 190mm Overall (Ø)  
(CO) 155-175mm Cutout (Ø)

**AA-DLR840**

(H) 77mm Height  
(OD) 230mm Overall (Ø)  
(CO) 200-210mm Cutout (Ø)

## Recessed Aluminium LED Adjustable Downlights

High power COB LED wallwasher,  
designed for retail and commercial  
applications

Delivering up to 117lm/W

Rotates 350° with a horizontal  
adjustment of 35°

No UV from the LED light source  
prevents stock fade and discolouration

Supplied with remote LED driver

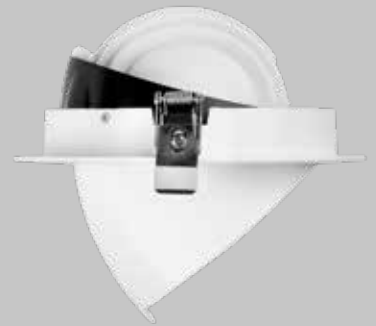
## Retail Spot™



Adjustable 35°



Front view



Rotates 350° with horizontal adjustment

### Specification

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die-Cast Aluminium
Lifetime	50000
CRI	80
IP Rating	IP20
Warranty	5 Years

## Recessed Aluminium LED Adjustable Downlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam	Finish
EN-RSP345-30	30W	107	3200lm	3000K	45°	White
EN-RSP345-40	30W	117	3500lm	4000K	45°	White
EN-RSP345BLK-30	30W	107	3200lm	3000K	45°	Black
EN-RSP345BLK-40	30W	117	3500lm	4000K	45°	Black

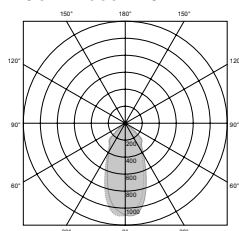
**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

Colour options:

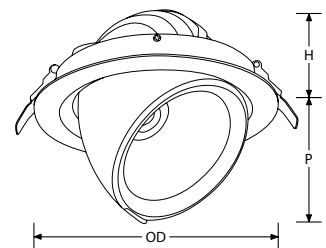


Black White

**30W 4000K 45°**



**3500 Lumens**



**EN-RSP**

(H) 129mm Height  
(P) 85mm Projection  
(OD) 180mm Overall (Ø)  
(CO) 165-170mm Cutout (Ø)

**Dimmable Baffled  
Aluminium LED Downlights**



Sleek baffled design with the light source recessed back to reduce glare

50° beam angle for uniform light distribution (non tilt option)

Option to be supplied with remote triac dimmable constant current LED driver



Fixed baffle design



Adjustable baffle design



20mm deep baffle

**Specification**

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime L80	50,000
CRI	>80
IP Rating - Fixed	IP44
IP Rating - Adjustable	IP54 Front (IP20 Back)
Warranty	5 Years

## Dimmable Baffled Aluminium LED Downlights

Cat. No.	Watts	Colour	lm/W	Lumens	Beam	Type
<b>Non-Dimmable</b>						
AA-DLB071-30*	7W	3000K	92	640	50°	Fixed
AA-DLB071-40*	7W	4000K	97	680	50°	Fixed
AA-DLB101-30*	10W	3000K	92	920	50°	Fixed
AA-DLB101-40*	10W	4000K	97	970	50°	Fixed
<b>Dimmable</b>						
AA-DDLB071-30*	7W	3000K	92	640	50°	Fixed
AA-DDLB071-40*	7W	4000K	97	680	50°	Fixed
AA-DDLB101-30*	10W	3000K	92	920	50°	Fixed
AA-DDLB101-40*	10W	4000K	97	970	50°	Fixed
<b>Non-Dimmable</b>						
AA-DLBT081-30*	8W	3000K	85	680	36°	Adjustable
AA-DLBT081-40*	8W	4000K	96	770	36°	Adjustable
<b>Dimmable</b>						
AA-DDLBT081-30*	8W	3000K	85	680	36°	Adjustable
AA-DDLBT081-40*	8W	4000K	96	770	36°	Adjustable

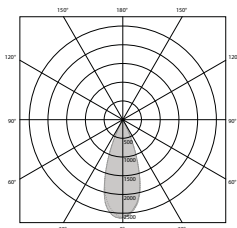
Colour options:



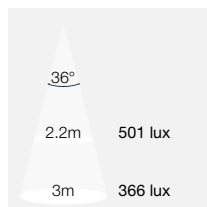
\*Add suffix **W** or **BLK** for White or Black finish

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

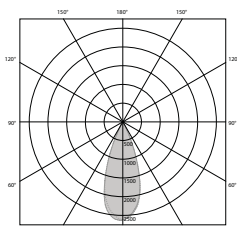
**8W 4000K 36°**



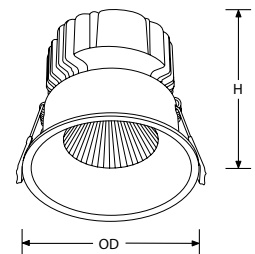
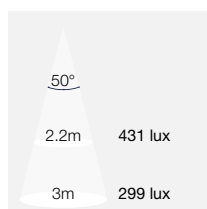
770 Lumens



**10W 3000K 50°**



920 Lumens



**AA-DLB**

(H) 64mm Height  
(OD) 85mm Overall (Ø)  
(CO) 70mm Cutout (Ø)

**AA-DLBT**

(H) 67mm Height  
(OD) 90mm Overall (Ø)  
(CO) 75-83mm Cutout (Ø)

**GU10 Lock Ring  
Aluminium Downlights**

- EN-DLM356 - Fixed IP20 rated
- EN-DLM357- Adjustable IP20 rated with horizontal adjustment 30°
- EN-DL411 - Fixed IP65 Rated
- GU10 lampholder included

**EDLM™**



See pg. 47 (short form)  
See pg's. 49 & 51 (long form)



Fixed white



Adjustable white



IP65 white



Fixed black baffle

**Specification**

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
IP Rating	IP20 - IP65
Warranty	5 Years

## GU10 Lock Ring Aluminium Downlights

Cat. No.	Input	Horz. Adj.
----------	-------	------------

### IP20 Fixed

EN-DLM356W*	240V	-
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### IP20 Adjustable

EN-DLM357W	240V	30°
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EN-DLM357SN	240V	30°
-------------	------	-----

### IP65 Fixed

EN-DLM411W*	240V	-
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### Baffled

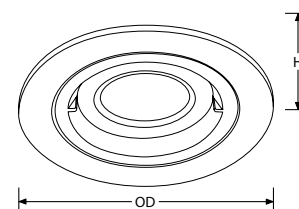
EN-DLM611MW	240V	
-------------	------	--

\*Add Suffix **SN** for Brushed Aluminium Finish

### Colour options:



Brushed Aluminium    White



#### EN-DLM356

(H) 115mm Height  
(OD) 80mm Overall (Ø)  
(CO) 70mm Cutout (Ø)

#### EN-DLM357

(H) 110mm Height  
(OD) 95mm Overall (Ø)  
(CO) 80mm Cutout (Ø)

#### EN-DLM411

(H) 130mm Height  
(OD) 85mm Overall (Ø)  
(CO) 72mm Cutout (Ø)

#### EN-DLM611

(H) 115mm Height  
(OD) 81mm Overall (Ø)  
(CO) 70mm Cutout (Ø)

# TRACK & PENDANT

FOCUSED LIGHT,  
ACCENTUATING DISPLAYS





## EnFiniti™ Restore your product at the end of its life cycle

The Enfiniti™ range of track lights allows the customer to change the COB (Chip on Board) light source and driver at the end of its life offering significant benefits. This capability ensures the longevity and sustainability of the lighting system, as users can replace only the expired components rather than the entire fixture, which is both cost-effective and environmentally friendly.



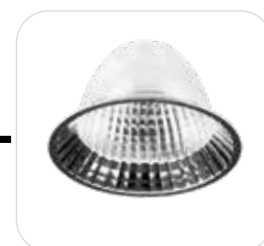
Replaceable COB  
at end of life (Zhaga)

+



Replaceable driver

+



Changeable reflectors  
24°, 36° & 50° beam angles

=



Use the same casing

### 3 Circuit Aluminium LED Track Lighting

Compact styling with powerful outputs, Zenith™ is ideal for retail and display lighting

#### Delivering up to 130lm/W

CRI 90 for high colour rendering accuracy

24°, 36° and 50° beam angle options available

Dimmable versions available on request

355° rotation and 90° horizontal adjustment

2kV surge protection

Zenith™ **NEW**



Available in white and black

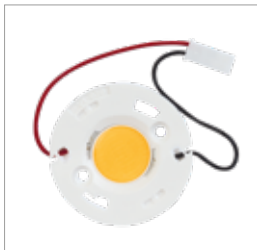


Side profile



Front profile COB chip

### EnFiniti™



Replaceable COB at end of life (Zhaga)



Replaceable driver



24°, 36° and 50° beam angle options available

#### Specification

Installation Type	3 Circuit Track
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80 & 90
IK Rating	IK08
IP Rating	IP20
Warranty	5 Years

### 3 Circuit Aluminium LED Track Lighting

Cat. No. Watts lm/W Lumens Colour Beam

#### CRI80

AA-TSZ288036-30*	28W	127	3550lm	3000K	36°
AA-TSZ288036-35*	28W	129	3600lm	3500K	36°
AA-TSZ288036-40*	28W	130	3620lm	4000K	36°

#### CRI90

AA-TSZ289036-30*	28W	120	3350lm	3000K	36°
AA-TSZ289036-35*	28W	121	3400lm	3500K	36°
AA-TSZ289036-40*	28W	122	3420lm	4000K	36°

\*Add suffix **W** or **BLK** for White or Black finish

**Replace 36 with 24 or 50 in sku code for alternative beam angles options**

**Triac, Dali, 1-10V dimmable options available**, contact sales office for more information

Colour options:



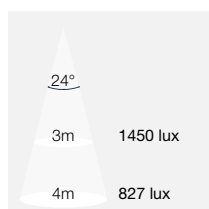
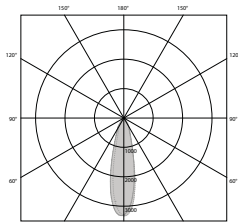
Black White

#### Reflectors

Cat. No.	Beam	Watts
AA-TSZA2824	24°	28W
AA-TSZA2836	36°	28W
AA-TSZA2850	50°	28W

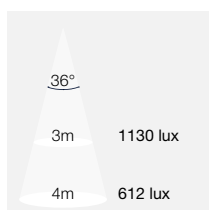
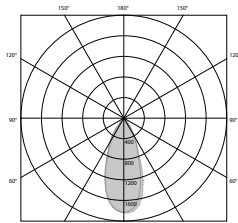
#### CRI 80 24° 3000K

3550 Lumens



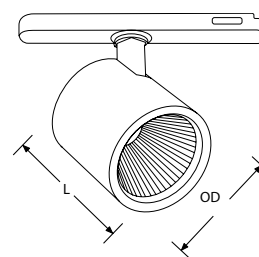
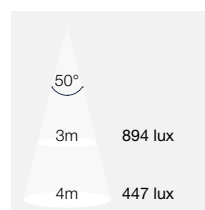
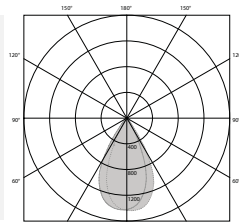
#### CRI 80 36° 3000K

3550 Lumens



#### CRI 80 50° 3000K

3550 Lumens



AA-TSZ28

(OD) 87mm Overall (Ø)

(L) 80mm Length

### 3 Circuit Aluminium LED Track Lighting

Compact styling with powerful outputs, Ray™ is ideal for retail and display lighting

#### Delivering up to 140lm/W

CRI 90 available for high colour rendering accuracy

24°, 36° and 50° beam angle options available

Dimmable versions available on request

355° rotation and 90° horizontal adjustment

2kV surge protection



Available in white and black

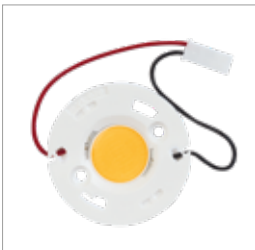


Side profile



Front profile COB chip

### EnFiniti™



Replaceable COB at end of life (Zhaga)



Replaceable driver



24°, 36° and 50° beam angle options available

#### Specification

Installation Type	3 Circuit Track
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80 & 90
IK Rating	IK08
IP Rating	IP20
Warranty	5 Years

### 3 Circuit Aluminium LED Track Lighting

Cat. No. Watts lm/W Lumens Colour Beam

#### CRI80

AA-TSR328036-30*	32W	138	4400lm	3000K	36°
AA-TSR328036-35*	32W	139	4450lm	3500K	36°
AA-TSR328036-40*	32W	140	4480lm	4000K	36°

#### CRI90

AA-TSR329036-30*	32W	130	4160lm	3000K	36°
AA-TSR329036-35*	32W	131	4200lm	3500K	36°
AA-TSR329036-40*	32W	132	4230lm	4000K	36°

Colour options:



\*Add suffix **W** or **BLK** for White or Black finish

**Replace 36 with 24 or 50 in sku code for alternative beam angles options**

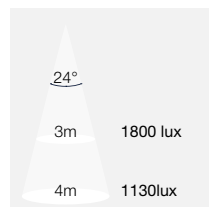
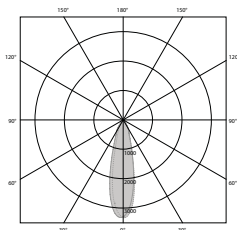
**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

#### Reflectors

Cat. No.	Beam	Watts
AA-TSRA3224	24°	32W
AA-TSRA3236	36°	32W
AA-TSRA3250	50°	32W

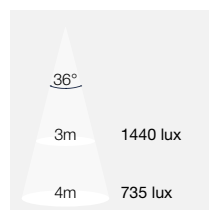
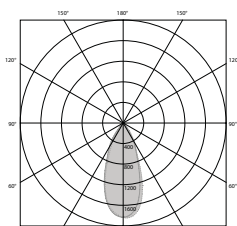
#### CRI 80 24° 3000K

4400 Lumens



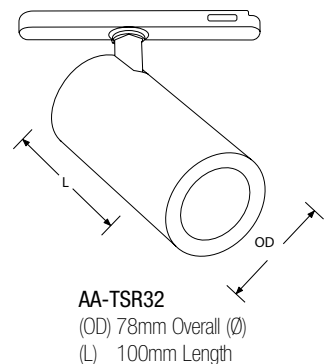
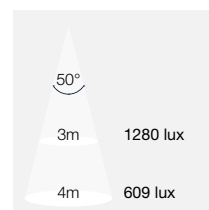
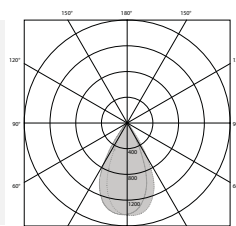
#### CRI 80 36° 3000K

4400 Lumens



#### CRI 80 50° 3000K

4400 Lumens



### 3 Circuit Aluminium LED Track Lighting

Compact styling with powerful outputs, Arcus is ideal for retail and display lighting

#### Delivering up to 140lm/W

CRI 90 available for high colour rendering accuracy

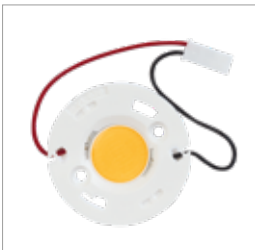
15°, 24°, 36° and 60° beam angle options available

Dimmable versions available on request

355° rotation and 90° horizontal adjustment

Interchangeable reflector translates to flexibility for changing site conditions

### EnFiniti™



Replaceable COB at end of life (Zhaga)



Replaceable driver

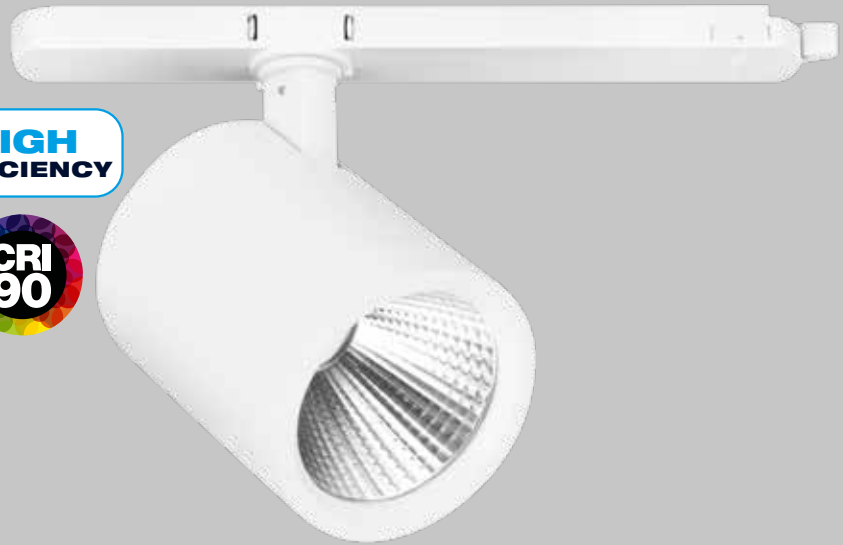


15°, 24°, 36° & 60° beam angle options available

### Arcus+™ **NEW**

**HIGH EFFICIENCY**

**CRI 90**



Adjustable white



Adjustable black



Side profile

#### Specification

Installation Type	3 Circuit Track
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80 & 90
IK Rating	IK08
IP Rating	IP20
Warranty	5 Years

### 3 Circuit Aluminium LED Track Lighting

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>CRI80</b>					
AA-TSA248036-30*	24W	140	3350	3000K	36°
AA-TSA248036-35*	24W	141	3380	3500K	36°
AA-TSA248036-40*	24W	142	3400	4000K	36°
<b>CRI90</b>					
AA-TSA249036-30*	24W	129	3100	3000K	36°
AA-TSA249036-35*	24W	131	3150	3500K	36°
AA-TSA249036-40*	24W	133	3180	4000K	36°
<b>CRI80</b>					
AA-TSA328036-30*	32W	139	4450	3000K	36°
AA-TSA328036-35*	32W	140	4480	3500K	36°
AA-TSA328036-40*	32W	141	4500	4000K	36°
<b>CRI90</b>					
AA-TSA329036-30*	32W	130	4160	3000K	36°
AA-TSA329036-35*	32W	131	4200	3500K	36°
AA-TSA329036-40*	32W	132	4230	4000K	36°

Colour options:



Black White

\*Add suffix **W** or **BLK** for White or Black finish

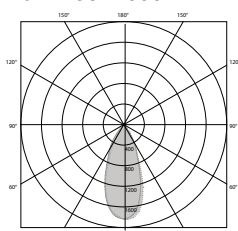
**Replace 36 with 15, 24 or 60 in sku code for alternative beam angles options**

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

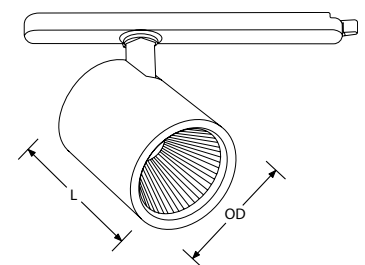
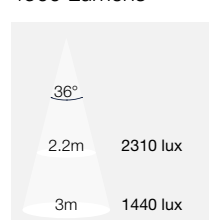
#### Reflectors

Cat. No.	Beam	Watts
AA-TSAA2415	15°	24W
AA-TSAA2424	24°	24W
AA-TSAA2436	36°	24W
AA-TSAA2460	60°	24W
AA-TSAA3215	15°	32W
AA-TSAA3224	24°	32W
AA-TSAA3236	36°	32W
AA-TSAA3260	60°	32W

**32W 36° 4000K**



**4500 Lumens**



**AA-TSA24**

(OD) 93mm Overall (Ø)  
(L) 112mm Length

**AA-TSA32**

(OD) 93mm Overall (Ø)  
(L) 113mm Length

**GU10 Aluminium  
Single Circuit Track Lighting**

Cast aluminium track spotlight with  
slimline single circuit track adaptor

Compatible with industry standard  
Global single circuit track

Adjustable rotation 350° and 180° tilt

For use with GU10 lamps - lamp  
not included

**Trac™**



**WORKS WITH  
GU10 LAMPS**



See pg. 47 (short form)  
See pg. 49 & 51 (long form)

Short form white



Short form black



Long form black

**Specification**

Installation Type	1 Circuit Track
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
IP Rating	IP20
Warranty	3 Years

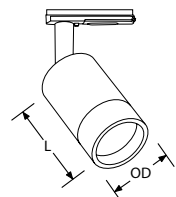
## GU10 Aluminium Single Circuit Track Lighting

Cat. No.	Input	Finish	Type
<b>EN-TK1W</b>	240V	White	Long Form
<b>EN-TK1BLK</b>	240V	Black	Long Form
<b>EN-TK2W</b>	240V	White	Short Form
<b>EN-TK2BLK</b>	240V	Black	Short Form

Colour options:






Black White



**EN-TK1**  
(OD) 60mm Overall (Ø)  
(L) 130mm Length

**EN-TK2**  
(OD) 60mm Overall (Ø)  
(L) 100mm Length

## Single Circuit Track Lighting Accessories

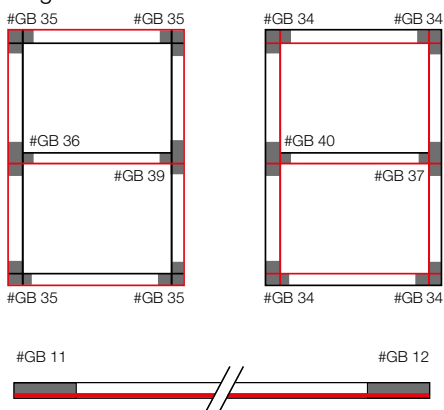
Single Circuit Track		Black	White
	1 Metre	GB2100-2	GB2100-3
	2 Metre	GB2200-2	GB2200-3
	3 Metre	GB2300-2	GB2300-3

Single Circuit Track Accessories		Black	White
	Live End	GB11-2	GB11-3
	Dead End	GB41-2	GB41-3
	Straight Connector	GB21-2	GB21-3
	L Connector Inside Feed	GB34-2	GB34-3
	X Connector	GB38-2	GB38-3
	T Connector Inside Left	GB37-2	GB37-3

### 5 Year Warranty




Consider polarity for L and T Connectors and the Live Ends. Red line shows polarity.


#### Single Circuit Floor View From Below











Diagrams show the track layout viewed from below, looking up. The part of the track that takes the fitting faces the viewer. Components must be turned upside down before adding to a floor plan.

## Three Circuit Track Lighting Accessories

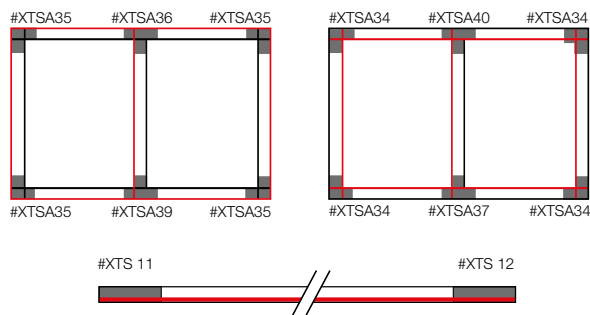
Three Circuit Track		Black	White
	1 Metre	XTS410-N	XTS410-W
	2 Metre	XTS420-N	XTS420-W
	3 Metre	XTS430-N	XTS430-W

Track Suspension	Three Circuit	Black	White
	3 Circuit Track Suspension Bracket	SKB16-N	SKB16-W

Three Circuit Track Accessories		Black	White
	Live End	XTSA11-N	XTSA11-W
	Dead End	XTSA41-N	XTSA41-W
	Straight Connector	XTSA21-N	XTSA21-W
	Flexible Connector	XTSA23-N	XTSA23-W
	Adjustable Connector	XTSA24-N	XTSA24-W
	L Connector Inside Feed	XTSA34-N	XTSA34-W
	X Connector	XTSA38-N	XTSA38-W
	T Connector Outside Right	XTSA36-N	XTSA36-W

### 5 Year Warranty

#### Three Circuit Floor View From Below



Call us now for assistance specifying track systems.  
 Contact Aurora Africa direct for details on,  
 Tel: +27 (0) 11 234 4878 or email: [info@aurora-africa.com](mailto:info@aurora-africa.com)

Consider polarity for L and T Connectors  
 and the Live Ends. Red line shows polarity.

**Surface / Suspended Mount  
Polycarbonate Pendant**

Can be surface or suspended mounted

Internal driver

Flicker free

Polycarbonate construction

**Halo™** **NEW**



Black with gold reflector



White with white reflector



Front view

**Specification**

Installation Type	Surface / Suspended Mount
Input Voltage	200 - 240V
Luminaire Materials	Polycarbonate
Lifetime L80	50000
CRI	80
IK Rating	IK06
IP Rating	IP54
Warranty	3 Years

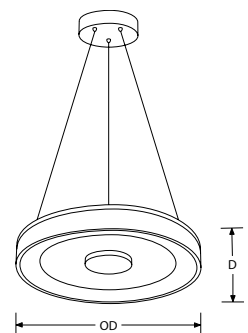
## Surface / Suspended Mount Polycarbonate Pendant

Cat. No.	Watts	Colour	Lumens	Beam	Finish
<b>AA-PD32018-30W</b>	18W	4000K	600	120°	White with white reflector
<b>AA-PD32018-30BG</b>	18W	4000K	600	120°	Black with gold reflector

Colour options:



Black White



**AA-PD32018**  
(OD) 320mm Overall (Ø)  
(D) 64mm Depth

# LAMPS

HIGH POWERED,  
OPTIMUM EFFICIENCY





ICE Lamp™  
47



ICE LampPro™  
49

**Load Shedding**



EM GU10 Lamps™  
51

**Load Shedding**



EM E27/B22 Lamps™  
53



Eco™  
55



Candle & Golf Ball  
57

## GU10 LED Lamps

Featuring ThermoTec™ heat management technology

Delivering up to 120lm/W

Suitable for use in enclosed luminaires

Sparkling low glare multifaceted lens

**60° beam angle**

EN-DGU005 & EN-GU005 - **CRI80**

EN-DGU005H - **CRI90**

## Ice Lamp™



GU10 ICE lamp



Front view



Side profile

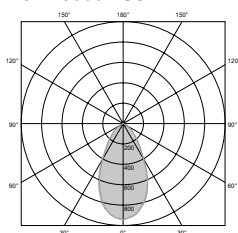
### Specification

Input Voltage	220 - 240V
Luminaire Materials	Aluminium Thermo Plastic
Lifetime L70	45000
CRI	80 or 90
IK Rating	IK06
IP Rating	IP20
Warranty	5 Years

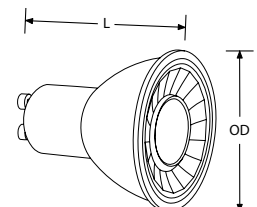
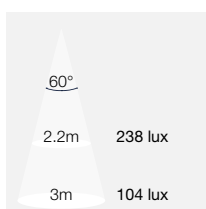
## GU10 LED Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>Dimmable CRI80</b>						
EN-DGU005-27	GU10	5W	106	530lm	2700K	60°
EN-DGU005-30	GU10	5W	112	560lm	3000K	60°
EN-DGU005-40	GU10	5W	120	600lm	4000K	60°
EN-DGU005-64	GU10	5W	120	600lm	6400K	60°
<b>Dimmable CRI90</b>						
EN-DGU005H-27	GU10	5W	86	400lm	2700K	60°
EN-DGU005H-30	GU10	5W	85	423lm	3000K	60° </td
EN-DGU005H-40	GU10	5W	98	491lm	4000K	60°
<b>Non-Dimmable CRI80</b>						
EN-GU005-27	GU10	5W	106	530lm	2700K	60°
EN-GU005-30	GU10	5W	112	560lm	3000K	60°
EN-GU005-40	GU10	5W	120	600lm	4000K	60°
EN-GU005-64	GU10	5W	120	600lm	6400K	60°

**5W 3000K 60°**



560 Lumens



**EN-GU005**  
(OD) 50mm Overall (Ø)  
(L) 57mm Length

**EN-DGU005**  
(OD) 50mm Overall (Ø)  
(L) 57mm Length

**EN-DGU005H**  
(OD) 50mm Overall (Ø)  
(L) 57mm Length

## GU10 High Specification Dimmable LED Lamps

Sparkling low glare multifaceted lens  
24° & 38° beam angle

## Ice LampPro™



Long form GU10 lamp



Front view



Side profile

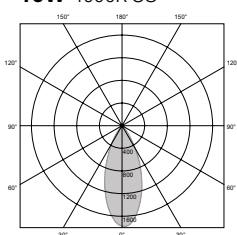
### Specification

Input Voltage	220 - 240V
Luminaire Materials	Aluminium Thermo Plastic
Lifetime L90	25000
CRI	80
IK Rating	IK06
IP Rating	IP20
Warranty	3 Years

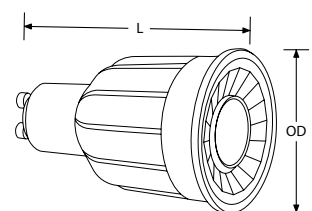
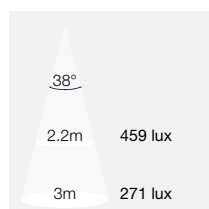
## GU10 High Specification Dimmable LED Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>Dimmable</b>						
<b>EN-DGU1024H-30</b>	GU10	10W	75	750lm	3000K	24°
<b>EN-DGU1024H-40</b>	GU10	10W	80	800lm	4000K	24°
<b>EN-DGU1038-30</b>	GU10	10W	83	830lm	3000K	38°
<b>EN-DGU1038-40</b>	GU10	10W	83	830lm	4000K	38°

**10W 4000K 38°**



**830 Lumens**



**EN-DGU10**  
(OD) 50mm Overall (Ø)  
(L) 82mm Length

**GU10 Non-Dimmable  
LED Emergency Lamps**

Provides automatic illumination during a power outage

Delivering 80lm/W

3 hour emergency backup

400 lumen during normal operation

Lumens during 1st hour of emergency operation > 70lm

Lumens during 2nd hour of emergency operation > 40lm

Lumens during 3rd hour+ of emergency operation > 35lm

Deep body for longer battery life

60° beam angle

6500K when operating in emergency mode

Can be switched on/off during emergency mode

**Emergency GU10 - Load Shedding**



Long form GU10 emergency lamp



Front view



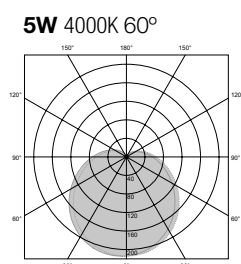
Side profile

**Specification**

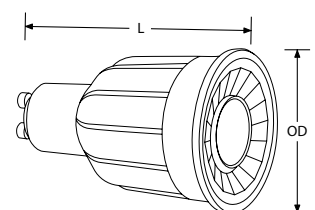
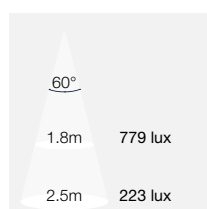
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime L70	25000
CRI	80
IK Rating	IK06
IP Rating	IP40
Warranty	2 Years

## GU10 Non-Dimmable LED Emergency Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>Non-Dimmable</b>						
<b>AU-EMGU05-30</b>	GU10	5W	80	400lm	3000K	60°
<b>AU-EMGU05-40</b>	GU10	5W	80	400lm	4000K	60°



400 Lumens



**AU-EMGU05**  
(OD) 60mm Overall (Ø)  
(L) 125mm Length

**GLS Non-Dimmable  
LED Emergency Lamps**

Provides automatic illumination during a power outage

Delivering 102lm/W

6 hour power storage built into existing A60 lamp profile

High 810 lumen during normal operation

First hour lumen > 150lm during emergency option

2-3 hours lumens > 100lm during emergency operation

6 hours lumens > 80lm during emergency operation

150° Beam angle

6500K when operating in emergency mode

Can be switched on/off during emergency mode

Switchable lampholder option with robust metal clip

**Emergency - Load Shedding**



E27 base emergency lamp



B22 base



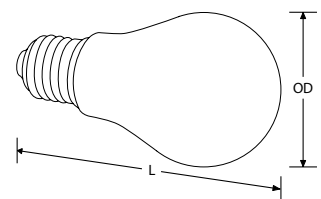
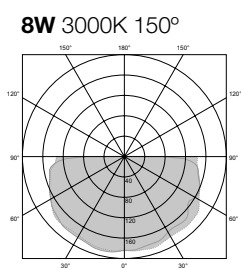
E27 emergency lampholder for A60 lamp

**Specification**

Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime L70	25000
CRI	80
IK Rating	IK06
IP Rating	IP40
Warranty	2 Years

## GLS Non-Dimmable LED Emergency Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>AU-EM6GLSB227-30</b>	B22	8W	102	810lm	3000K	150°
<b>AU-EM6GLSE277-30</b>	E27	8W	102	810lm	3000K	150°
<b>AA-EMLGHE27</b>	E27 emergency lamp holder					



**AU-EM6GLS**  
(OD) 60mm Overall (Ø)  
(L) 125mm Length

## GLS Dimmable / Non-Dimmable LED Lamps

Retrofit LED GLS lamp

Delivering up to 127lm/W

EN-GLSE279 & EN-GLSB229 -  
290° beam angle

EN-DGLSE279 & EN-DGLSB229 -  
270° beam angle

Ideal replacement for traditional  
incandescent lamps

# Eco™



B22 GLS



B22 GLS



E27 GLS

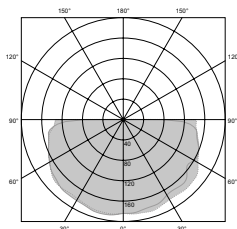
### Specification

Input Voltage	220 - 240V
Luminaire Materials	Aluminium Polycarbonate Thermo Plastic
Lifetime L70	20000
CRI	80
IK Rating	IK06
IP Rating	IP20
Warranty	3 Years

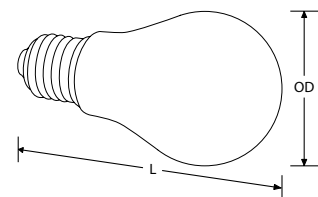
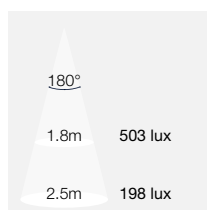
## GLS Dimmable / Non-Dimmable LED Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>Non-Dimmable</b>						
EN-GLSE279-30	E27	8W	98	780lm	3000K	290°
EN-GLSE279-40	E27	8W	100	800lm	4000K	290°
EN-GLSB229-30	B22	8W	98	780lm	3000K	290°
EN-GLSB229-40	B22	8W	100	800lm	4000K	290°
EN-GLSB2215-30	B22	15W	120	1800lm	3000K	180°
EN-GLSB2215-40	B22	15W	127	1900lm	4000K	180°
<b>Dimmable</b>						
EN-DGLSE279-27	E27	8W	101	810lm	3000K	270°
EN-DGLSB229-27	B22	8W	101	810lm	4000K	270°

**15W 4000K 180°**



**1900 Lumens**



**EN-GLSE279**

(OD) 60mm Overall (Ø)  
(L) 110mm Length

**EN-GLSB229**

(OD) 60mm Overall (Ø)  
(L) 110mm Length

**EN-DGLSE279**

(OD) 60mm Overall (Ø)  
(L) 110mm Length

**EN-DGLSB229**

(OD) 60mm Overall (Ø)  
(L) 108mm Length

**Dimmable LED  
Candle & Golf Ball Lamps**

Dimmable with most leading  
and trailing edge dimmers

Delivering 80lm/W

2700K colour temperature for  
warm white ambient lighting

Available in variety of common  
lamp base types

# Candle



E14 LED candle



B22 LED golf ball



Close up view

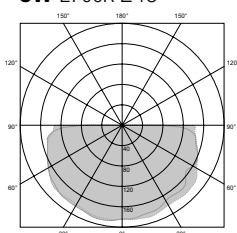
### Specification

Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime L70	25000
CRI	80
IK Rating	IK06
IP Rating	IP40
Warranty	3 Years

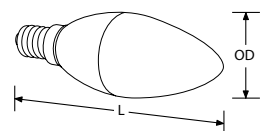
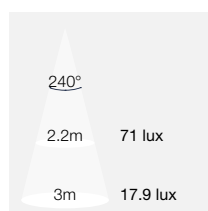
## Dimmable LED Candle & Golf Ball Lamps

Cat. No.	Base	Watts	lm/W	Lumens	Colour	Beam
<b>Dimmable Candle</b>						
EN-DCNDE145-27	E14	5W	80	400lm	2700K	240°
EN-DCNDE275-27	E27	5W	80	400lm	2700K	240°
EN-DCNDB225-27	B22	5W	80	400lm	2700K	240°
<b>Dimmable Golf Ball</b>						
EN-DG45E145-27	E14	5W	80	400lm	2700K	190°
EN-DG45E275-27	E27	5W	80	400lm	2700K	190°
EN-DG45B225-27	B22	5W	80 </td <td>400lm</td> <td>2700K</td> <td>190°</td>	400lm	2700K	190°

5W 2700K 240°



400 Lumens



EN-DCNDE145  
(OD) 35mm Overall (Ø)  
(L) 105mm Length

# LED PANELS

OPTIMISED EFFICIENCY,  
**ENHANCED VISUAL  
COMFORT**





**NEW**



CyaLux™

61

**NEW**



BackLite+™

63

## Aluminium Prismatic Lens LED Medical Flat Panel

CyaLux™ Medical Panel **NEW**

### Cyanosis index 1.5

Delivering 120lm/W

UGR19

No light guide, removing the risk of yellowing

PMMA lenses for uniformity of light

SDCM <4 providing consistent light colour quality

Lifetime is not affected by frequent switching when using occupancy controls

Flicker free driver

Power Factor > 0.9

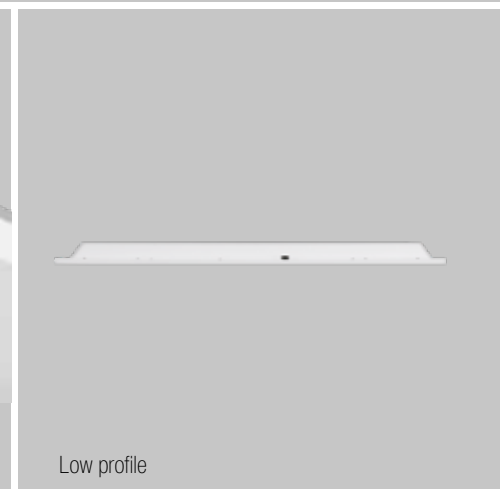
Suitable for installation in 15 and 24mm T-bar ceilings



LED prismatic medical panel



Features PMMA lenses around the led to provide uniformity of light



Low profile

### Specification

Installation Type	Recessed, Surface or Suspended
Input Voltage	220 - 240V
Luminaire Materials	Aluminium + Iron + PS
Lifetime	50000
CRI	90+
IK Rating	IK03
IP Rating	IP54 front (IP20 back)
Warranty	5 Years

# Aluminium Prismatic Lens LED Medical Flat Panel

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>600x600mm</b>					
<b>AA-MED6060-40</b>	40W	120	4800lm	4000K	90°
<b>1200x600mm</b>					
<b>AA-MED1260-40</b>	50W	120	6000lm	4000K	90°

Colour :



White

Cat. No.	Description	Dimensions
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### Surface Mount Boxes

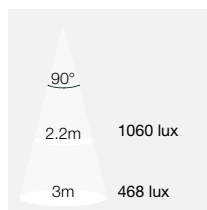
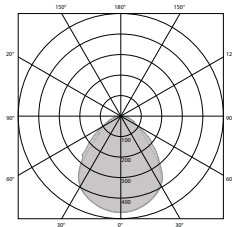
**SV-SM103B** Surface mount box for **AA-MED6060** 600 x 600 x 50mm

**SV-SM106B** Surface mount box for **AA-MED1260** 1200 x 600 x 50mm

**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

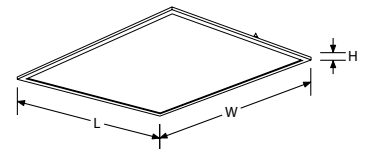
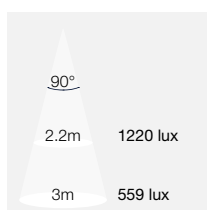
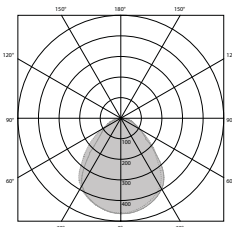
**600x600mm 4000K 90°**

4800 Lumens



**1200x600mm 4000K 90°**

6000 Lumens



**AA-MED6060**

(L) 595mm Length

(W) 595mm Width

(H) 32mm Height

**AA-MED1260**

(L) 1195mm Length

(W) 595mm Width

(H) 32mm Height

**Backlite Aluminium  
LED Flat Panel**

No light guide, removing the risk of yellowing

**Delivering 140lm/W**

PMMA lenses for uniformity of light  
SDCM <4 providing consistent light colour quality

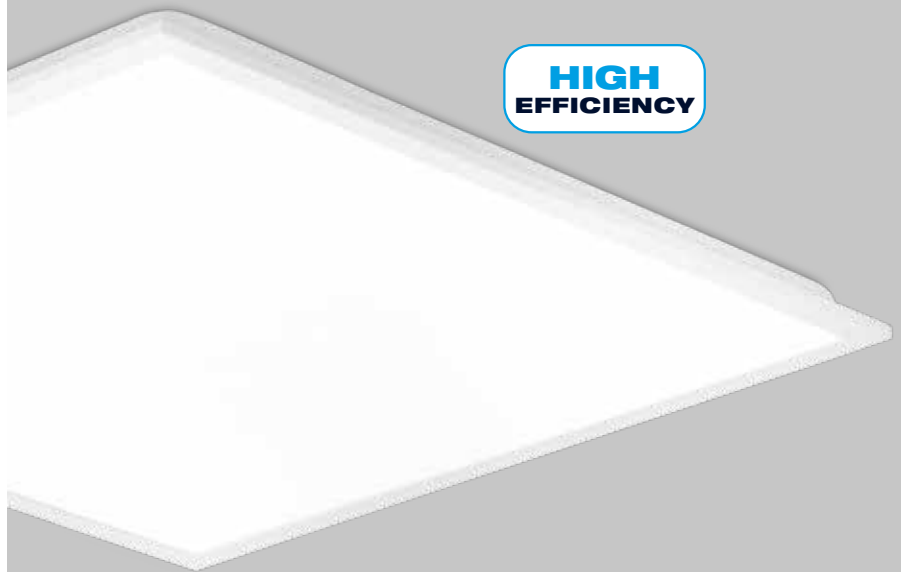
Lifetime is not affected by frequent switching when using occupancy controls

Flicker free driver

Power Factor > 0.9

Suitable for installation in 15 and 24mm T-bar ceilings

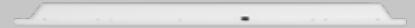
**BackLite+™** **NEW**



Backlite LED panel



Backlite features PMMA lenses around the led to provide uniformity of light



Low profile

Panels

**Specification**

Installation Type	Recessed
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium + Iron + PS
Lifetime	50000
CRI	80
IK Rating	IK03
IP Rating	IP20
Warranty	5 Years

## Backlite Aluminium LED Flat Panel

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>600x600mm</b>					
EN-LPB6060B-40	29W	140	4060lm	4000K	110°
EN-LPB6060B-50	29W	140	4080lm	5000K	110°
<b>1200x600mm</b>					
EN-LPB1260B-40	40W	140	5600lm	4000K	120°
EN-LPB1260B-50	40W	140	5640lm	5000K	120°
<b>1200x300mm</b>					
EN-LPB1230B-40	29W	140	4060lm	4000K	110°
EN-LPB1230B-50	29W	140	4080lm	5000K	110°

Colour :

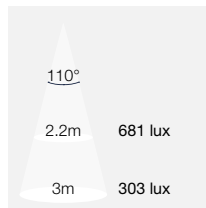
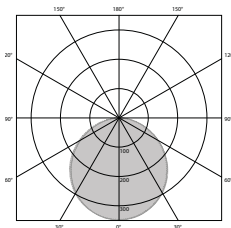


White

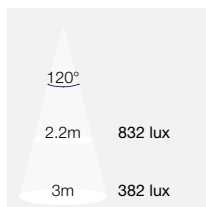
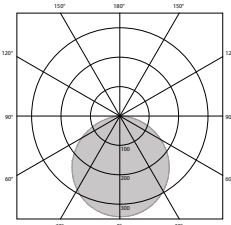
**Triac, Dali, 1-10V dimmable & EM options available**, contact sales office for more information

Cat. No.	Description	Dimensions
<b>Surface Mount Boxes</b>		
SV-SM103B	Surface mount box for <b>EN-LPB6060B</b>	600 x 600 x 50mm
SV-SM106B	Surface mount box for <b>EN-LPB1260B</b>	1200 x 600 x 50mm
SV-SM107B	Surface mount box for <b>EN-LPB1230B</b>	1200 x 300 x 50mm

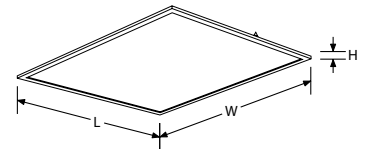
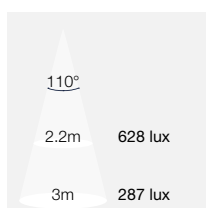
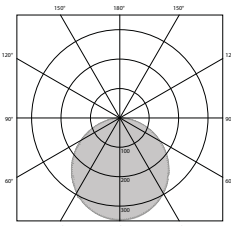
**600x600mm 4000K 110°** 4060 Lumens



**1200x600mm 4000K 120°** 5600 Lumens



**1200x300mm 4000K 110°** 4060 Lumens



**EN-LPB6060**

- (L) 595mm Length
- (W) 595mm Width
- (H) 32mm Height

**EN-LPB1260**

- (L) 1195mm Length
- (W) 595mm Width
- (H) 32mm Height

**EN-LPB1230**

- (L) 1195mm Length
- (W) 295mm Width
- (H) 32mm Height

# LINEARS

PURPOSEFUL DESIGN,  
**EXCEPTIONAL EFFICIENCY**



**NEW**



**Colour & Wattage  
Selectable LED Anti-Corrosives**

Clip in gear tray for ease of installation and maintenance

**Delivering up to 160lm/W**

Stainless steel anti-tamper clips

2x IP66 rated cable glands supplied

IK10 rated impact resistance

Adjustable light detector from 2-50 lux for microwave option

Adjustable hold time of 5 seconds to 15 minutes for microwave option

-10°C to 50°C ambient operating temperature (for standard and MS version, 0-40°C for EM option)

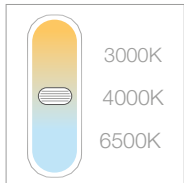
**LinearPac+™**



**HIGH EFFICIENCY**

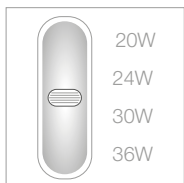
IP66 glands

**COLOUR SELECTABLE**



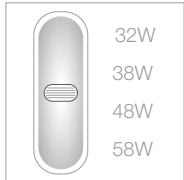
Colour selectable

**WATTAGE SELECTABLE**



Wattage selectable

**AA-ANT12WSF-CCT3**



Wattage selectable

**AA-ANT15WSF-CCT3**



Colour & wattage selectable



Frosted & milky diffuser options

**Specification**

Installation Type	Surface
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK10
IP Rating	IP66
Warranty	5 Years

## Colour & Wattage Selectable LED Anti-Corrosives

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
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### Twin 4' (1200mm)

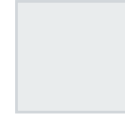
<b>AA-ANT12WSF-CCT3*</b>	20W / 24W / 30W / 36W	up to 160	5760lm	3000K / 4000K / 6500K	110°
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### Twin 5' (1500mm)

<b>AA-ANT15WSF-CCT3*</b>	32W / 38W / 48W / 58W	up to 160	9280lm	3000K / 4000K / 6500K	110°
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\*Add suffix **EM** for **Emergency**, **MS** for **Microwave Sensor** options available upon request

Colour :

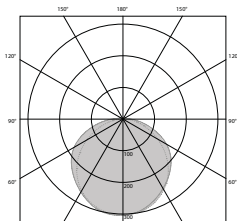


Grey

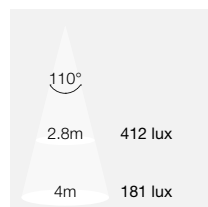
### Accessories

Cat. No.	Description
<b>AA-ANTA12-M</b>	4' milky diffuser
<b>AA-ANTA12-F</b>	4' frosted diffuser
<b>AA-ANTA15-M</b>	5' milky diffuser
<b>AA-ANTA15-F</b>	5' frosted diffuser

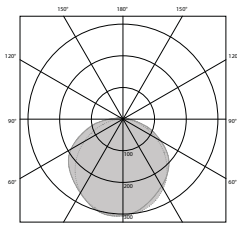
**36W 4000K 110°**



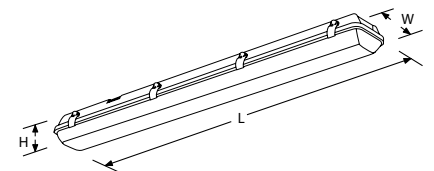
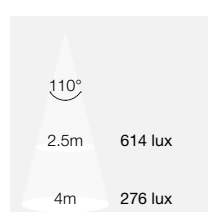
5760 Lumens



**58W 4000K 110°**



9280 Lumens



**AA-ANT12WSF-CCT**

(L) 1200mm Length

(W) 100mm Width

(H) 72mm Height

**AA-ANT15WSF-CCT**

(L) 1500mm Length

(W) 100mm Width

(H) 72mm Height

**Seamless Narrow  
Polycarbonate Linear**

High quality extruded polycarbonate

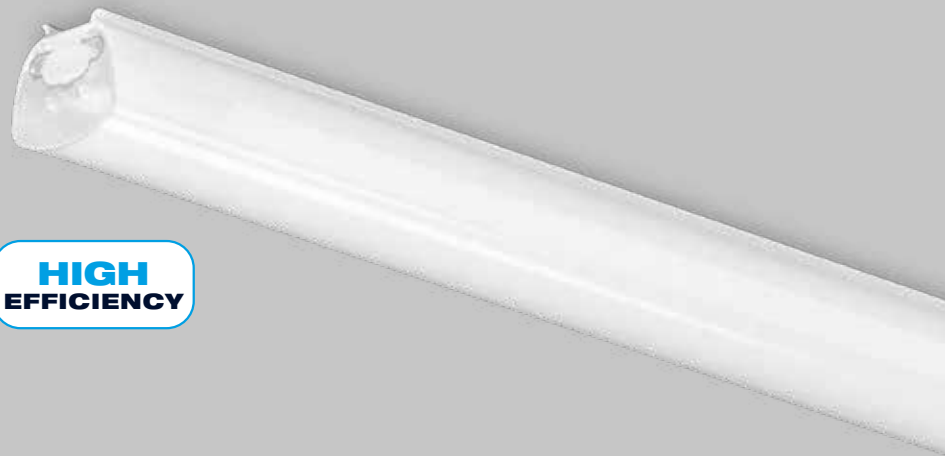
**Delivering up to 170lm/W**

External driver

Supplied with mounting clips

T-piece, 90 degree bend and cross piece accessories available

**Lumi-Line™** **NEW**



**HIGH  
EFFICIENCY**

Available in white & black finishes



Side profile



End profile

**Specification**

Installation Type	Surface Mount
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	50000
CRI	80
IP Rating	IP20
Warranty	5 Years

# Seamless Narrow Polycarbonate Linear

Cat. No.	Watts	lm/W	Lumens	Colour	Beam	Finish
<b>Black Finish</b>						
SV-AZ4515BLK-30	45W	145	6525lm	3000K	120°	Black
SV-AZ4515BLK-40	45W	145	6525lm	4000K	120°	Black
SV-AZ6015BLK-30	60W	170	10200lm	3000K	120°	Black
SV-AZ6015BLK-40	60W	170	10200lm	4000K	120°	Black
<b>White Finish</b>						
SV-AZ4515-30	45W	145	6525lm	3000K	120°	White
SV-AZ4515-40	45W	145	6525lm	4000K	120°	White
SV-AZ6015-30	60W	170	10200lm	3000K	120°	White
SV-AZ6015-40	60W	170	10200lm	4000K	120°	White

Colour options:



## Accessories

SV-AZTEE	AZ Linear T-piece connection
SV-AZCROSS	AZ Linear cross connector
SV-AZBEND90	AZ Linear 90° bend
SV-AZCLIP70	AZ Linear 70mm clip - a single clip
SV-AZ45DEG	AZ Linear 45° clip



T-Piece Connection



Cross Connector

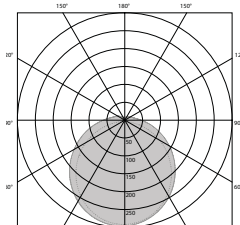


90° Bend

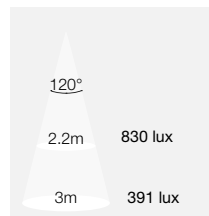


70mm Single Clip  
and a 45° clip

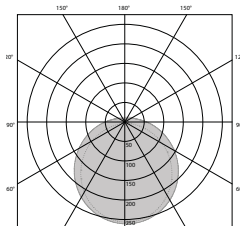
**45W 4000K 120°**



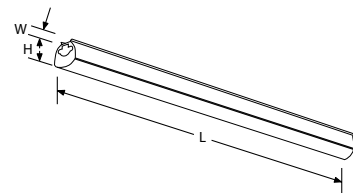
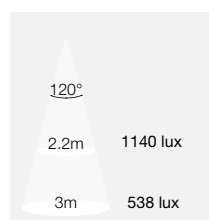
6525 Lumens



**60W 4000K 120°**



10200 Lumens



**SV-AZ4515**

(L) 1500mm Length

(W) 48mm Width

(H) 48mm Height

**SV-AZ6015**

(L) 1500mm Length

(W) 48mm Width

(H) 48mm Height

**SV-AZ4515BLK**

(L) 1500mm Length

(W) 48mm Width

(H) 48mm Height

**SV-AZ6015BLK**

(L) 1500mm Length

(W) 48mm Width

(H) 48mm Height

## Surface / Suspended LED Linear

High quality extruded aluminium chassis

Delivering 100lm/W

Opal polycarbonate diffuser with uniform distribution

Supplied with 2 metre suspension cable & surface mount brackets

Suitable for surface mounting or suspension

## InterLED™



Available in white & black finishes



LED configuration



Suspension accessories included with product

### Specification

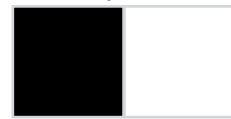
Installation Type	Suspended or Surface Mount
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK08
IP Rating	IP20
Warranty	5 Years

## Surface / Suspended LED Linear

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>EN-LN1230-40*</b>	30W	100	3000lm	4000K	120°
<b>EN-LN1540-40*</b>	40W	100	4000lm	4000K	120°

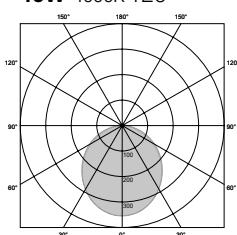
\*Add suffix **W** or **BLK** for White or Black finish

Colour options:

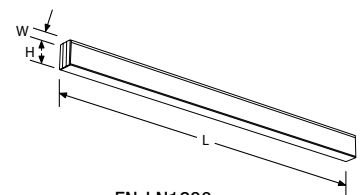


Black White

**40W 4000K 120°**



4000 Lumens



**EN-LN1230**

(L) 1200mm Length  
(W) 50mm Width  
(H) 82mm Height

**EN-LN1540**

(L) 1500mm Length  
(W) 50mm Width  
(H) 82mm Height

## High Performance LED Battens

Updated design with a push clip release mechanism at each end

### Delivering up to 140lm/W

Hinged gear tray for fast installation

Push-fit terminals

Knockouts for cable entry on both ends

Multiple BESA mounting points (matches traditional fluorescent)

IK08 rated

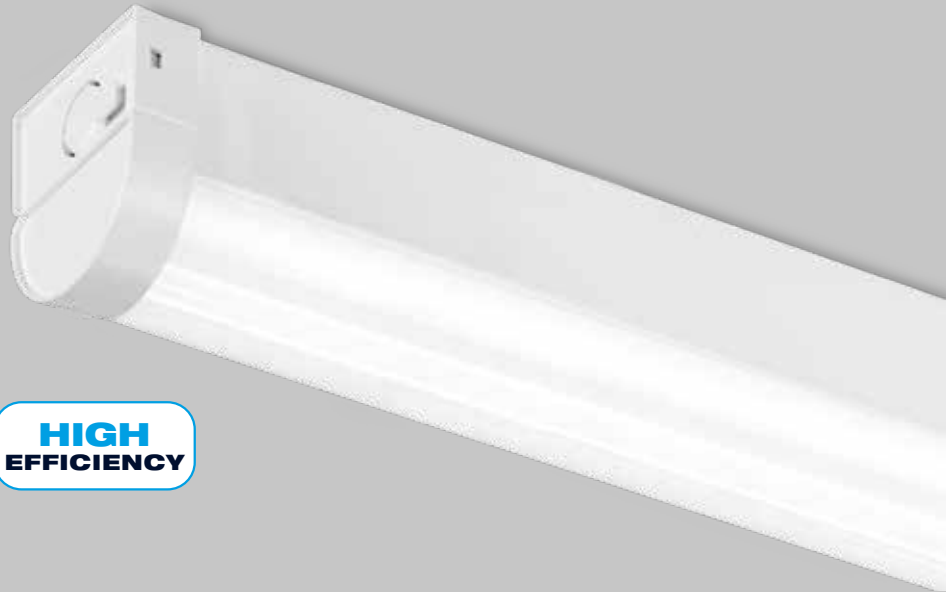
Adjustable light detector from 2-50 lux for microwave option

Adjustable hold time of 5 seconds to 30 minutes for microwave option

Opal polycarbonate diffuser for even light distribution

Can be surface mounted or suspended

## BatPac™



**HIGH EFFICIENCY**

White finish



Hinged design



Besa box mounting points

### Specification

Installation Type	Surface & Suspended
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Pressed Steel
Lifetime	50000
CRI	80
IK Rating	IK08
IP Rating	IP20
Warranty	5 Years

## High Performance LED Battens

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>Single</b>					
<b>EN-BA1222*-40</b>	20W	140	2800lm	4000K	120°
<b>Twin</b>					
<b>EN-BA1243*-40</b>	38W	140	5300lm	4000K	120°

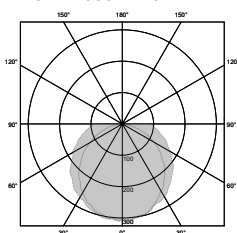
Colour :



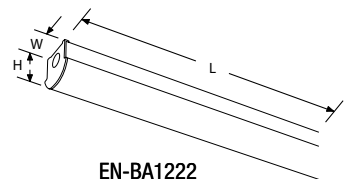
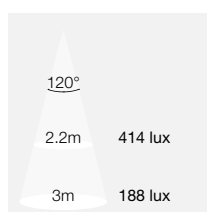
White

\*Add suffix **EM, MS** for **Emergency** or **Microwave Sensor** options.

**20W 4000K 120°**



**2800 Lumens**



**EN-BA1222**

(L) 1170mm Length

(W) 61mm Width

(H) 71mm Height

**EN-BA1243**

(L) 1170mm Length

(W) 61mm Width

(H) 71mm Height

## Linkable LED Anti-Corrosives

Vandal resistant high impact polycarbonate housing

Delivering up to 120lm/W

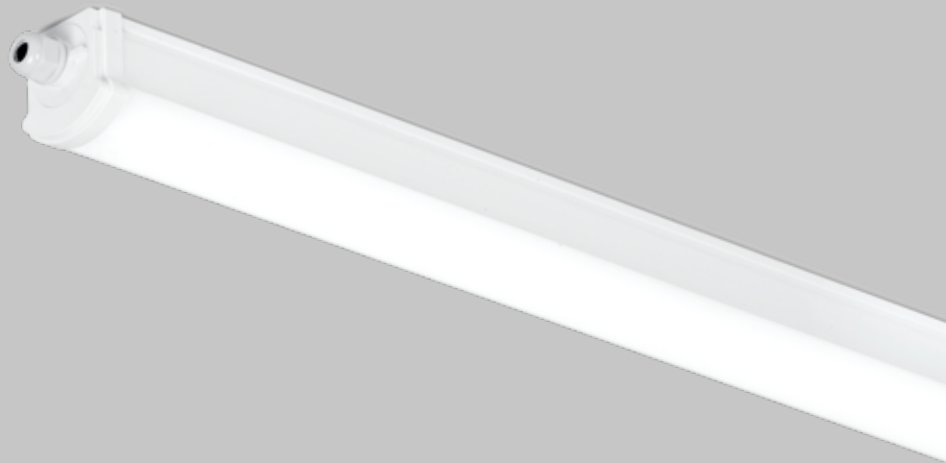
Opal diffuser to provide smooth even light distribution

Adjustable push fit terminals at either end for quicker installation and through wiring

2 x IP66 rated cable glands supplied

-25° to 40° ambient operating temperature

## HydroLink™



IP66 LED anti-corrosives



IP66 rated cable gland



Easy access terminal block for faster install

### Specification

Installation Type	Surface Mount
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate, Steel
Lifetime	40000
CRI	80
IK Rating	IK10
IP Rating	IP66
Warranty	5 Years

# Linkable LED Anti-Corrosives

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>Twin</b>					
<b>EN-ANTL1238*-40</b>	38W	116	4400lm	4000K	120°
<b>EN-ANTL1555*-40</b>	55W	120	6600lm	4000K	120°

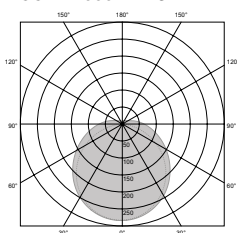
Colour :



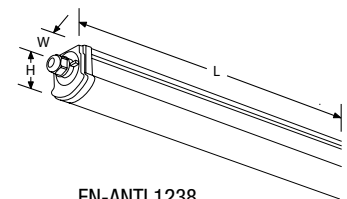
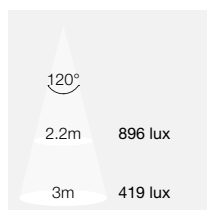
White

\*Add suffix **EM** for **Emergency** option available upon request

**55W 4000K 120°**



6600 Lumens



**EN-ANTL1238**

(L) 1227mm Length

(W) 67mm Width

(H) 70mm Height

**EN-ANTL1555**

(L) 1510mm Length

(W) 67mm Width

(H) 70mm Height

# LED HIGHBAY

**HIGH POWERED,  
IDEAL FOR RETROFIT**





NEW



Cosmos+™

79

**High Power 1-10V Aluminium Dimmable Highbay**

Up to 30600 lumens

**Delivering 180lm/W**

120° beam angle (standard)

Optional 60° and 90° lens available (sold separately)

Dotted lens

-40° to +50° working temperature

Safety cable + 1.5m AC wire

**Cosmost+™** **NEW**

**HIGH EFFICIENCY**

**LUMENS NOT WATTS**  
**LOWER ENERGY - SAME LUMENS**



Black finish



Shown with sensor (can be bought separately)



Side profile

**Specification**

Installation Type	Ring
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime L80B50	100000
CRI	80
IK Rating	IK10
IP Rating	IP65
Warranty	5 Years

Highbay

# High Power 1-10V Aluminium Dimmable Highbay

Cat. No.	Watts	lm/W	Lumens	Colour	Beam Angle	Net Weight
AA-HBB90-40	90W	180	16200lm	4000K	120°	3.0kgs
AA-HBB130-40	130W	180	23400lm	4000K	120°	3.0kgs
AA-HBB170-40	170W	180	30600lm	4000K	120°	3.5kgs

Colour :



Black

## Accessories

EN-HBD60A	60° lens for Cosmos+™ AA-HBB90 & AA-HBB130
EN-HBD60B	60° lens for Cosmos+™ AA-HBB170
EN-HBD90A	90° lens for Cosmos+™ AA-HBB90 & AA-HBB130
EN-HBD90B	90° lens for Cosmos+™ AA-HBB170
EN-HBDMB1	Mounting bracket for Cosmos+™ AA-HBB90 & AA-HBB130
EN-HBDMB2	Mounting bracket for Cosmos+™ AA-HBB170
EN-HBDMS	Microwave sensor for Cosmos+™
EN-HBDRC	Remote controller for Cosmos+™ microwave highbay
EN-HBD-AR-M	Aluminium reflector AA-HBB90 & AA-HBB130
EN-HBD-AR-L	Aluminium reflector AA-HBB170
EN-HBD-PR-M	Acrylic reflector AA-HBB90 & AA-HBB130
EN-HBD-PR-L	Acrylic reflector AA-HBB170



60° lens



90° lens



Mounting bracket

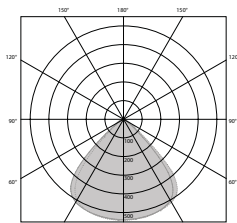


Microwave sensor

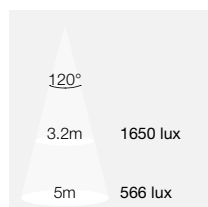


Aluminium & Acrylic Reflectors

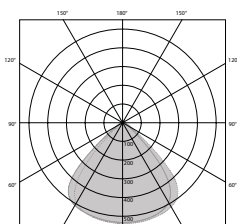
90W 4000K 120°



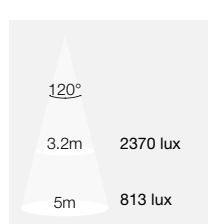
16200 Lumens



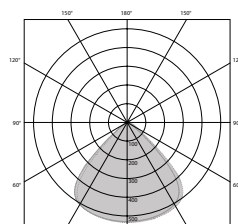
130W 4000K 120°



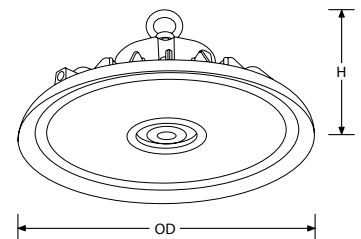
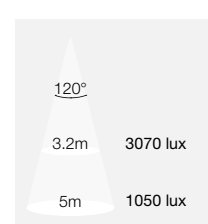
23400 Lumens



170W 4000K 120°



30600 Lumens



AA-HBB90

(H) 160mm Height  
(OD) 280mm Overall (Ø)

AA-HBB130

(H) 165mm Height  
(OD) 280mm Overall (Ø)

AA-HBB170

(H) 172mm Height  
(OD) 305mm Overall (Ø)

# LED BULKHEADS

ROBUST DESIGN,  
**EASY INSTALLATION**



NEW



HerculesCS™

83

NEW



TitanCS™

85



Utilite™

87



Utilite™

89

**Colour Selectable  
Aluminium LED Bulkheads**

Colour selectable between 3000K, 4000K and 5000K

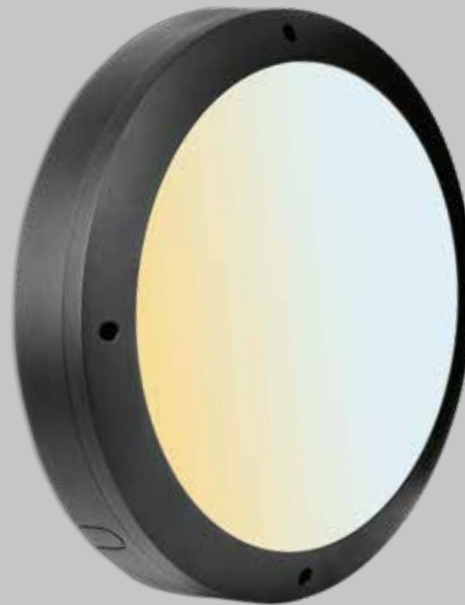
Delivering up to 110lm/W

Die cast aluminium body

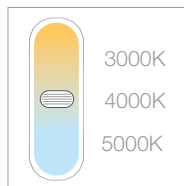
Rear entry access wiring compartment allows for easy installation

For ambient temperatures from -20° C to 45° C

**HerculesCS™** **NEW**



Available in white or black finish

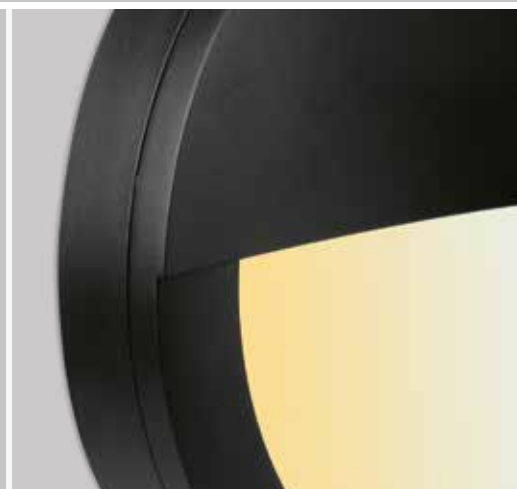


Colour selectable

Bulkheads



Eyelid version



**Specification**

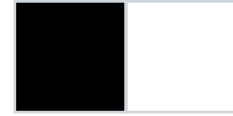
Installation Type	Surface
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate Lens
Lifetime	50000
CRI	80
IK Rating	IK10
IP Rating	IP65
Warranty	5 Years

**Colour Selectable  
Aluminium LED Bulkheads**

Cat. No.	Watts	lm/W	Lumens	Colour	Beam	Type
<b>AA-BHD18-CS*</b>	18W	up to 100	1800-1980lm	3000K, 4000K, 5000K	120°	Standard
<b>AA-BHDE18-CS*</b>	18W	up to 110	1620-1800lm	3000K, 4000K, 5000K	120°	Eyelid

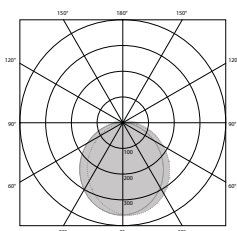
\*Add suffix **W** or **BLK** for White or Black finish

Colour options:

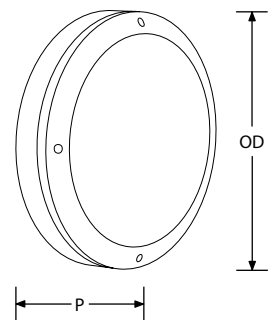
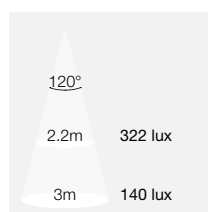


Black White

**18W 4000K 120°**



1800 Lumens



**AA-BHD18-CS**

(OD) 300mm Overall Ø

(P) 85mm Projection

**AA-BHDE18-CS**

(OD) 300mm Overall Ø

(P) 87mm Projection

**Colour Selectable  
Polycarbonate LED Bulkheads**

Colour selectable between 3000K,  
4000K & 5000K

Delivering up to 108lm/W

Rear entry access wiring  
compartment allows for easy  
installation

Eyelid accessory sold separately

For ambient temperatures from  
-20° C to 45° C

**TitanCS™** **NEW**



Available in white or black finish

**COLOUR  
SELECTABLE**



Colour selectable

Bulkheads



Show with eyelid accessory



**Specification**

Installation Type	Surface
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	50000
CRI	80
IK Rating	IK10
IP Rating	IP65
Warranty	3 Years

**Colour Selectable  
Polycarbonate LED Bulkheads**

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>AA-BHT18-CS*</b>	18W	up to 108	1650-1950lm	3000K, 4000K, 5000K	110°
<b>AA-BHT25-CS*</b>	25W	up to 103	2300-2580lm	3000K, 4000K, 5000K	110°
<b>AA-BHT-ACC*</b>	Eyelid accessory				

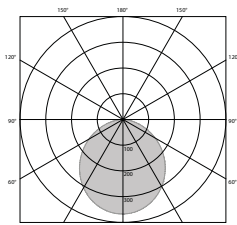
\*Add suffix **W** or **BLK** for White or Black finish

Colour options:

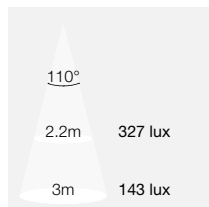


Black White

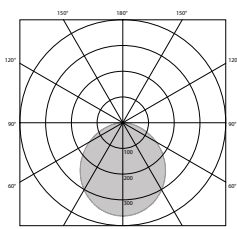
**18W 4000K 110°**



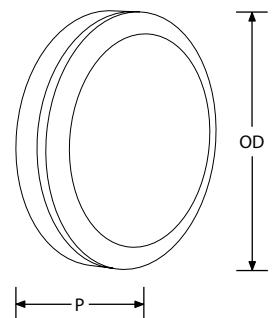
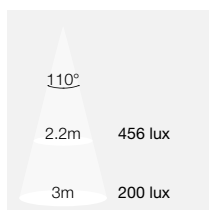
1950 Lumens



**25W 4000K 110°**



2580 Lumens



**AA-BHT18-CS**  
(OD) 275mm Overall Ø  
(P) 60mm Projection  
**AA-BHT25-CS**  
(OD) 275mm Overall Ø  
(P) 60mm Projection

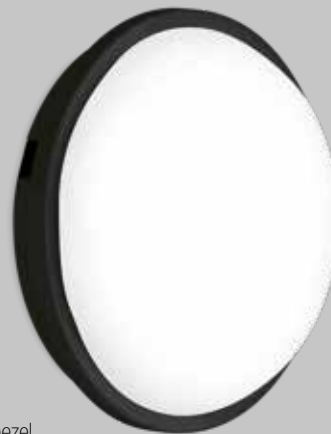
## Round Polycarbonate Utility LED Bulkheads

- Polycarbonate body and diffuser
- Delivering up to 106lm/W
- Pre-wired with 200mm cable
- Integrated driver for slim profile
- Interchangeable bezels (bezels do not sit flush to the wall)

Utilite™



White finish



Black bezel



### Specification

Installation Type	Surface
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	25000
CRI	80
IK Rating	IK06
IP Rating	IP65
Warranty	3 Years

## Round Polycarbonate Utility LED Bulkheads

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>EN-BH108-40</b>	8W	106	850lm	4000K	120°
<b>EN-BH115-40</b>	15W	103	1550lm	4000K	120°
<b>EN-BH120-40</b>	20W	103	2050lm	4000K	120°

Standard colour is white

### Accessories

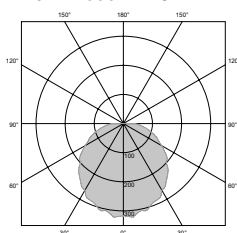
<b>EN-BZ115BLK</b>	Utilite™ 167mm Bezel Accessory for EN-BH115
<b>EN-BZ120BLK</b>	Utilite™ 221mm Bezel Accessory for EN-BH120

Bezel Colour Option:

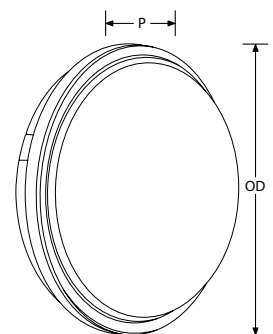
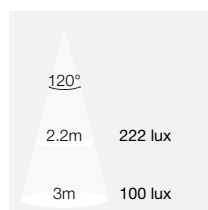


Black

**15W 4000K 120°**



1550 Lumens



**EN-BH108**

(OD) 167mm Overall Ø  
(P) 62mm Projection

**EN-BH115**

(OD) 167mm Overall Ø  
(P) 62mm Projection

**EN-BH120**

(OD) 221mm Overall Ø  
(P) 72mm Projection

## Oval Polycarbonate Utility LED Bulkheads

Polycarbonate housing & diffuser

Delivering up to 103lm/W

Interchangeable bezels

Bezels cover lens only

# Utilite™



White finish



Black bezel



### Specification

Installation Type	Surface
Input Voltage	220 - 240V
Luminaire Materials	Polycarbonate
Lifetime	25000
CRI	80
IK Rating	IK06
IP Rating	IP65
Warranty	3 Years

## Oval Polycarbonate Utility LED Bulkheads

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
EN-BH215-40	15W	103	1550lm	4000K	120°
EN-BH220-40	20W	103	2050lm	4000K	120°

Standard colour is white

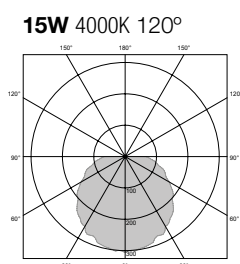
### Accessories

EN-BZ215BLK	Utilite™ 215 x 115mm Oval Bezel for EN-BH215
EN-BZ220BLK	Utilite™ 271 x 146mm Oval Bezel for EN-BH220

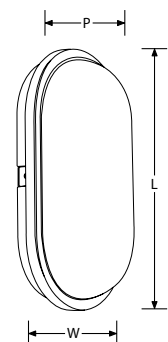
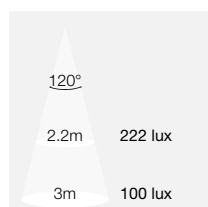
Bezel Colour  
Option:



Black



1550 Lumens



**EN-BH215**  
(L) 215mm Length  
(W) 115mm Width  
(P) 62mm Projection  
**EN-BH220**  
(L) 271mm Length  
(W) 146mm Width  
(P) 76mm Projection

# WALL LIGHTING

CLASSIC DESIGN,  
**HIGH PERFORMANCE**





NEW



WallE ProMax™

93

NEW



Comet™

95

## Up / Down Aluminium LED Wall Light

High powered, high lumen LED Up/Down wall light

COB

Delivering up to 119lm/W

Integrated driver

Flicker free

## Walle ProMax™ **NEW**



Black finish



Black bezel



COB light source

### Specification

Installation Type	Surface Wall Mount
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80
IK Rating	IK07
IP Rating	IP65
Warranty	3 Years

## Up / Down Aluminium LED Wall Light

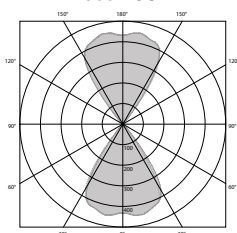
Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>AA-WLPM20-40</b>	20W (2 x 10W)	110	2200lm	4000K	36°
<b>AA-WLPM27-40</b>	27W (2 x 13.5W)	119	3200lm	4000K	36°

Colour:

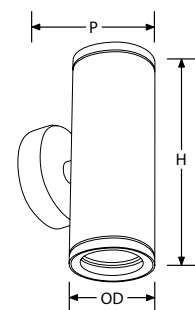
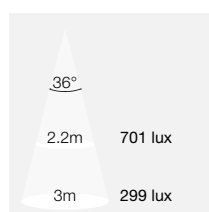


Black

**27W 4000K 36°**



**3200 Lumens**



**AA-WLPM20**

(L) 200mm Length  
(OD) 76mm Overall  
(P) 121mm Projection

**AA-WLPM27**

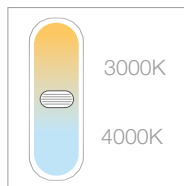
(L) 230mm Length  
(OD) 100mm Overall  
(P) 145mm Projection

**Colour Selectable  
Aluminium LED Wall Light**

2 CCT - Colour selectable  
between 3000K and 4000K

Delivering up to 100lm/W

Flicker free



Colour selectable



Black finish



Top view



Side profile

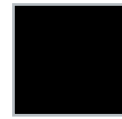
**Specification**

Installation Type	Surface Wall Mount
Input Voltage	220 - 240V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80
IK Rating	IK07
IP Rating	IP54
Warranty	3 Years

**Colour Selectable  
Aluminium LED Wall Light**

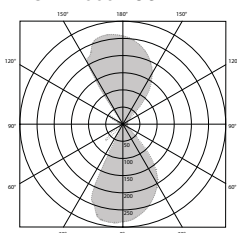
Cat. No.	Watts	lm/W	Lumens	Colour	Beam
<b>AA-WL10-CS</b>	10W	up to 100	400-500lm	3000K & 4000K	90°
<b>AA-WL18-CS</b>	18W	up to 100	720-900lm	3000K & 4000K	90°

Colour :

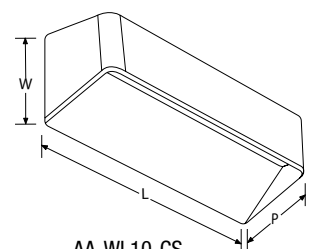
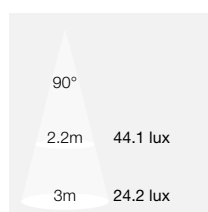


Black

**18W 4000K 90°**



900 Lumens



**AA-WL10-CS**

- (L) 150mm Length
- (W) 100mm Width
- (P) 92mm Projection

**AA-WL18-CS**

- (L) 300mm Length
- (W) 100mm Width
- (P) 92mm Projection

# LED FLOODLIGHTS

ROBUST DESIGN,  
**EASY INSTALLATION**





NEW



Sol™

99

NEW



Nebula™

101

## Aluminium Solar Floodlights

Improved battery life through  
combined use of remote control  
and microwave sensor functionality

Multi function remote control included

2000 times cycle life

Mono 6V solar panels

Brand new (not recycled)

LiFePO4 batteries

Charging time 4 - 5 hours

Operational time - 12+ hours

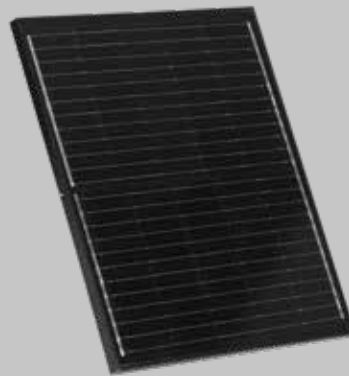
Microwave sensor built in - can be  
activated / de-activated by the remote  
control

Dimmable by remote control

Sol™ **NEW**



Aluminium solar floodlights



Solar panel for charging



Remote control

### Specification

Installation Type	Surface Mount
Input Voltage	100 - 277V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80
IK Rating	IK08
IP Rating	IP66
Warranty	3 Years

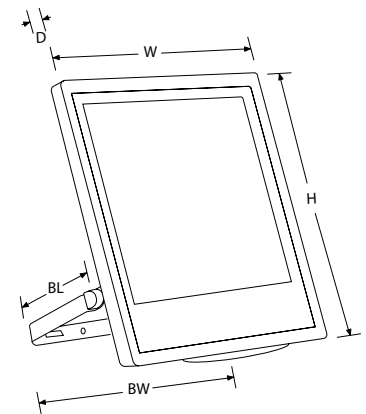
## Aluminium Solar Floodlights

Cat. No.	Lumens	Colour	Beam
AA-FLS2200-65	2200lm	6500K	90°
AA-FLS3000-65	3000lm	6500K	90°
AA-FLS3800-65	3800lm	6500K	90°

Colour :



Black



### AA-FLS2200

- (H) 200mm Height
- (W) 226mm Width
- (D) 45mm Depth
- (BL) 128mm Bracket Length
- (BW) 170mm Bracket Width

### AA-FLS3000

- (H) 280mm Height
- (W) 240mm Width
- (D) 45mm Depth
- (BL) 160mm Bracket Length
- (BW) 235mm Bracket Width

### AA-FLS3800

- (H) 280mm Height
- (W) 260mm Width
- (D) 45mm Depth
- (BL) 160mm Bracket Length
- (BW) 235mm Bracket Width

## High Powered Aluminium Floodlights

Aluminium housing for excellent heat dissipation

**Delivering 140lm/W**

Tempered prismatic glass lens cover

Pre-wired with 800mm of cable

**Suitable for inland use (contact your sales representative for marine grade options)**

**Nebula™** **NEW**

**HIGH EFFICIENCY**



High powered aluminium floodlight



Front view



Side profile

### Specification

Installation Type	Surface Mount
Input Voltage	185 - 265V
Luminaire Materials	Die Cast Aluminium
Lifetime	50000
CRI	80
IK Rating	up to IK07
IP Rating	IP65
Warranty	5 Years

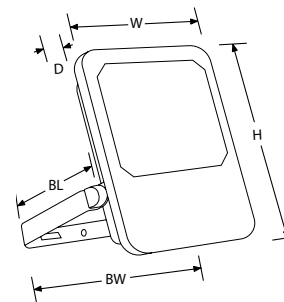
## High Powered Aluminium Floodlights

Cat. No.	Watts	lm/W	Lumens	Colour	Beam
AA-FLN10-50	10W	140	1400lm	5000K	100°
AA-FLN20-50	20W	140	2800lm	5000K	110°
AA-FLN30-50	30W	140	4200lm	5000K	110°
AA-FLN50-50	50W	140	7000lm	5000K	110°
AA-FLN100-50	100W	140	14000lm	5000K	110°
AA-FLN150-50	150W	140	21000lm	5000K	110°
AA-FLN200-50	200W	140	28000lm	5000K	110°

Colour :



Black



### AA-FLN10

(H) 100mm Height  
(W) 82mm Width  
(D) 34mm Depth  
(BL) 71mm Bracket Length  
(BW) 92mm Bracket Width

### AA-FLN20

(H) 125mm Height  
(W) 110mm Width  
(D) 34mm Depth  
(BL) 94mm Bracket Length  
(BW) 120mm Bracket Width

### AA-FLN100

(H) 251mm Height  
(W) 221mm Width  
(D) 47mm Depth  
(BL) 181mm Bracket Length  
(BW) 241mm Bracket Width

### AA-FLN30

(H) 160mm Height  
(W) 140mm Width  
(D) 40mm Depth  
(BL) 116mm Bracket Length  
(BW) 157mm Bracket Width

### AA-FLN150

(H) 295mm Height  
(W) 260mm Width  
(D) 46mm Depth  
(BL) 217mm Bracket Length  
(BW) 282mm Bracket Width

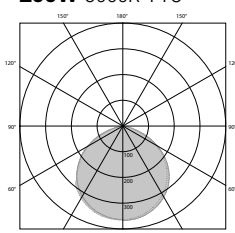
### AA-FLN50

(H) 186mm Height  
(W) 164mm Width  
(D) 40mm Depth  
(BL) 135mm Bracket Length  
(BW) 181mm Bracket Width

### AA-FLN200

(H) 327mm Height  
(W) 287mm Width  
(D) 50mm Depth  
(BL) 243mm Bracket Length  
(BW) 314mm Bracket Width

200W 5000K 110°



28000 Lumens



# STRIP LIGHTING

SET THE MOOD,  
**FOR MANY APPLICATIONS**





**NEW**



24V  
COB Eco

104-105

**NEW**



24V  
COB Pro

106-107

**NEW**



24V  
COB CX & RGBW

108-109

**NEW**



24V  
RGB & RGBCX

110-111

**NEW**



24V  
High Efficiency

112-113

**NEW**



48V  
Ultra Long

114-115

**NEW**



24V  
Low Wattage

116

**NEW**



24V  
Eco

117-118



Strip  
Channel

119

# STRIP LIGHTING

## 24V IP20 COB ECO Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 100lm/W

**Cut points every 50mm for maximum flexibility**

Beam angle of 120°

320 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

LEDline™ single colour strip connector



LEDline™ single colour wired strip connector



LEDline™ single colour inter-connection strip connector



# LEDline™ **NEW**



24V IP20 COB eco LED strip

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST88C-30</b>	8W	320	3000K	720lm	90
<b>AA-ST88C-40</b>	8W	320	4000K	760lm	95
<b>AA-ST88C-50</b>	8W	320	5000K	781lm	98
<b>AA-ST88C-65</b>	8W	320	6500K	802lm	100

### Accessories

<b>AA-ST88CA</b>	LEDline™ COB single colour strip connector
<b>AA-ST88CB</b>	LEDline™ COB single colour wired strip connector
<b>AA-ST88CC</b>	LEDline™ COB single colour inter-connection strip connector
<b>AA-ST88CD</b>	LEDline™ COB single colour 90° strip connector

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	4m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	6m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	8.5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	11.5m

**Max single run 5m**



**24V IP67 COB ECO  
Single Colour LED Strip**

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 100lm/W

**Cut points every 50mm for maximum flexibility**

Beam angle of 120°

320 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 10m



AA-STA10IP

**IP Rated kit includes:**

- 2 power leads
- 2 end caps
- 4 starter sleeves
- 1 tube of sealant
- 6 fixing clips
- 12 fixing screws

Requires soldering

**LEDline™** 



24V IP67 COB eco LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST108CIP-30</b>	8W	320	3000K	680lm	85
<b>AA-ST108CIP-40</b>	8W	320	4000K	720lm	90
<b>AA-ST108CIP-50</b>	8W	320	5000K	760lm	95
<b>AA-ST108CIP-65</b>	8W	320	6500K	800lm	100

**Accessories**

**AA-STA10IP** LEDline™ COB IP67 strip connector kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>SV-LPV-35-24</b>	35W non-dimmable IP67 24V constant voltage driver	4m
<b>SV-LPV-60-24</b>	60W non-dimmable IP67 24V constant voltage driver	7m
<b>SV-LPV-100-24</b>	100W non-dimmable IP67 24V constant voltage driver	10m

**Max single run 5m**



## 24V IP20 COB PRO Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 105lm/W

**Cut points every 46mm for maximum flexibility**

Beam angle of 120°

528 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

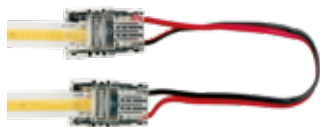
LEDline™ single colour strip connector



LEDline™ single colour wired strip connector



LEDline™ single colour inter-connection strip connector



# LEDline™ **NEW**



24V IP20 COB pro LED strip

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST10150C-30</b>	15W	528	3000K	1425lm	105
<b>AA-ST10150C-40</b>	15W	528	4000K	1500lm	100
<b>AA-ST10150C-50</b>	15W	528	5000K	1541lm	103
<b>AA-ST10150C-65</b>	15W	528	6500K	1582lm	105

### Accessories

<b>AA-ST10CA</b>	LEDline™ COB single colour strip connector
<b>AA-ST10CB</b>	LEDline™ COB single colour wired strip connector
<b>AA-ST10CC</b>	LEDline™ COB single colour inter-connection strip connector
<b>AA-ST10CD</b>	LEDline™ COB single colour 90° strip connector

Cat. No.	Description	Metres per driver
----------	-------------	-------------------

### LED Drivers

<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	2m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	3m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	4.5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	6m
<b>SV-LRS-150-24</b>	150W non-dimmable 24V constant voltage driver	9m

Max single run 5m



**24V IP67 COB PRO  
Single Colour LED Strip**

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 95lm/W

**Cut points every 46mm for maximum flexibility**

Beam angle of 120°

528 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 10m



AA-STA12IP

**IP Rated kit includes:**

- 2 power leads
- 2 end caps
- 4 starter sleeves
- 1 tube of sealant
- 6 fixing clips
- 12 fixing screws

Requires soldering

**LEDline™** 



24V IP67 COB pro LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST12150CIP-30</b>	15W	528	3000K	1275lm	85
<b>AA-ST12150CIP-40</b>	15W	528	4000K	1350lm	90
<b>AA-ST12150CIP-50</b>	15W	528	5000K	1387lm	92
<b>AA-ST12150CIP-65</b>	15W	528	6500K	1424lm	95

**Accessories**

**AA-STA12IP** LEDline™ COB IP67 strip connector kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>SV-LPV-35-24</b>	35W Non-Dimmable IP67 24V Constant Voltage Driver	2m
<b>SV-LPV-60-24</b>	60W Non-Dimmable IP67 24V Constant Voltage Driver	3.5m
<b>SV-LPV-100-24</b>	100W Non-Dimmable IP67 24V Constant Voltage Driver	6m
<b>SV-LPV-150-24</b>	150W Non-Dimmable IP67 24V Constant Voltage Driver	9m

**Max single run 5m**



**24V IP20 COB  
Colour Tuneable LED Strip**

Single colour flexible strip with 3M™ self adhesive backing

High efficiency at 94lm/W

**Cut points every 25mm for maximum flexibility**

Beam angle of 120°

640 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

**AA-STA10CA** LEDline™ COB single colour strip connector

**AA-STA10CB** LEDline™ COB single colour wired strip connector

**AA-STA10CC** LEDline™ COB single colour inter-connection strip connector

**AA-STA10CD** LEDline™ COB single colour 90° strip connector

Colour Tuneable



2700K

6500K

**LEDline™** **NEW**



24V IP20 COB colour tuneable LED strip

Strip Lighting



Contact our sales office for more information on CX strip controllers,  
Tel: +27 (0) 11 234 4878 or  
Email: info@aurora-africa.com



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST10160CCX</b>	16W	640	2700K & 6500K	1500lm combined	94 combined

**Accessories**

- AA-STA10CA** LEDline™ COB single colour strip connector
- AA-STA10CB** LEDline™ COB single colour wired strip connector
- AA-STA10CC** LEDline™ COB single colour inter-connection strip connector
- AA-STA10CD** LEDline™ COB single colour 90° strip connector

Cat. No.	Description	Metres per driver
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	2m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	3m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	4.5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	5.5m
<b>SV-LRS-150-24</b>	150W non-dimmable 24V constant voltage driver	8.5m
<b>SV-LRS-200-24</b>	150W non-dimmable 24V constant voltage driver	10m

**Max single run 5m**

## 24V IP20 COB RGBW LED Strip

COB RGBW flexible strip with 3M self adhesive backing

**Cut points every 63mm for maximum flexibility**

Beam angle of 120°

896 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

**AA-STA12CA** LEDline™ COB RGBW Strip Connector

**AA-STA12CB** LEDline™ COB RGBW wired strip connector

**AA-STA12CC** LEDline™ COB RGBW inter-connection strip connector

**AA-STA12CD** LEDline™ COB RGBW 90° strip connector

RGB Colour Changing



White Options



3000K

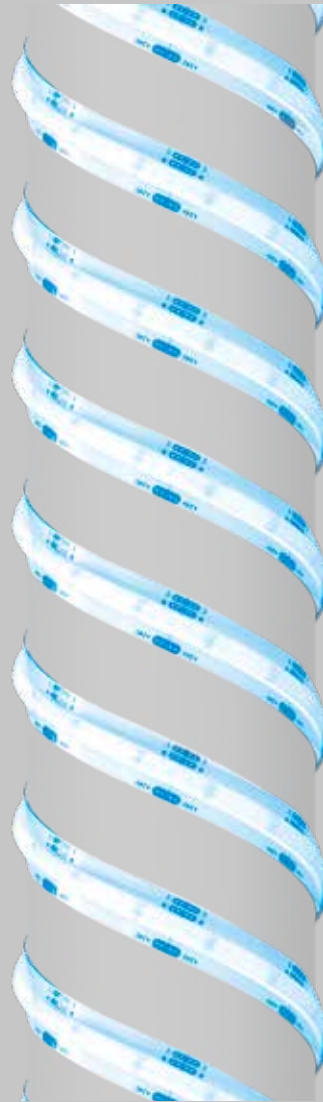
4000K



Contact our sales office for more information on RGBW strip controllers, Tel: +27 (0) 11 234 4878 or Email: [info@aurora-africa.com](mailto:info@aurora-africa.com)



**LEDline™** **NEW**



24V IP20 COB RGBW LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST12160CRGBW-30</b>	16W	896	3000K	640lm	40
<b>AA-ST12160CRGBW-40</b>	16W	896	4000K	combined	

### Accessories

<b>AA-STA12CA</b>	LEDline™ COB RGBW strip connector
<b>AA-STA12CB</b>	LEDline™ COB RGBW wired strip connector
<b>AA-STA12CC</b>	LEDline™ COB RGBW inter-connection strip connector
<b>AA-STA12CD</b>	LEDline™ COB RGBW single colour 90° strip connector

Cat. No.	Description	Metres per driver
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	2m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	3m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	4.5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	5.5m
<b>SV-LRS-150-24</b>	150W non-dimmable 24V constant voltage driver	8.5m
<b>SV-LRS-200-24</b>	200W non-dimmable 24V constant voltage driver	10m

**Max single run 5m**

**24V IP20  
RGB LED Strip**

High density colour changing flexible LED strip with 3M™ self adhesive backing

**Cut points every 100mm for maximum flexibility**

Beam angle of 120°

60 LEDs per metre

Programmable settings including static colours and colour changing modes

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

LEDline™ RGB strip connector



LEDline™ RGB strip connector



LEDline™ RGB inter-connection strip connector



RGB Colour Changing



**LEDline™**



24V IP20 RGB LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour
<b>EN-ST224RGB</b>	14.4W	60	RGB

**Accessories**

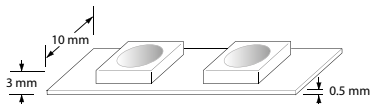
<b>EN-STRGBA</b>	LEDline™ RGB strip connector
<b>EN-STRGGB</b>	LEDline™ RGB wired strip connector
<b>EN-STRGBC</b>	LEDline™ RGB inter-connection strip connector

Cat. No.	Description	Metres per driver
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	2m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	3m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	6.5m
<b>SV-LRS-150-24</b>	150W non-dimmable 24V constant voltage driver	10m

**Max single run 5m**



Contact our sales office for more information on RGB strip controllers,  
Tel: +27 (0) 11 234 4878 or  
Email: info@aurora-africa.com



**24V IP20  
RGB + Tuneable White LED Strip**

High density RGB with tuneable white colour changing flexible LED strip with 3M™ self adhesive backing

**Cut points every 100mm for maximum flexibility**

Beam angle of 120°

60 LEDs per metre

RGB and tuneable white colour temperature between 2500-6500K

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length 30m

LEDline™ RGBCX strip connector



LEDline™ RGBCX wired strip connector



LEDline™ RGBCX inter-connection strip connector



RGB Colour Changing 



Colour Tuneable

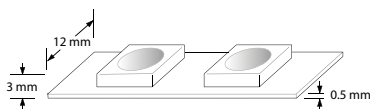


**2500K**

**6500K**



Contact our sales office for more information on RGBCX strip controllers,  
Tel: +27 (0) 11 234 4878 or  
Email: info@aurora-africa.com



**LEDline™**



24V IP20 RGB + tuneable LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour
<b>EN-ST80RGBCX</b>	24W	60	RGB + Tuneable White

**Accessories**

<b>EN-STRGBCXA</b>	LEDline™ RGBCX strip connector
<b>EN-STRGBCXB</b>	LEDline™ RGBCX wired strip connector
<b>EN-STRGBCXC</b>	LEDline™ RGBCX inter-connection strip connector

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	1m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	2.5m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	3.5m
<b>SV-LRS-150-24</b>	150W non-dimmable 24V constant voltage driver	5.5m
<b>SV-LRS-200-24</b>	200W non-dimmable 24V constant voltage driver	7.5m
<b>SV-LRS-350-24</b>	350W non-dimmable 24V constant voltage driver	10m

**Max single run 5m**

## 24V IP20 High Efficiency Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 153lm/W

Cut points every 33mm for maximum flexibility

Beam angle of 120°

240 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

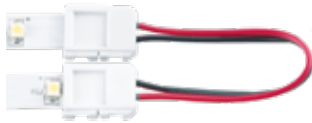
LEDline™ single colour strip connector



LEDline™ single colour wired strip connector



LEDline™ single colour inter-connection strip connector



LEDline™ **NEW**

**HIGH EFFICIENCY**

**CRI 90**



24V IP20 high efficiency LED strip

Strip Lighting

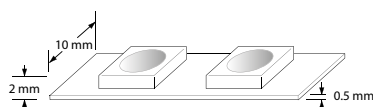
Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
AA-ST10150-30	15W	240	3000K	2025lm	135
AA-ST10150-40	15W	240	4000K	2175lm	145
AA-ST10150-50	15W	240	5000K	2234lm	149
AA-ST10150-65	15W	240	6500K	2294lm	153

### Accessories

AA-ST10SA	LEDline™ single colour strip connector
AA-ST10SB	LEDline™ single colour wired strip connector
AA-ST10SC	LEDline™ single colour inter-connection strip connector

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
SV-LRS-35-24	35W non-dimmable 24V constant voltage driver	2m
SV-LRS-50-24	50W non-dimmable 24V constant voltage driver	3m
SV-LRS-75-24	75W Non-Dimmable 24V constant voltage driver	4.5m
SV-LPV-100-24	100W non-dimmable 24V constant voltage driver	6m
SV-LPV-150-24	150W non-dimmable 24V constant voltage driver	9m

Max single run 5m



## 24V IP67 High Efficiency Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 137lm/W

Cut points every 50mm for maximum flexibility

Beam angle of 120°

160 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m



AA-STA12IP

### IP Rated kit includes:

- 2 power leads
- 2 end caps
- 4 starter sleeves
- 1 tube of sealant
- 6 fixing clips
- 12 fixing screws

Requires soldering

LEDline™ **NEW**

**HIGH EFFICIENCY**

**CRI 90**



24V IP67 high efficiency LED strip

Strip Lighting

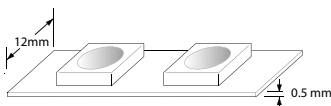
Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
AA-ST12110IP-30	11W	160	3000K	1320lm	120
AA-ST12110IP-40	11W	160	4000K	1430lm	130
AA-ST12110IP-50	11W	160	5000K	1469lm	135
AA-ST12110IP-65	11W	160	6500K	1508lm	137

### Accessories

AA-STA12IP LEDline™ IP67 strip connector kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
SV-LPV-35-24	35W non-dimmable IP67 24V constant voltage driver	3m
SV-LPV-60-24	60W non-dimmable IP67 24V constant voltage driver	5m
SV-LPV-100-24	100W non-dimmable IP67 24V constant voltage driver	8m
SV-LPV-150-24	150W non-dimmable IP67 24V constant voltage driver	12m

Max single run 5m



## 48V IP20 Ultra Long Single Colour LED Strip

Single colour flexible strip with 3M™  
self adhesive backing

High efficiency up to 127lm/W

Cut points every 125mm for  
maximum flexibility

Beam angle of 120°

112 LEDs per metre

Reel length of 30m

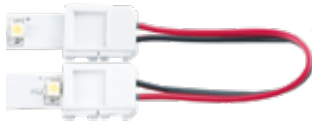
LEDline™ single colour  
strip connector



LEDline™ single colour wired  
strip connector



LEDline™ single colour inter-connection  
strip connector



# LEDline™ **NEW**

**HIGH  
EFFICIENCY**

**30M  
SINGLE  
RUN**

**48V**



48V IP20 ultra long LED strip

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
AA-ST1096UL-30	9.6W	112	3000K	1056lm	110
AA-ST1096UL-40	9.6W	112	4000K	1152lm	120
AA-ST1096UL-50	9.6W	112	5000K	1183lm	123
AA-ST1096UL-65	9.6W	112	6500K	1215lm	127

### Accessories

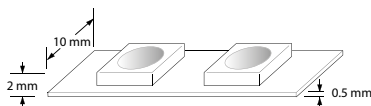
AA-STA10SA	LEDline™ single colour strip connector
AA-STA10SB	LEDline™ single colour wired strip connector
AA-STA10SC	LEDline™ single colour inter-connection strip connector

Cat. No.	Description	Metres per driver
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### LED Drivers

SV-LRS-100-48	100W non-dimmable 48V constant voltage driver	9m
SV-LRS-150-48	150W non-dimmable 48V constant voltage driver	14m
SV-LRS-200-48	200W non-dimmable 48V constant voltage driver	19m
SV-LRS-350-48	350W non-dimmable 48V constant voltage driver	30m

Max single run 30m



## 48V IP67 Ultra Long Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 114lm/W

**Cut points every 125mm for maximum flexibility**

Beam angle of 120°

112 LEDs per metre

Reel length of 30m



AA-STA12IP

### IP Rated kit includes:

- 2 power leads
  - 2 end caps
  - 4 starter sleeves
  - 1 tube of sealant
  - 6 fixing clips
  - 12 fixing screws
- Requires soldering

LEDline™ **NEW**

**30M  
SINGLE  
RUN**

**48V**



48V IP67 ultra long LED strip

Strip Lighting

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>AA-ST1096ULIP-30</b>	9.6W	112	3000K	960lm	100
<b>AA-ST1096ULIP-40</b>	9.6W	112	4000K	1035lm	108
<b>AA-ST1096ULIP-50</b>	9.6W	112	5000K	1063lm	111
<b>AA-ST1096ULIP-65</b>	9.6W	112	6500K	1092lm	114

### Accessories

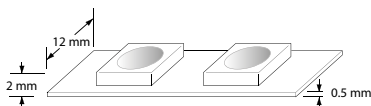
**AA-STA12IP** LEDline™ IP67 strip connector kit

Cat. No.	Description	Metres per driver
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### LED Drivers

<b>SV-LPV-100-48</b>	100W non-dimmable IP67 48V constant voltage driver	10m
<b>SV-LPV-150-48</b>	150W non-dimmable IP67 48V constant voltage driver	14m
<b>SV-HLG-240H-48</b>	240W dimmable IP67 48V constant voltage driver	23m
<b>SV-HLG-320H-48</b>	320W dimmable IP67 48V constant voltage driver	30m

**Max single run 30m**



## 24V IP20 Low Wattage Single Colour LED Strip

Single colour flexible strip with 3M™ self adhesive backing

High efficiency up to 153lm/W

Cut points every 100mm for maximum flexibility

Beam angle of 120°

80 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

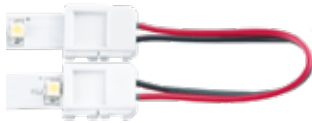
LEDline™ single colour strip connector



LEDline™ single colour wired strip connector



LEDline™ single colour inter-connection strip connector



LEDline™ **NEW**

**HIGH EFFICIENCY**



24V IP20 low wattage single colour LED strip

Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
AA-ST838-30	3.8W	80	3000K	513lm	135
AA-ST838-40	3.8W	80	4000K	551lm	145
AA-ST838-50	3.8W	80	5000K	566lm	149
AA-ST838-65	3.8W	80	6500K	581lm	153

### Accessories

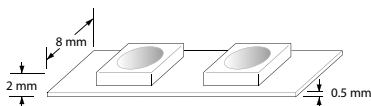
AA-STA8SA	LEDline™ single colour strip connector
AA-STA8SB	LEDline™ single colour wired strip connector
AA-STA8SC	LEDline™ single colour inter-connection strip connector

Cat. No.	Description	Metres per driver
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### LED Drivers

SV-LRS-35-24	35W non-dimmable 24V constant voltage driver	8m
SV-LRS-50-24	50W non-dimmable 24V constant voltage driver	12m
SV-LRS-75-24	75W non-dimmable 24V constant voltage driver	17m
SV-LRS-100-24	100W non-dimmable 24V constant voltage driver	23m

Max single run 5m



## 24V IP20 ECO Single Colour LED Strip

Single colour flexible led strip with 3M™ self adhesive backing

High efficiency up to 109lm/W

**Cut points every 50mm for maximum flexibility**

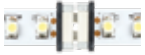
Beam angle of 120°

120 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m

LEDline™ single colour strip connector



LEDline™ single colour wired strip connector



LEDline™ single colour inter-connection strip connector



# LEDline™



24V IP20 eco LED strip

Strip Lighting

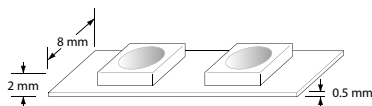
Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>EN-ST224-27</b>	9.6W	120	2700K	950lm	99
<b>EN-ST224-30</b>	9.6W	120	3000K	950lm	99
<b>EN-ST224-40</b>	9.6W	120	4000K	1020lm	106
<b>EN-ST224-BLU</b>	9.6W	120	Blue	-	-

### Accessories

<b>EN-ST224A</b>	LEDline™ single colour strip connector
<b>EN-ST224B</b>	LEDline™ single colour wired strip connector
<b>EN-ST224C</b>	LEDline™ single colour inter-connection strip connector

Cat. No.	Description	Metres per driver
<b>SV-LRS-35-24</b>	35W non-dimmable 24V constant voltage driver	3m
<b>SV-LRS-50-24</b>	50W non-dimmable 24V constant voltage driver	4.5m
<b>SV-LRS-75-24</b>	75W non-dimmable 24V constant voltage driver	7m
<b>SV-LRS-100-24</b>	100W non-dimmable 24V constant voltage driver	10m

**Max single run 5m**



**24V IP67 ECO  
Single Colour LED Strip**

Single colour flexible led strip with 3m™ self adhesive backing

High efficiency up to 109lm/W

**Cut points every 50mm for maximum flexibility**

Beam angle of 120°

120 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

Reel length of 10m



EN-STIPCKB

IP Rated kit includes:

- 2 power leads
  - 2 end caps
  - 4 heat shrink sleeves
  - 1 tube of sealant
  - 6 fixing clips
  - 12 fixing screws
- Requires soldering

**LEDline™**



24V IP67 LED strip

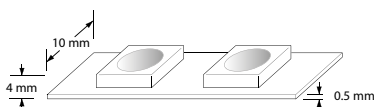
Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m	lm/W
<b>EN-ST324B-30</b>	9.6W	120	3000K	950lm	99
<b>EN-ST324B-40</b>	9.6W	120	4000K	1000lm	104
<b>EN-ST324B-BLU</b>	9.6W	120	Blue	-	-

**Accessories**

**EN-STIPCKB** LEDline™ IP67 strip connector kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>SV-LPV-35-24</b>	35W non-dimmable IP67 24V constant voltage driver	3m
<b>SV-LPV-60-24</b>	60W non-dimmable IP67 24V constant voltage driver	5.5m
<b>SV-LPV-100-24</b>	100W non-dimmable IP67 24V constant voltage driver	10m

**Max single run 5m**



# LED Strip Channel Accessories

Aluminium channel offers a choice of recessed, surface and corner mount options. With limitless applications, the channel is ideal for use with the Aurora LED strip for living rooms, cove lighting or under counter tops.

Contact your local sales representative or our friendly sales team via telephone +27 (0) 11 234 4878 or email: [info@aurora-africa.com](mailto:info@aurora-africa.com) or visit [auroralighting.co.za](http://auroralighting.co.za)

Please note: strip connectors do not fit inside the channel

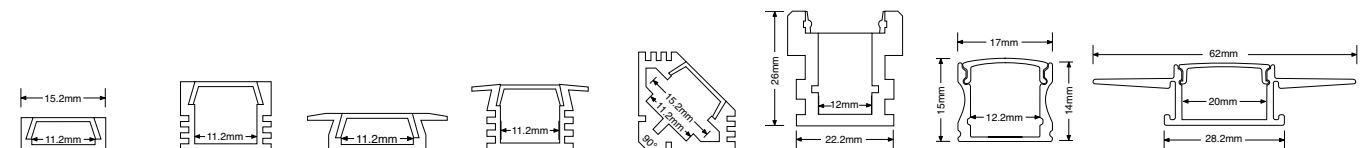
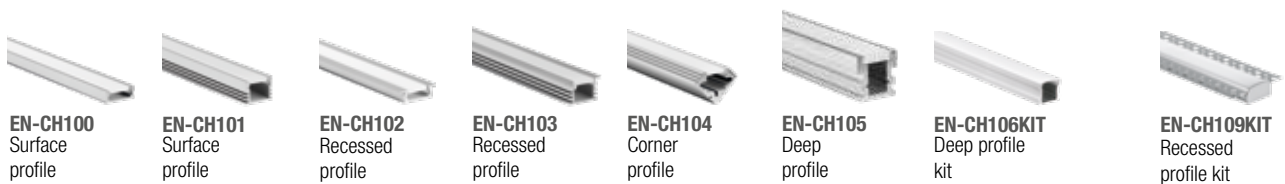
## Channel + Strip Compatibility

Channel	Frosted/Clear Diffuser	End Caps Without Cable Entry	End Caps With Cable Entry	Mounting Clip
EN-CH100*	EN-CHPC1CL* EN-CHPC1FR*	EN-CH100EC1	EN-CH100EC2	EN-CHC1
EN-CH101*	EN-CHPC1CL* EN-CHPC1FR*	EN-CH101EC1	EN-CH101EC2	EN-CHC1
EN-CH102*	EN-CHPC1CL* EN-CHPC1FR*	EN-CH102EC1	EN-CH102EC2	-
EN-CH103*	EN-CHPC1CL* EN-CHPC1FR*	EN-CH103EC1	EN-CH103EC2	-
EN-CH104*	EN-CHPC1CL* EN-CHPC1FR*	EN-CH104EC1	EN-CH104EC2	EN-CHC2
EN-CH105*†	EN-CHPC2FR*	EN-CH105EC1	EN-CH105EC2	-
EN-CH106*KIT	Diffuser, end caps and mounting clips included			
EN-CH109*KIT	Diffuser and end caps included			

\*Add suffix 1 or 2 for 1m or 2m lengths

EN-CH105 available with frosted cover only

†Diffuser requires securing with a silicon sealant (not included).



AA-ST88C	P.104	AA-ST88C	P.104	AA-ST88C	P.104	AA-ST88C	P.104	AA-ST88C	P.104	AA-ST88C	P.104	AA-ST88C	P.104
AA-ST108CIP	P.105	AA-ST108CIP	P.105	AA-ST108CIP	P.105	AA-ST108CIP	P.105	AA-ST108CIP	P.105	AA-ST108CIP	P.105	AA-ST108CIP	P.105
AA-ST1015C	P.106	AA-ST1015C	P.106	AA-ST1015C	P.106	AA-ST1015C	P.106	AA-ST1015C	P.106	AA-ST1015C	P.106	AA-ST1015C	P.106
AA-ST10160CCX	P.108	AA-ST10160CCX	P.108	AA-ST10160CCX	P.108	AA-ST10160CCX	P.108	AA-ST10160CCX	P.108	AA-ST12150CIP	P.107	AA-ST12150CIP	P.107
EN-ST224RGB	P.110	EN-ST224RGB	P.110	EN-ST224RGB	P.110	EN-ST224RGB	P.110	EN-ST224RGB	P.110	AA-ST10160CCX	P.108	AA-ST10160CCX	P.108
AA-ST10150	P.112	AA-ST10150	P.112	AA-ST10150	P.112	AA-ST10150	P.112	AA-ST10150	P.112	AA-ST12160RGBW	P.109	AA-ST12160RGBW	P.109
AA-ST1096UL	P.114	AA-ST1096UL	P.114	AA-ST1096UL	P.114	AA-ST1096UL	P.114	AA-ST1096UL	P.114	EN-ST224RGB	P.110	EN-ST224RGB	P.110
AA-ST838	P.116	AA-ST838	P.116	AA-ST838	P.116	AA-ST838	P.116	AA-ST838	P.116	EN-ST80RGBCX	P.111	EN-ST80RGBCX	P.111
EN-ST224	P.117	EN-ST224	P.117	EN-ST224	P.117	EN-ST224	P.117	EN-ST224	P.117	AA-ST10150	P.112	AA-ST10150	P.112
EN-ST324B	P.118	EN-ST324B	P.118	EN-ST324B	P.118	EN-ST324B	P.118	EN-ST324B	P.118	AA-ST12110IP	P.113	AA-ST12110IP	P.113
										AA-ST1096UL	P.114	AA-ST1096UL	P.114
										AA-ST1096ULIP	P.115	AA-ST1096ULIP	P.115
										AA-ST838	P.116	AA-ST838	P.116
										EN-ST224	P.117	EN-ST224	P.117
										EN-ST324B	P.118	EN-ST324B	P.118

Please note: strip connectors do not fit inside the channel.

# Emergency Lighting

EMERGENCY SOLUTIONS,  
**FOR CRITICAL MOMENTS**



A408

**NEW**



Emergency Downlight

122

**NEW**



Emergency Downlight

123

**NEW**



Ceiling/Wall Mount

124

**NEW**



Recessed Mount

124

**NEW**



Suspension Mount

124

**NEW**



Track Mount

124

**NEW**



Track Light

125

**Recessed LED  
Emergency Downlight**

Auto Test

55mm/ 80mm/ 140mm trim plate  
for different cutouts

Round/ oval interchangeable lens -  
round lens for open areas, oval lens  
for escape routes

Stand alone emergency fitting

Non-maintained

3 Hour backup duration

Accessories sold separately

**Emergency** **NEW**



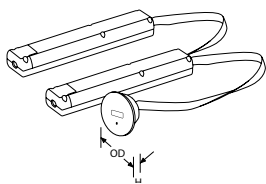
AA-EMLD2A emergency downlight



AA-EMLD2A emergency downlight



AA-EMLD2ACC trim plate



**AA-EMLD2A**

(H) 30mm Height  
(OD) 55mm Overall (Ø)  
(CO) 42-50mm Cutout (Ø)

**Specification**

Installation Type	Recessed
Input Voltage	200 - 240V
Luminaire Materials	Die Cast Aluminium, Polycarbonate
Lifetime	50000
Battery	LiFePO4 6.4V 1500mAh
Test Function	Auto Test
Warranty Fitting	5 Years
Warranty Battery	3 Years

Cat. No.	Watts	Lumens	Colour
<b>AA-EMLD2A</b>	3.5W	220lm	5000K

**Accessories**

<b>AA-EMLD2ACC80</b>	80mm Trim plate
<b>AA-EMLD2ACC140</b>	140mm Trim plate

## Recessed LED Emergency Downlight

Auto test

Innovative downlight with modular design

Surface/ recessed mounting 2 in 1

Round / oval interchangeable lens

Round lens for open areas,

Oval lens for escape route

High-efficiency Samsung LED delivers exceptional brightness

3 Hour backup duration

Non-maintained

Surface accessory sold separately

# Emergency **NEW**



AA-EMDL6 emergency downlight

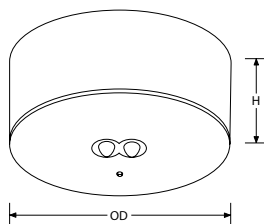


AA-EMDL6 front view



AA-EMDL6 shown with AA-EMDL6ACC

Emergency Lighting



### AA-EMDL6

(H) 55mm Height

(OD) 140mm Overall (Ø)

(CO) 115-130mm Cutout (Ø)

### Specification

Installation Type	Recessed
Input Voltage	200 - 240V
Luminaire Materials	Polycarbonate
Lifetime	50000
Battery	LiFePO4 9.6V 1500mAh
Test Function	Auto Test
Warranty Fitting	5 Years
Warranty Battery	3 Years

Cat. No.                      Watts      Lumens      Colour

**AA-EMDL6**                      6W      450lm      5000K

### Accessories

**AA-EMDL6ACC**                      Surface mount kit for AA-EMDL6

## Adjustable Ceiling/Wall Mounted Emergency Exit Signs

### Auto test

Featuring a 180° rotatable design for flexibility

Constructed with a PC housing and PMMA board

Offers various mounting options to meet diverse needs

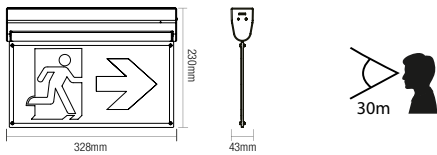
Includes an energy-saving cinema mode ideal for theatre and cinema applications

3 Hour backup duration

Non Maintained

Accessories sold separately

### Dimensions



### Legend Options:



AA-EMA328P-R

AA-EMA328P-L



AA-EMA328P-D

AA-EMA328P-U



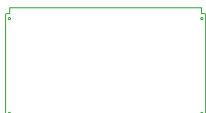
AA-EMA328P-UR

AA-EMA328P-DR



AA-EMA328P-UL

AA-EMA328P-DL



AA-EMA328P-W

## Emergency NEW



Vertical  
Rotation



AA-EM3283 adjustable surface mount



Recessed  
Mounted



AA-EM3283 + AA-EMA328REC



Suspension Mount



AA-EM3283 + AA-EMA3283SUS



Track Mounted



AA-EM3283 + AA-EMA328TRA

### Specification

Installation Type	Wall / Ceiling Mount
Input Voltage	200 - 240VAC
Luminaire Materials	PC and PMMA Board
Lifetime	50000
Battery	LiFePO4 3.2V 1500mAh
Test Function	Auto Test
Warranty Fitting	5 Years
Warranty Battery	3 Years

Cat. No.	Watts	Colour
AA-EM3283	1W	6000K

### Accessories

AA-EMA328REC	Recessed mount
AA-EMA328SUS	Pendant mount
AA-EMA328TRA	Track mount

## Recessed Mounted For Emergency Exit Signs

Auto test

Compatible with 4-wire 3-circuit tracks

Switchable between maintained and non-maintained modes

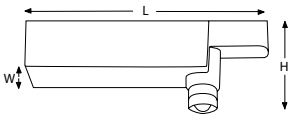
Seamlessly integrates into current track lighting setups

Ideal for commercial spaces like galleries, museums, clothing and jewellery stores, etc.

3 Hour backup duration

Accessories sold separately

### Dimensions



#### AA-EM2124

(L) 232mm Length

(W) 63mm Width

(H) 114mm Height

## Emergency **NEW**



Track Mounted



AA-EM2124 with 30° as standard



AA-EM2124-BLK front view



AA-EM212ACC 140° wide beam lens accessory

### Specification

Installation Type	Track Mount
Input Voltage	200 - 240VAC
Luminaire Materials	Polycarbonate
Lifetime	50000
Battery	LiFePO4 6.4V 1500mAh
Test Function	Auto Test
Warranty Fitting	5 Years
Warranty Battery	3 Years

Cat. No.	Watts	Lumens	Colour	Beam
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<b>AA-EM2124*</b>	2W	220lm	5000K	30°
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\*Add suffix **W** or **BLK** for White or Black finish

### Accessories

<b>AA-EM212ACC</b>	140° wide beam lens accessory
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# POWER & CONTROL

## 24V POWER SOLUTIONS





24V & 48V  
Non-Dimmable

128



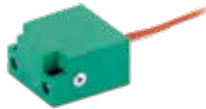
24V  
Non-Dimmable

129



24V & 48V IP67  
Non-Dim & Dim

130



350W  
Bell Press Dimmer

131



500W  
Bell Press Dimmer

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0-10V  
Shuttle Dimmer

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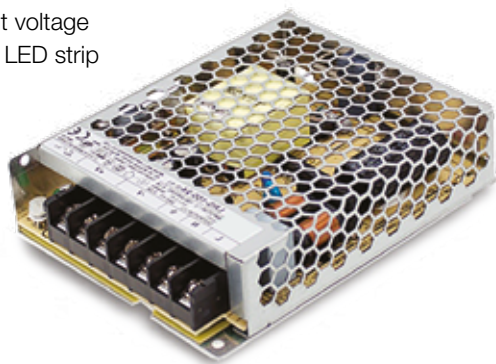
5A  
Cord Set

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## 24V / 48V Constant Voltage Non-Dimmable LED Drivers

A comprehensive range of 24V & 48V constant voltage LED drivers for use with Aurora Lighting Africa LED strip

5 year warranty



Cat. No.	Description	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>Non-Dimmable 24V</b>						
SV-LRS-35-24	35W 24V	85-264VAC	24V	35W	-30~+70°C	99 x 82 x 30mm
SV-LRS-50-24	50W 24V	85-264VAC	24V	50W	-30~+70°C	99 x 82 x 30mm
SV-LRS-75-24	75W 24V	85-264VAC	24V	75W	-30~+70°C	99 x 97 x 30mm
SV-LRS-100-24	100W 24V	85-264VAC	24V	100W	-30~+70°C	129 x 97 x 30mm
SV-LRS-150-24	150W 24V	85-264VAC	24V	150W	-30~+70°C	159 x 97 x 30mm
SV-LRS-200-24	200W 24V	85-264VAC	24V	200W	-30~+70°C	215 x 115 x 30mm
SV-LRS-350-24	350W 24V	85-264VAC	24V	350W	-30~+70°C	215 x 115 x 30mm
<b>Non-Dimmable 48V</b>						
SV-LRS-100-48	100W 48V	85-264VAC	48V	100W	-30~+70°C	129 x 97 x 30mm
SV-LRS-150-48	150W 48V	85-264VAC	48V	150W	-30~+70°C	159 x 97 x 30mm
SV-LRS-200-48	200W 48V	85-264VAC	48V	200W	-30~+70°C	215 x 115 x 30mm
SV-LRS-350-48	350W 48V	85-264VAC	48V	350W	-30~+70°C	215 x 115 x 30mm

## 24V Constant Voltage Non-Dimmable LED Drivers

A comprehensive range of 24V constant voltage  
LED drivers for use with Aurora Lighting Africa LED strip

**5 year warranty**



Cat. No.	Description	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>Non-Dimmable IP67 24V</b>						
<b>SV-LPV-35-24</b>	35W IP67 24V	90-264VAC	24V	35W	-25~+70°C	148 x 40 x 30mm
<b>SV-LPV-60-24</b>	60W IP67 24V	90-264VAC	24V	60W	-25~+70°C	163 x 43 x 32mm
<b>SV-LPV-100-24</b>	100W IP67 24V	90-264VAC	24V	100W	-25~+70°C	190 x 52 x 37mm
<b>SV-LPV-150-24</b>	150W IP67 24V	180-305VAC	24V	150W	-25~+70°C	191 x 63 x 38mm
<b>Non-Dimmable 24V</b>						
<b>SV-APV-12-24</b>	12W 24V	90-264VAC	24V	12W	-30~+70°C	77 x 40 x 29mm
<b>SV-APV-16-24</b>	16W 24V	90-264VAC	24V	16W	-30~+70°C	77 x 40 x 29mm
<b>SV-APV-25-24</b>	25W 24V	90-264VAC	24V	25W	-30~+70°C	84 x 57 x 30mm

## 24V / 48V IP67 Constant Voltage Non-Dimmable and Dimmable LED Drivers

A comprehensive range of 24V & 48V constant voltage IP67 LED drivers for use with Aurora Lighting Africa LED strip.

5 year warranty

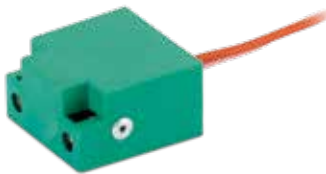


Cat. No.	Description	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>Non-Dimmable IP67 24V</b>						
SV-ELG-150-24A	150W IP67 24V	100-305VAC	24V	150W	-40~+90°C	219 x 63 x 36mm
SV-ELG-200-24A	200W IP67 24V	100-305VAC	24V	200W	-40~+90°C	244 x 71 x 38mm
SV-ELG-240-24A	240W IP67 24V	100-305VAC	24V	240W	-40~+90°C	244 x 71 x 38mm
SV-ELG-300-24A	300W IP67 24V	100-305VAC	24V	300W	-40~+90°C	246 x 77 x 40mm
SV-LPV-35-24	35W IP67 24V	90-264VAC	24V	35W	-25 ~+70°C	148 x 40 x 30mm
SV-LPV-60-24	60W IP67 24V	90-264VAC	24V	60W	-25~+70°C	163 x 43 x 32mm
SV-LPV-100-24	100W IP67 24V	90-264VAC	24V	100W	-25~+70°C	190 x 52 x 37mm
SV-LPV-150-24	150W IP67 24V	90-264VAC	24V	150W	-25~+70°C	191 x 63 x 38mm
<b>Non-Dimmable IP67 48V</b>						
SV-LPV-100-48	100W IP67 48V	90-264VAC	48V	100W	-25~+70°C	190 x 52 x 37mm
SV-LPV-150-48	150W IP67 48V	90-264VAC	48V	150W	-25~+70°C	191 x 63 x 38mm
<b>Dimmable IP67 24V</b>						
SV-ELG-150-24B	150W IP67 24V	100-305VAC	24V	150W	-40~+90°C	219 x 63 x 40mm
SV-ELG-200-24B	200W IP67 24V	100-305VAC	24V	200W	-40~+90°C	244 x 71 x 38mm
SV-ELG-240-24B	240W IP67 24V	100-305VAC	24V	240W	-40~+90°C	244 x 71 x 38mm
SV-ELG-300-24B	300W IP67 24V	100-305VAC	24V	300W	-40~+90°C	246 x 77 x 40mm
<b>Dimmable IP67 48V</b>						
SV-HLG-240H-48	240W IP67 48V	90-305VAC	48V	240W	-40~+90°C	244 x 68 x 39mm
SV-HLG-320H-48	320W IP67 48V	90-305VAC	48V	320W	-40~+90°C	252 x 90 x 44mm

## Bell Press Dimmers

Trailing Edge Dimming  
 Active Load Sensing  
 Robust active short-circuit protection  
 Over temperature protection  
 Smooth Dimming

### Intellibus triac dimmer



**SV-TRI-IBTE350PB**  
 Intellibus 350W Bell Press Dimmer  
**3 Year Warranty**

### Shuttle bell press triac dimmer



**MINI-T-LED-125W**  
 Shuttle 125W Bell Press Dimmer  
**SDIM-T-LED-500W**  
 Shuttle 500W Bell Press Dimmer  
**SDIM-T-LED-800W**  
 Shuttle 800W Bell Press Dimmer  
**2 Year Warranty**

### Shuttle 0-10V, 1-10V & 10V PWM dimmer

Can control up to 100 fittings  
 Full range adjustment control



**SDIMR-1-10V-1800VA**

### Cord Set

Supplied with 5Amp plug  
 3 metre lead attached



**AC5053WE3 - White**  
**AC5053WE3-BLK - Black**  
 5A cord set

Cat. No.	Description
<b>SV-TRI-IBTE350PB</b>	Intellibus 350W bell press dimmer
<b>MINI-T-LED-125W</b>	Shuttle 125W bell press dimmer
<b>SDIM-T-LED-500W</b>	Shuttle 500W bell press dimmer
<b>SDIM-T-LED-800W</b>	Shuttle 800W bell press dimmer
<b>SDIMR-1-10V-1800VA</b>	Shuttle 0-10V, 1-10V & 10V PWM dimmer
<b>AC5053WE3</b>	White 5A cord set
<b>AC5053WE3-BLK</b>	Black 5A cord set

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AA-ANT12WSF-CCT3MS	67	AA-BDL367-40W	15	AA-DDLB101-30BLK	27
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AA-BDDL367-40BLK	15	AA-BDL6817-30W	15	AA-DLA8	11
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AA-DLR630-40W	23	AA-FLN50-50	101	AA-ST1096ULIP-65	115
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