

VISION

ILLUMINATION

OFF-GRID PRODUCT BROCHURE



Vision Illumination is a dynamic company specialising in innovative lighting solutions designed to meet the unique needs of various industries. Founded in 2009, Vision has established itself as a leader in the development and manufacturing of high-quality, energy-efficient lighting products for commercial, domestic, and industrial applications. Their product range is designed to provide both on-grid and off-grid lighting solutions, ensuring their clients benefit from cost-effective, sustainable, and cutting-edge technology.

As the company moves towards a fully off-grid future by 2030, Vision Illumination continues to set industry standards by offering solutions that prioritise energy efficiency, environmental responsibility, and long-term performance. Servicing clients such as local authorities, tier one contractors, house builders and commercial & industrial businesses across multiple sectors, Vision focuses on delivering bespoke solutions that comply with the highest standards, including BS5489 for street lighting.

Vision Illumination is proud of its UK-based design and testing processes, which focus on eliminating waste and maximising energy savings. Their commitment to innovation, sustainability, and customer service ensures that every project they undertake is a step toward a cleaner, more energy-conscious future.

With Vision, there are *no more grey areas*—only clear, smart, and sustainable lighting solutions.





At Vision Illumination, environmental stewardship is central to our mission. We are deeply committed to providing lighting solutions that not only deliver top-tier performance but also promote sustainability and energy conservation. As we work towards transitioning to fully off-grid lighting by 2030, we are continually striving to reduce our environmental footprint through thoughtful design and innovation.



SUSTAINABILITY INITIATIVES

Our sustainability initiatives are rooted in the development of energy-efficient lighting technologies that reduce overall energy consumption and carbon emissions. From the early design stages to the final installation, we carefully consider the life cycle of our products to minimise waste and maximise environmental benefits. Our solutions help clients meet their sustainability goals by reducing energy costs and contributing to cleaner, greener communities.

ENERGY-SAVING EFFORTS

We incorporate advanced energy-saving technologies into our lighting products, ensuring that they operate at maximum efficiency with minimal environmental impact. From LED systems that use a fraction of the energy of traditional lighting to smart controls that allow for automated dimming and adaptive lighting based on real-time conditions, we help our clients reduce their energy consumption and greenhouse gas emissions.

LIGHT POLLUTION REDUCTION

Vision Illumination is conscious of the effects of light pollution, particularly in urban and natural environments. To address this, our products are designed with advanced optics that limit skyglow, reduce glare, and prevent unnecessary light spill. This ensures that light is directed precisely where it is needed, improving visibility and safety without disrupting surrounding ecosystems or community nightscapes.

ECO-FRIENDLY CERTIFICATIONS AND PRACTICES

Our commitment to sustainability extends to every aspect of our business. We adhere to stringent environmental standards and strive to meet or exceed industry certifications for energy efficiency and environmental responsibility. Our manufacturing processes prioritise the use of recyclable and eco-friendly materials, further supporting our goal of reducing waste and contributing to a circular economy.

A FUTURE FULLY OFF-GRID

As we move toward a fully off-grid future, Vision Illumination is at the forefront of innovation in renewable energy-powered lighting solutions. Our vision for 2030 is to lead the industry in providing clean, off-grid lighting that reduces reliance on traditional energy sources. By embracing solar and other renewable energy technologies, we are making significant strides in transforming the way lighting is delivered, ensuring a sustainable future for generations to come.

PROJECT IN FOCUS I

TRAFFORD WHARF

Although the task of supplying Trafford Wharf with an energy-saving alternative to its 150w globes was relatively simple, we were honoured to have the opportunity to re-light such an impressive development.

150 Version 1 luminaires now illuminate the Wharf-side location, providing a cleaner, whiter, directional light than their predecessors.

Iconic structure such as the Lowry footbridge, the Imperial War Museum and BBC Media City already grace the former Manchester Ship Canal, transforming the area into a visual kaleidoscope of architecture, heritage, leisure and enterprise.

Saving £7500.00 of energy costs per year.





At Vision Illumination, innovation drives everything we do. We're committed to pushing the boundaries of lighting technology, continually improving efficiency, sustainability, and performance. Our goal is to deliver cutting-edge solutions that align with the future of off-grid energy.

OFF-GRID TECHNOLOGY

One of our core focuses is off-grid powered lighting. By integrating cutting-edge solar panel technology with the TITANVOLT battery, we capture and store clean, renewable solar energy to power our luminaires efficiently. The solar panels are designed to maximise energy capture, even in low-light conditions, while the TITANVOLT battery stores this energy, enabling the light to be fully self-sufficient. This off-grid system provides a sustainable, cost-effective lighting solution for exterior applications, significantly reducing energy costs and environmental impact.



LED LIGHTING TECHNOLOGY

Our commitment to sustainability is also reflected in the LED technology we use. LEDs are highly energy-efficient, using up to 75% less energy than traditional lighting systems. They have a longer lifespan, which reduces maintenance costs and waste. Each LED component is designed for optimal brightness and longevity, providing excellent illumination with minimal energy consumption. Combined with our smart lighting controls, these LEDs can adapt to varying conditions, further improving efficiency and performance.

INNOVATION

While we use the latest technologies in all our products, we never stop looking for ways to innovate. Our team of experts is constantly researching and developing new solutions to stay ahead of industry trends. We believe in creating products that not only meet today's needs but are ready for the challenges of tomorrow. Whether it's improving our solar panel efficiency or optimising LED performance, we are always striving to elevate our technology.

A SUSTAINABLE FUTURE

Sustainability drives every aspect of our design and manufacturing processes. As we continue to expand our off-grid solutions, we are fully committed to making all our products entirely off-grid by 2030. This vision will help reduce dependency on traditional power grids, contributing to a greener, more sustainable future.



BLENDING TRADITION WITH INNOVATION

We were asked to update the beautiful traditional lanterns in Newcastle's Chinatown with a more sustainable and practical solution. Our team developed a custom-fit retrofit plate featuring advanced LED lighting technology, preserving the charm of the original lanterns while vastly improving their efficiency. This seamless combination of old-world aesthetics and modern technology offers the perfect solution for better, sustainable lighting.



Discover our advanced off-grid lighting solutions, designed for efficient, sustainable, and eco-friendly illumination. By harnessing renewable energy and using state-of-the-art technology, our products reduce dependency on traditional power sources. With solar panels, sustainable materials, intelligent energy storage, and remote management, our solutions offer a modern approach to lighting.

RECYCLED BIOPLASTIC

Constructed with eco-friendly, recycled bioplastic, this lighting solution minimises waste and reduces reliance on traditional plastics, supporting a more sustainable future while maintaining durability and strength.

SOLAR PANEL

Equipped with a high-efficiency solar panel, it harnesses renewable energy directly from the sun, providing clean, sustainable power with zero emissions for lighting that's truly off-grid.

WIND TURBINE

The optional Leading Edge wind turbine provides extra renewable energy, ensuring continuous off-grid lighting even in low-sunlight conditions. This dual-energy approach maximises efficiency and reliability for sustainable lighting solutions.

TITANVOLT BATTERY

Powered by the TITANVOLT battery, this system stores energy reliably, delivering consistent illumination even during cloudy days. With a 20-year warranty, the TITANVOLT battery is safe, resilient, and designed for peak performance in any climate.

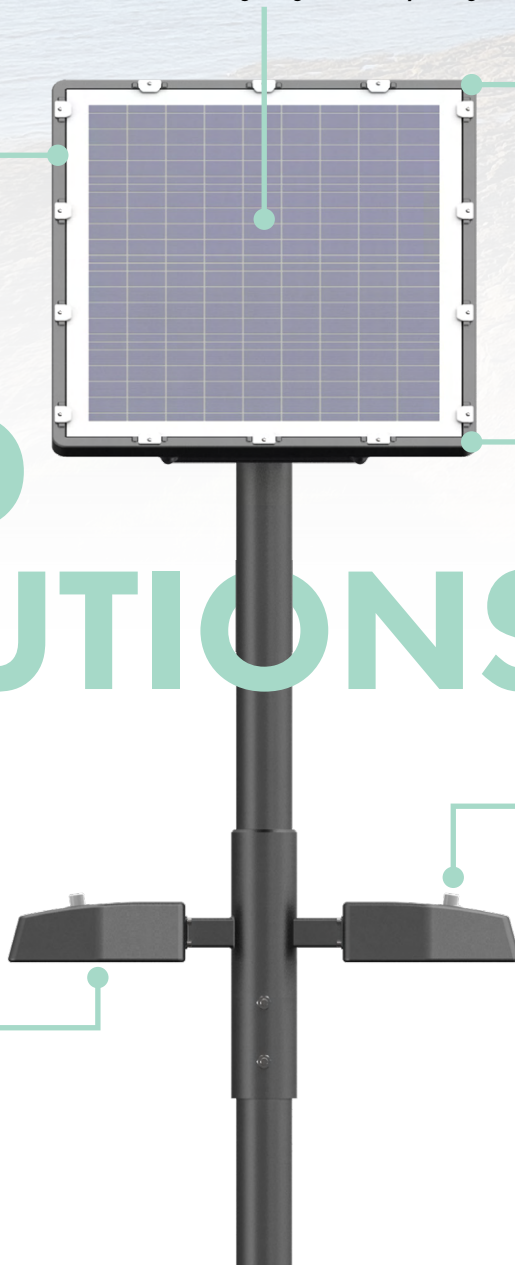
REMOTE MANAGEMENT

The integrated remote management system allows for seamless monitoring and control, enabling desktop adjustments to optimise performance, reduce maintenance needs, and enhance efficiency.

LED TECHNOLOGY

Featuring advanced LED technology, this lighting solution provides bright, energy-efficient illumination. Designed for long-lasting performance, these LEDs help reduce energy consumption while delivering superior lighting for any outdoor environment.

OFF-GRID SOLUTIONS





The Nano Solar Luminaire is a versatile, modular off-grid lighting solution designed for energy efficiency and sustainability. Available in two configurations—the Nano Single with one lantern and the Nano Twin with dual lanterns—this luminaire features advanced LED technology powered by a top-mounted solar panel, ensuring reliable illumination without traditional power sources. Each unit is equipped with the TITANVOLT battery, which stores energy for consistent performance and comes with a 20-year warranty, ensuring safety in all temperatures. The Nano Solar Light provides bright, eco-friendly lighting, making it a top choice for various applications, from residential pathways to public spaces.



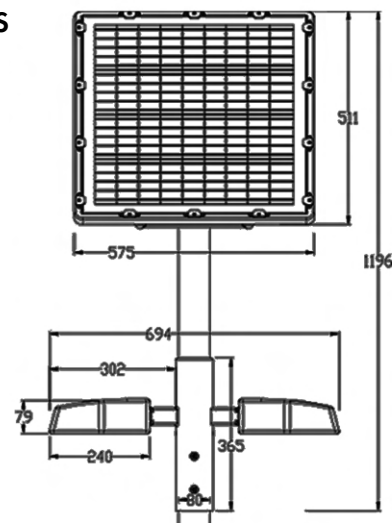
FEATURES

- **Modular Design:** A flexible, rotary-moulded system with a chamfer that eliminates glare and sky glow, adaptable to various outdoor settings and available in single or dual-lantern configurations.
- **Off-Grid Solution:** Fully powered by solar energy and equipped with the TITANVOLT battery, eliminating the need for on-grid connections and providing sustainable lighting options.
- **Single or Dual Lighting Fixtures:** Choose the Nano Single for a focused, single light, or the Nano Twin for broader, dual-light illumination, both offering powerful, energy-efficient LED lighting.
- **Energy Efficient:** Equipped with advanced LED technology, reducing power consumption and ensuring long-lasting, reliable performance.
- **Top-Mounted Solar Panel:** Solar panel efficiently captures energy, enabling continuous operation in all weather conditions.

PRODUCT SPECIFICATIONS

Lumen output:	440-2,2200Lm
Power:	2w - 12w
Colour temperature:	1900K - 4000K
Weight:	22KG (Including Spigot)
Materials:	Recycled Bioplastic Body / Aluminium / PMMA Acrylic
Spigot size:	60mm/76mm/89mm/110mm/165mm/ Midpole

DIMENSIONS



ACCREDITATIONS





The Vega Solar Luminaire is a sleek, modular exterior street light designed for modern off-grid lighting needs. Equipped with high-efficiency LEDs on one side and a full solar panel on the back, it operates independently, using solar energy to power itself. Each Vega is paired with a LIFE PO4 36 AMP hour battery, which stores energy for consistent performance, even during low sunlight conditions. Available in three different sizes, the Vega offers flexibility and adaptability to suit diverse outdoor environments, ensuring reliable and sustainable lighting. Its cutting-edge technology delivers top-tier performance while promoting energy efficiency and environmental responsibility.



FEATURES

- Modular off-grid design: Operates independently using solar energy.
- Integrated solar panel: Full rear panel for maximum energy capture.
- LED technology: Energy-efficient, high-performance light output.
- Available in 3 sizes: Small, medium, and large for versatile applications.
- Eco-friendly: Reduces carbon footprint by operating without grid power.
- Durable and weather-resistant: Built for long-term outdoor use.
- Sleek, modern look: Fits both urban and rural settings.
- Battery: Comes with a LIFE PO4 36 AMP hour capacity, ensuring safe energy storage with consistent performance in all temperatures.



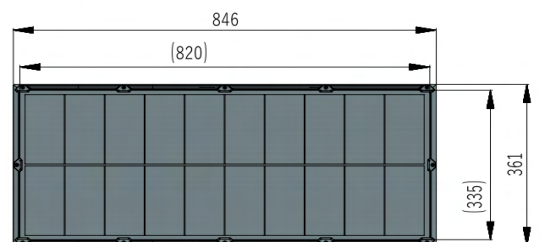
Data Sheet



PRODUCT SPECIFICATIONS

Lumen output:	3440Lm
Power:	20w
Colour temperature:	3000K
Weight:	11 KG
Materials:	Recycled Bioplastic Body / Aluminium / PMMA Acrylic

DIMENSIONS



ACCREDITATIONS





The Sceptre Column is the most technologically advanced product in our range, offering a modular off-grid lighting solution. Designed as a solar column that wraps around the pole of a street light, it generates enough power to make the lighting system entirely self-sufficient. This system includes the TITANVOLT battery, which stores energy and comes with a 20-year warranty, ensuring safety and consistent performance in all temperatures. For enhanced energy generation, the Sceptre Column can also be integrated with the optional Leading Edge wind turbine. It is compatible with any of our luminaires, whether from our classic Heritage collection or modern options like the Valiant series.

FEATURES

- **Modular Solar Design:** Solar panels wrap around the column, delivering enough power to make the light self-sufficient.
- **Luminaire Compatibility:** Works with all of our luminaires, from Heritage designs to modern options like the Valiant.
- **Leading Edge Wind Turbine Option:** Optional wind turbine integration for additional energy generation and greater reliability.
- **Off-Grid Solution:** Provides complete off-grid lighting, reducing dependency on traditional power sources.
- **Battery Storage:** Features the TITANVOLT battery, which ensures energy is stored efficiently and is safe for the built environment, with a 20-year warranty and no performance drop in extreme temperatures.
- **Advanced Technology:** The most cutting-edge product in our range, combining solar, wind, and LED technologies for optimal performance.

PRODUCT SPECIFICATIONS

Lumen output:	1900Lm - 4560Lm
Power:	10w - 24w
Colour temperature:	1900K - 3000K
Weight:	80KG
Materials:	Recycled Bioplastic Body / Aluminium / PMMA Acrylic
Spigot size:	76mm

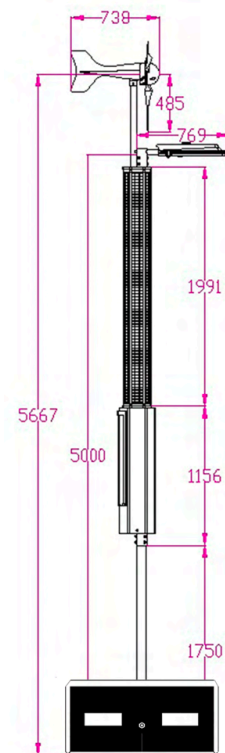
ACCREDITATIONS



Data Sheet



DIMENSIONS





The Sceptre Column is the most technologically advanced product in our range, offering a modular off-grid lighting solution. Designed as a solar column that wraps around the pole of a street light, it generates enough power to make the lighting system entirely self-sufficient. All Sceptre Columns come equipped with the TITANVOLT battery, which carry a 20-year warranty and ensure safe operation in both hot and cold temperatures without performance drop. The Sceptre Column is compatible with any of our luminaires, whether from our classic Heritage collection or modern options like the Valiant series. This innovative solution provides an efficient and sustainable lighting option, ideal for various applications.

FEATURES

- **Modular Solar Design:** Solar panels wrap around the column, delivering sufficient power to make the lighting system fully self-sufficient.
- **Luminaire Compatibility:** Works seamlessly with all of our luminaires, from classic Heritage designs to modern options like the Valiant series.
- **Off-Grid Solution:** Provides a complete off-grid lighting solution, reducing dependency on traditional power sources.
- **Advanced Technology:** The most cutting-edge product in our range, combining solar and LED technologies for optimal performance.
- **Battery Storage:** Features the TITANVOLT battery, which ensures energy is stored efficiently and is safe for the built environment, with a 20-year warranty and no performance drop in extreme temperatures.

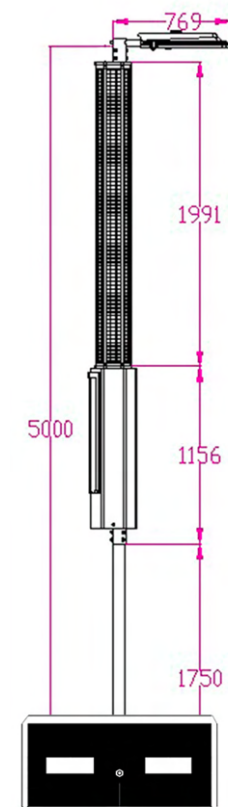
PRODUCT SPECIFICATIONS

Lumen output:	1900Lm - 4560Lm
Power:	10w - 24w
Colour temperature:	1900K - 3000K
Weight:	80KG
Materials:	Recycled Bioplastic Body / Aluminium / PMMA Acrylic
Spigot size:	76mm

Data Sheet



DIMENSIONS



ACCREDITATIONS





The Sceptre Column is the most technologically advanced product in our range, offering a modular off-grid lighting solution. Designed as a solar column that wraps around the pole of a street light, it generates enough power to make the lighting system entirely self-sufficient. Each Sceptre Column comes equipped with the TITANVOLT battery, which holds the stored energy and ensures reliable performance without risk of fire or drop in performance in extreme temperatures. The Sceptre Column is compatible with any of our luminaires, including our Heritage collection lanterns like the Darwin, as well as modern options like the Valiant series. This innovative solution provides an efficient and sustainable lighting option, ideal for a variety of applications.

FEATURES

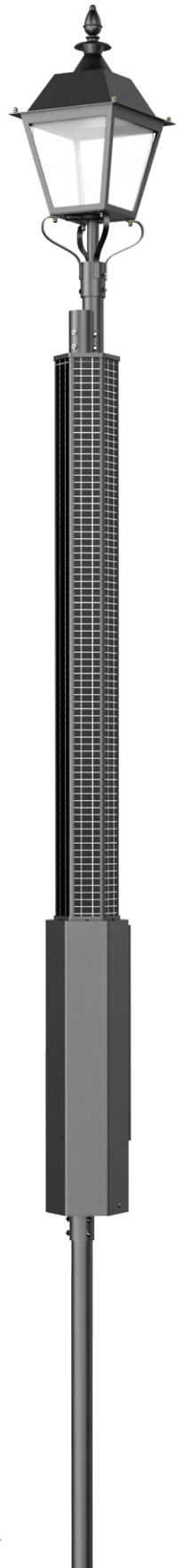
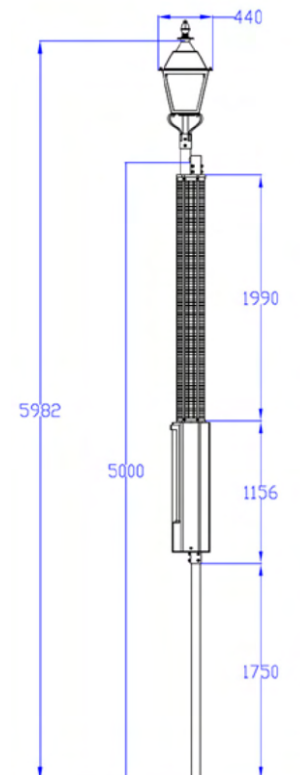
- **Modular Solar Design:** Solar panels wrap around the column, generating ample power to make the lighting system completely self-sufficient.
- **Luminaire Compatibility:** Designed to work seamlessly with any of our luminaires, including classic Heritage lanterns like the Darwin and modern options such as the Valiant series.
- **Off-Grid Solution:** A fully off-grid lighting solution that minimises reliance on traditional power sources.
- **Advanced Technology:** Our most innovative product, combining state-of-the-art solar and LED technologies for optimal performance and sustainability.
- **Battery Storage:** Features the TITANVOLT battery, which ensures energy is stored efficiently and is safe for the built environment, with a 20-year warranty and no performance drop in extreme temperatures.



PRODUCT SPECIFICATIONS

Lumen output:	1900Lm - 4560Lm
Power:	10w - 24w
Colour temperature:	1900K - 3000K
Weight:	80KG
Materials:	Recycled Bioplastic Body / Aluminium / PMMA Acrylic
Spigot size:	76mm

DIMENSIONS



ACCREDITATIONS

PROJECT IN FOCUS II

FLINTSHIRE COUNTY COUNCIL

Flintshire County Council's 3 year project to switch over 19000 total assets to LED technology. Vision were proud to be awarded the supply of all luminaires for the project after a successful tender bid from our supplier Snapfast.

The project set out by Flintshire County Council set out to replace 12000 street and road luminaires to LED technology within the first 2 years, with an additional 6000 pieces added in a tender extension at the start of year 3. Also involved was the replacement of all heritage and decorative luminaires around the County, which spans from the North Wales border at Chester, to Wrexham and inland bordering with Denbighshire.

The project was funded via two successful Salix finance bids applied for by the Council using a forecasted energy saving model provided by Salix themselves. The model then is submitted, approved and a zero interest, government backed loan is secured in order for the project to start.

The Vision Valiant luminaire was the predominant specified lantern used in the tender, due to its dexterous lumen outputs, optics and dimming functionality, so it could be fine-tuned to suit any required design criteria with minimal time in order to keep the supply chain as efficient as possible, and cater for Flintshire's many differing road layouts and configurations. As aforementioned this was in addition to producing bespoke products for heritage and architectural sites dotted around the County.



“ Vision Illumination’s lighting solutions have truly transformed our public spaces. Their sleek, energy-efficient street lights have not only lowered our energy costs but have also enhanced the safety and appeal of our communities. The team was fantastic to work with, and the installation process was seamless. We’re looking forward to exploring their off-grid technology as we pursue our sustainability goals.”

STEVE JONES, Wrexham County Councillor



“ We needed reliable lighting for our community spaces that could adapt to varying outdoor conditions, and Vision Illumination delivered. Their solar-powered luminaires provide consistent brightness without the need for traditional power sources, making them ideal for our parks and public areas. We’re extremely satisfied with both the quality of their products and their commitment to sustainability.”

DARRELL JONES, Flintshire County Council



“ Vision Illumination provided us with a custom lighting solution for our new commercial development, incorporating both on-grid and solar technology. Their use of the latest LED advancements ensured we could maintain excellent illumination across the site while keeping energy consumption low. Their professionalism, attention to detail, and innovation are unmatched. We’re already planning our next project with them.”

PAUL SAGAR, North & Mid Wales Trunk Road Agent



“ Installing Vision Illumination’s lanterns at Hartlepool Marina has been a game changer for our community. Their LED street lights are not only cost-effective but also help us meet our energy efficiency targets. By focusing on reducing light pollution with smart, targeted lighting, they’ve improved night visibility while minimising our environmental impact. We’re excited to explore their off-grid solutions as we work toward a greener, more sustainable future.”

ROB DALY, Hartlepool Borough Council





PLUS MANY MORE

At Vision Illumination, we are committed to lighting the way toward a more sustainable future. With a bold target to transition fully to off-grid solutions by 2030, we continue to innovate and refine our technology to meet the evolving needs of our clients. As we move forward, our focus is not only on developing new partnerships but also on nurturing the strong relationships we've built over the years. Together, we will create brighter, smarter, and more sustainable environments—because with Vision Illumination, there are no more grey areas.

NEILL RICHARDSON, *Founder, Vision Illumination*



VISION
ILLUMINATION

NO MORE GREY AREAS

info@visionillumination.com

(0) 191 482 4075

www.visionillumination.com

