



Where perfect light
meets perception



www.patinalighting.com

SUPERIOR LIGHTING FOR OVER 35 YEARS

Established in 2002 as a lighting design and manufacturing company, Patina has developed a range of innovative smart lighting technologies that have recognised exclusive intellectual property rights.

Specialising in Innovation, Optical Design and Energy Efficient Lighting Optimisation, ensures Patina products are much sought after around the globe. At Patina we work with Indigenous companies and some of the world's leading Multinationals across the globe, developing innovative turnkey lighting solutions that offer exceptional energy and cost savings, while also ensuring the optimum lighting environment for any particular situation.

We continually develop products that are smarter, more efficient and mechanically appropriate to meet changing market requirements along with ever advancing light sources and optical developments. At Patina, we consistently review our manufacturing and design processes in order to achieve more competitive and energy efficient solutions through the utilisation of new technologies and materials.





70% to 90% annual return on investment

By implementing Patina® lighting technology, energy savings in the order of 80% will be achieved. This is a proven percentage saving achieved from historic projects over the past number of years.

Typically, for retro fit projects, the energy saving percentage varies between 70% and 90%. While these reductions are extremely encouraging, it does not practically justify capital investment without the satisfactory return on the capital employed.

Key influencing factors also pertain to the simplicity of the change-out or retrofit solution, for example, the integrated intelligent lighting technology employed by Patina® avoids the need for cable managed lighting control systems.

The efficiency of the Patina® solution allows for a simple one for one replacement, thereby reducing significantly the labour and installation cost pertaining to such lighting improvement projects. Indirect savings also accrue where heating and ventilation systems are employed.

Achieving savings as documented provides for the greatest opportunity for implementing a healthy return and investment opportunities.



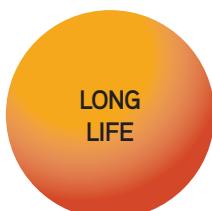
INNOVATIVE LED LIGHTING

LED lighting is the most energy efficient and economically advantageous lighting solution on the market today. Over the past number of years, Patina has been developing our range of LED lighting solutions that are innovative and suitable for a host of applications.

LED lighting saves energy, helps protect the environment, reduces maintenance costs and improves the aesthetics of internal and external structures when compared to that of traditional lighting.

LED lighting can save up to 85% of the electricity used by incandescent bulbs and up to 50% percent of electricity used by fluorescents.

Most of the energy emitted from incandescent bulbs is converted to heat instead of light. With LED lighting the energy is converted into light and far less heat is emitted. The energy focus is on Light and not Heat. LED bulbs are also designed to last about 50 times longer than traditional bulbs.



LONG
LIFE



COST
REDUCTION



ENERGY
EFFICIENCY



DURABILITY



ENVIRONMENTALLY
FRIENDLY



LIGHT
DISPERSEMENT

FLUORESCENT LIGHTING TECHNOLOGY

By implementing Patina Fluorescent Lighting technology, energy savings in the order of 80% will be achieved. This is a proven percentage saving achieved from historic projects over the past number of years.

Fluorescent lighting has a considerable advantage in energy efficiency over conventional systems and benefits from lamp electronic control gear (ECG). In the retrofit market a significant opportunity exists in terms of energy saving initiatives through the utilisation of Patina's innovative lighting technology. The return on investment in Energy Saving Retrofit projects varies considerably from project to project, depending on key influencing factors, namely, utility energy cost per kWh and burning hours.

Combined factors have an influencing effect on the projected energy saving and consequential paybacks of such projects. Typically, the energy saving percentage varies between 70% and 90%.

The minimal nature of the Patina solution allows for a one for one direct replacement or reduced replacement numbers, thereby reducing significantly the labour and installation cost pertaining to such lighting improvement projects.



LED & FLUORESCENT LIGHTING APPLICATIONS

Lighting plays a key role in our perception of a particular environment.

Whether it is a work environment, a social environment or a sporting environment, the quality of the lighting and its associated properties are key to our overall performance. Every environment requires a different kind of light and specific lighting conditions. The

function of a space dictates the type, quantity, placement and quality of lighting required. At Patina, we have over 30 years experience in the design, manufacture and implementation of lighting solutions that are perfectly matched to the particular space.

Creating the perfect light for all environments



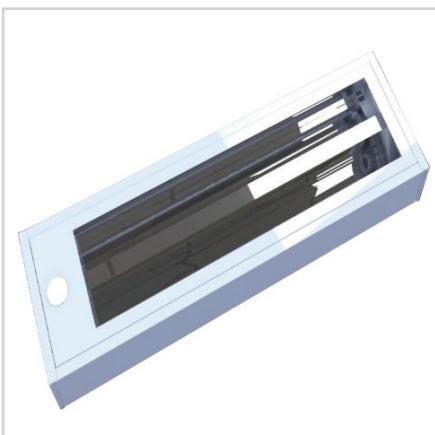
- Retail
- Office Interiors
- Car Parks
- Cleanroom
- Forecourts & Garages
- Manufacturing
- Logistics, Warehousing & Distribution Centres
- Education
- Healthcare
- Hospitality
- Recreational Facilities

LED Lighting Range



PLOR eLED

The Patina Plor eLED is a sustainable solution for a range of uses as diverse as Cold Rooms, Workshop Areas, Mezzanines, Multi-Storey Car Parks and any environment up to six metres mounting heights. It takes advantage of our reflector and refractor technology to provide a solution that is efficient, glare free and flexible in use.



Treax eLED

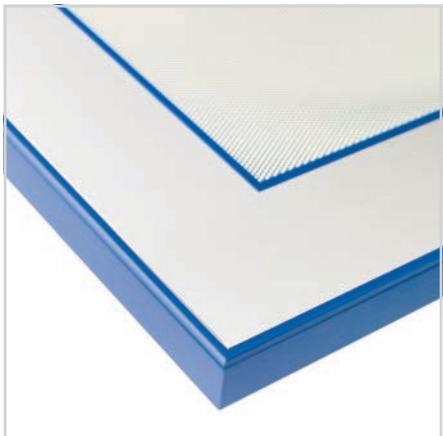
The Patina Treax eLED provides an indirect LED solution for industrial applications such as High Racking, Marshalling Areas, Workshops and Process Controlled Areas. This IP registered indirect high bay / low bay luminaire uses LED technology with integrated Dali controls. It features the latest in high efficacy LED modules as well as the Patina Treax ORLS reflector.



ASR eLED

Patina has developed and optimised the ASR eLED with registered design utilising the latest in LED, sensor and optical technology. This innovative product offers the user a technically compliant de-glaring luminaire using high efficacy LED light sources. The de-glaring nature of the structure provides all work spaces with a high degree of uniformity without the inherent discomfort / disability glare often associated with LED modules.

LED Lighting Range



ASR eLED Cleanroom

Patina has launched one of the first indirect LED luminaires for cleanroom environments providing a total de-glaring result with high luminaire efficacies in excess of 102 lumens per watt. This RAL coated, Fraunhofer approved luminaire includes a unique LST sensor device to achieve increased energy efficiency and mood setting functionality.



Signature

The Patina Signature range is the first technical de-glaring suspended chandelier utilising OGP de-glaring prismatic technically compliant structure with LST sensor technology. The Signature 400 and 600 utilises Patina's IP protected PCB 400 and 600 linear SELV PCBs.



Lufal

The Patina Lufal range is versatile, modern and offers exceptional optimum lighting outputs. It can be used in a variety of applications including, Atrium's, Large commercial institutions, Banks, Corridors, Areas requiring high illuminance levels, Wardrobes, Open areas, Replacement for typical standard line downlighters, Stairwells, Retail, Shower and Wet areas.

LED Lighting Range



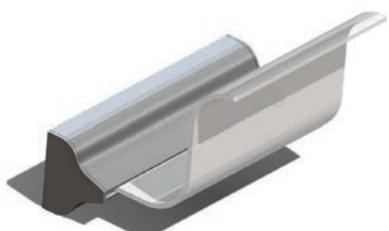
Axium

Axium is an LED range of efficient area flood lights suitable for most lighting applications. They are designed for mounting heights of up to 8 metres. The Axium 5000 is designed as suitable area floodlights for low to medium height applications. While the Axium 15000 is designed for mounting heights of up to 8 metres. Both fittings are totally sealed and are prewired with a 3 core flex for ease of installation.



Leximal

The Leximal product is designed as a functional solution for many applications including Malls, Multi-Storey Car Parks, Amenity, Street and Lighting for low ambient environments. The four Chips on Board (COB) utilises high efficient LED light modules in a four cluster design. Featuring unique optical reflectors as well as a thermally managed enclosure, the Leximal provides the user with an energy efficient compact solution for various applications.



DETAAL

Patina's innovative DETAAL wall light range is the latest utilising optical OGP Patina technology. A versatile aesthetically pleasing fitting with de-glaring properties, provides excellent accent distribution for a number of applications such as Malls, Walkways, Reception areas in Banks, Commercial institutions, Hospital, Office interiors, Atrium, Toilet and Locker areas.

Fluorescent Lighting Range



ASDV Series

The patented ASDV range is a versatile replacement for both conventional high-bay and fluorescent lighting. This fitting operates with a 4x55 watt Dali compact fluorescent lamp and is ideal for mountings which are positioned at heights greater than 4.5 metres and/or up to 15 metres.



LETA

The Patina LETA range is an efficient and flexible alternative to 250/400 watt HID luminaires. The LETA fitting operates with T5 Fluorescent lamps and is ideal for mounting heights which are positioned greater than 4 metres and/or up to 12 metres.



ASR Lighting

The ASR Series is designed for commercial and retail environments. An intelligent optically efficient range of luminaires are suitable for new builds and retrofit applications. The ASR series will accommodate a multitude of lamp and ballast options to optimise performance.

Fluorescent Lighting Range



PLOR ALU

Specially developed for use with T5 lamp technology. These IP66-rated, vapour-proof fittings are suitable for environments where a sealed fitting is required thus making them ideal for both the food industry and for operating environments such as Factories, Plant Rooms and Multi-Storey Car Parks.



Treax

The TREAX™ Lighting Series was designed as a high efficiency, state of the art replacement for both conventional high-bay and fluorescent lighting installations. This fitting operates with a multi-wattage, two T5 fluorescent lamp configuration and is ideal for mountings which are positioned at heights greater than 4.5 metres and/or up to 15 metres.



U14 Sandyford Office Pk, Sandyford, Dublin 18, Ireland.

Tel: +353 (0)1 2958890 Email: info@patinalighting.ie

www.patinalighting.com