Application Focus: High End Residential

Raytec are the world leaders in LED lighting for safety and security with 13 years of experience leading from the front. From Infra-Red, White-Light, Hybrid and IP lighting, we offer the most comprehensive range of illuminators for any video surveillance system.
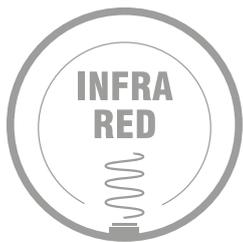
The Importance of Security

Any homeowner who has invested a large amount of money into a high-end residential property is keen to protect it. The property and its valuable contents makes these homes attractive to intruders, so an advanced security solution is key. Thankfully technology has come a long way, and by integrating the correct devices you can be sure your property is safe.

Subject Matter Experts

Raytec's range of network illuminators are a key element in creating a bespoke IP security solution and can be easily integrated with other devices. This gives homeowners complete peace of mind as our illuminators can be controlled from anywhere on the network 24/7 and will respond instantly to any security breaches. Our powerful LED lighting also allows cameras to capture high-quality images, day or night, which can aid identification of potential intruders.
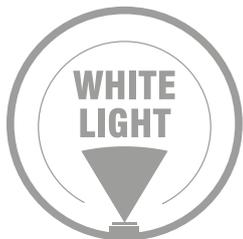
Types of Light

Infra-Red: We offer both semi covert (850nm, slight red glow) and covert (940nm, no red glow) solutions so that you can choose the best option for your application. Both provide highly even illumination for outstanding night-time images, with covert providing the added extra of being totally invisible to the human eye.

Covert lighting is particularly important for this application as it will not be seen at all by an intruder. This allows the camera to capture images necessary for prosecution without alarming the intruder in any way or giving any visible sign that they are being watched.

White-Light: Our White-Light illuminators provide long distance, highly even illumination which can either be used as general area surveillance or as a deterrent. As a multi-purpose illuminator, VARIO features an interchangeable lens system and can achieve angles from 10-120 degrees, giving you a full scope of the scene. This gives any homeowner the reassurance that all bases are covered.

Hybrid: Our Hybrid illuminators provide an all-in-one solution, combining both Infra-Red and White-Light into a single unit.

This is ideal for High End Residential properties as its dual use provides a complete security solution. In Infra-Red mode, the lighting can assist a CCTV camera in challenging, low-light conditions. This means the camera can produce high quality images, which when used alongside camera analytics, can identify any possible intruders. The illuminator can then switch seamlessly to White-Light which can be trigged as a flashing output. This acts as a deterrent and is an essential crime prevention technique.

Flexible Power Options

1.) To facilitate installations, Raytec offer a range of input options: 100-230V AC/DC, low voltage 12-24V AC/DC or PoE powered.

2.) IP Controllable - Operate the lights from anywhere on the network 24/7 via a web interface, VMS or directly with camera applications. This means you can fine tune images to achieve the best possible results and can easily analyse the data. For complete security, integrate the lights with other devices such as motion detectors, PIR's and fence protection systems. This is a big unique selling point for Raytec as no other competitor offers this level of integration with a VMS.
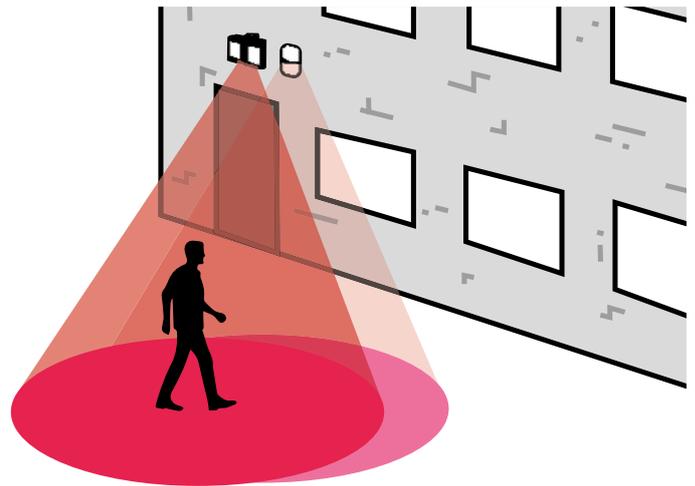
Enclosure Colour Options

We understand that your lighting needs to blend into the surroundings, whether that's to avoid being an eye sore or to avoid catching the attention of potential intruders. Therefore, Raytec offer bespoke colour options which can be tailored to the needs of your application. For example, you might want the luminaires to match your décor or to camouflage into the outdoors. Raytec are committed to adaptability and client customisation is a key part of this.

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VMS/ Home Automation Integration

Raytec provide a full range of IP controllable network illuminators in White-Light, Infra-Red and Hybrid variants. The IP addressability and connectivity ensures that our illuminators can be automatically triggered by a network device to provide an instant and visual response in real-time. Integrate with PIR's to detect the first signs of an intruder and then automatically trigger Raytec Network lighting as an immediate deterrent. This system can also be integrated with an alarm which will sound when motion is detected.

By controlling the system through a VMS, you can take live control over any individual illuminator or group of illuminators. This means you can focus on the exact zone the incident is occurring and take instant control of your lighting or respond with further flashes of White-Light as a warning. Raytec's tight integration with other devices makes it easier to create your complete security solution.

PIR triggers lighting on demand

Design Service

See your lighting solution come to life with Raytec's 2D and 3D lighting designs. This visual representation shows you exactly where the light is targeting, minimising any light pollution and improving the efficiency of your system. This is particularly useful when it's your own home as you can see what solution is being offered before you invest even further.

On Site Consultation

As well as offering in depth technical guides, white-papers, and set up advice, we also have an expert sales team who will come out and visit your sight to provide one-to-one consultation. This not only means we can get a full understanding of the requirements, but also gives you a personal point of contact who will guide you through each stage of the project.

Discretion/ NDA Practice

Due to the nature of these projects, Raytec are committed to protecting our customers. Raytec have assisted/ participated in many high-end residential applications and as such have protocols & procedures in place to maintain and support the confidentiality of documents, drawings and other intellectual property.

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