HYBRID 100

HYBRID PRODUCT RANGE

The HYBRID product range integrates RAYMAX Infra-Red and RAYLUX White-Light into a single, flexible and intelligent lighting unit. The HYBRID series of IR and White-Light illuminators provide World class illumination, long life and zero maintenance. They incorporate the very latest surface mount LEDs to deliver excellent night-time pictures with improved optical output and outstanding reliability.

HYBRID illuminators are an intelligent, aesthetically pleasing solution to providing multi-purpose lighting. All HYBRID illuminators are purpose designed to provide even output illumination.

Each unit is fitted with Active LED Life Control to carefully control LED output, delivering consistent illumination power and a projected working life of 10 years.

HYBRID illuminators are supplied with bracket and power supply. Control features on the power supply include adjustable power output, independent control of Infra-Red and White-Light, photocell and telemetry control. HYBRID products are suitable for all low light installations that require a mixture of Infra-Red and White-Light.

DEPLOYING HYBRID:

Infra-Red ON   White-Light ON

HYBRID illuminators have been designed for all applications where both the advantages of Infra-Red (long illumination distances, covert surveillance) and White-Light (lighting as a visible deterrent, colour images) are needed.

The Infra-Red light in HYBRID provides constant covert lighting of an area, delivering 24 hour CCTV coverage without causing light pollution or illuminating an area for criminals or intruders. The White-Light in HYBRID can be activated on intrusion into a secure zone creating a bright, visible deterrent to any intruders who know they are being watched the moment the light turns on.

POWERFUL
- IR and White-Light in a single unit
- **PLATINUM** LED technology
- High power - low running costs

FLEXIBLE
- Intelligent Combined Light Integration
- Various angles (10˚ to 180˚)
- Fully Controllable Power Supply

RELIABLE
- 10 year life
- Active LED Life Control
- Vandal Resistant

CONTROLLED
- Even Output Illumination
- IR for constant Covert Surveillance
- White-Light for Deterrent purposes and colour images

APPLICATIONS

PRISONS   WATER RESERVOIRS   AIRPORT   DUMPING   MILITARY BASE

rayTEC

HYBRID™

The world's first range of combined IR and White-Light illuminators designed for the CCTV market. HYBRID™ integrates RAYMAX and RAYLUX technologies to deliver constant covert surveillance and long coverage distances with Infra-Red light, and a visible White-Light deterrent on alarm activation.

ACTIVE LED LIFE CONTROL

All Raytec illuminators employ cutting edge materials science techniques to improve thermal efficiency throughout the unit and ensure continuity of LED power. The New Advanced Cool Running™ system draws heat away from the LEDs, shielding the LED from abnormal stress, and allows Raytec LED products to deliver outstanding performance and consistency of illumination throughout the operational life of the illuminator.

PLATINUM ADVANCED SMT LED TECHNOLOGY

PLATINUM illuminators integrate cutting-edge SMT LED technology, light intensification miniature optics and an enhanced Cool Running™ thermal management system into a single high performance LED. The result is World leading power, reliability and flexibility.

VANDAL RESISTANT

The polycarbonate lens design protects against severe blows from crowbars, baseball bats and can even withstand successive shots from air pistols and rifles (range dependant).
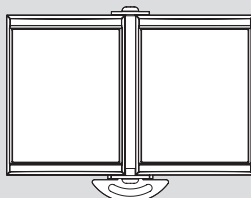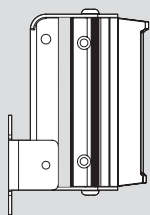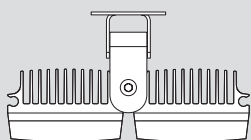
ENERGY SAVING

All Raytec illuminators use high efficiency LED's and advanced control methods to deliver extremely low electrical consumption. Raytec illuminators are energy saving and deliver huge savings in running costs compared to traditional bulb illuminators.

HIGH DEFINITION LIGHTING

High Definition Lighting allows cameras to provide crystal clear, high signal images during the hours of darkness. The breakthrough in HD lighting is made possible with Raytec's high power LED technology delivering increased power on scene.

5 YEAR WARRANTY

All Raytec CCTV illuminators are provided with a 5 year warranty, unmatched anywhere in the CCTV lighting industry. Raytec illuminators provide guaranteed long life!

5 YEAR WARRANTY

TECHNICAL SPECIFICATIONS

ILLUMINATOR

Max Distance:	up to 105m (343ft) IR
Angle:	Various - See Part Codes
Optics:	SMT LEDs
Consumption:	50W max
Voltage:	13.5 & 14V current controlled
Weight:	2.5kg (5.5lbs)
Environmental:	IP66
Temp Range:	-50 to +50˚C (-58 to 122˚F)
Cable Length:	2.5m
Colour:	Black and Silver
Wavelength:	850nm and white-light
Dimensions:	210 x 150 x 65mm 8" x 6" x 3" approx.

POWER SUPPLY

Input:	Universal 100-230V AC auto-sensing
Output:	50W max
Temperature:	-50 to +50˚C (-58 to 122˚F)
Weight:	2.4kg (5.3lbs)
Dimensions:	240 x 160 x 81mm 9" x 6" x 3" approx.

Standard PSU (included)

Adjustable photocell

Adjustable power output for IR & WL

Telemetry Control

Independent control of IR/WL

PART CODES & DISTANCES

		IR DISTANCE	WL DISTANCE
HY100-30	HYBRID 100, 2 x 30˚ IR, 850nm, 30˚ WL + PSU	55m (180t)	40m (131ft)
HY100-50	HYBRID 100, 2 x 50˚ IR, 850nm, 50˚ WL + PSU	40m (131ft)	30m (98ft)
	Mixed angles and other angles (10˚ and 120˚) available		

rayTEC

Europe / Middle East: Tel: +44 (0) 1670 520055   Email: sales@rayteccctv.com
Americas (Toll Free): Tel: +1 888 505 8335   Email: ussales@rayteccctv.com
Web: www.**raytec**cctv.com