VAR2-i8-1-730nm
Long Range Far-Red Illuminator for Transport Applications
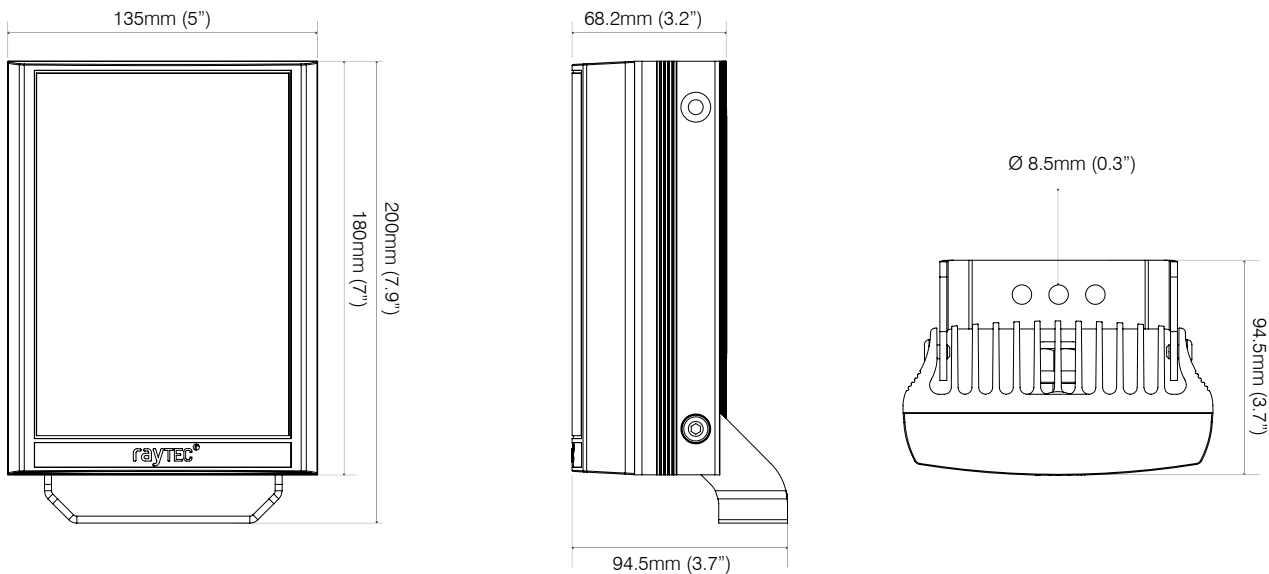
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- PLATINUM Elite SMT LED Technology

- Hot-spot Reduction Technology (HRT)

- VARIO Interchangeable Lens System

- VARIO Remote Control (optional)

- Angles from 10-120 degrees – from 1 product

- Far-red (730nm)

- Advanced Security Settings

- Illuminates targets through windscreens

Delivering world leading power and illumination distances VARIO2 next generation illuminators can improve the performance of any video surveillance system at night. 730nm variants are designed to improve image quality for vehicle driver/passenger recognition, and other applications where cameras need to see through windscreens. The light is visible to the human eye.

VARIO2 illuminators use PLATINUM Elite SMT LED technology to deliver more power and greater distances from a smaller platform than current generation illuminators. Providing a broader range of solutions, the VARIO2 series also offers a suite of advanced security features for easier programming and safer operation of smart lighting systems.

VARIO2 features an interchangeable lens system with Hot-spot Reduction Technology to deliver highly even illumination, where it is most needed, for outstanding night-time images. With the optional hand-held remote control, VARIO2 also makes installation and commissioning quicker, easier and safer.

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Version 1
www.raytecctv.com

Product Dimensions

135mm (5")

68.2mm (3.2")

Ø 8.5mm (0.3")

200mm (7.9")

180mm (7")

94.5mm (3.7")

94.5mm (3.7")

raytec®

Features

Benefits

Far-Red Optimised	Designed specifically for transport applications, the illuminators are equipped with 730nm LEDs and provide the best results for illuminating targets through a windscreen.
VARIO Interchangeable lens system	Angle of illumination can be easily, quickly and precisely adjusted by changing the VARIO holographic lens insert, to match the specific camera field of view.
Hot-spot Reduction Technology (HRT)	HRT - Hot-Spot Reduction Technology delivers a highly diffused, elliptical beam shape to deliver more light where it is needed, generating both longer distances and minimizing light wastage. The HRT system also prevents overexposure of foreground objects.
VARIO Remote Control (optional)	Allows set up quickly and safely from ground level and provides access to advanced set up features. Reduces both cost and time of installation and commissioning.
LED Status Indicator	Quick operational feedback on status and performance of the illuminator. Allows simple and quick commissioning of the installation and easy maintenance reviews
Platinum Elite SMT LED Technology	VARIO2 illuminators use cutting edge PLATINUM Elite SMT LED technology together with an enhanced Cool Running™ thermal management system to deliver World leading power, reliability and flexibility.
Advanced Security Settings	Programming inputs on both the VARIO remote control and on the VARIO2 illuminator can be disabled if required. Additionally, the VARIO remote control can be given a PIN code to lock in settings and limit access.

5 YEAR WARRANTY
All Raytec luminaires are provided with an industry leading 5 year warranty and have an expected useful life in excess of 10 years

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Technical Specifications

Illuminator

Angle	Standard pack includes 10° circular + 35° x 10° (fitted as standard) and 60° x 25°elliptical lenses. Additional optional lenses: 80° x 30°, 120° x 50°
Input	12/24V AC/DC
Consumption	40W
Beam Shape	Elliptical with HRT (Hot-spot Reduction Technology)
Beam Angle System	VARIO Interchangeable Lens System
LED type	Platinum Elite SMT LEDs
Number of LEDs	24
Wavelength	730nm
IP rating	IP66
Temperature Range	-50° to +50°C (-58 to 122°F)
Colour	Black
Weight	1.65kg (3.6lbs)
Dimensions	135 x 180 x 68.2mm (5" x 7" x 3.2" approx.)
Cable Length	2.5m
Bracketry	U bracket included VUB Bracketry also available (Optional)
Country of Manufacture	United Kingdom

Integrated Command and Control Technology

Integrated Standard Features	• Power adjust from 20-100% • In-built photocell for automatic on/off operation • Photocell following output • Photocell sensitivity adjust • LED status indicator provides status on performance of the unit • LED status indicator on/off • Disable programming mode
Advanced Features (accessed via VARIO remote control)	• Timer function (up to 30 mins) • Telemetry control • Remote Dimming • Restore factory default settings • Optional PIN to lock in settings and limit access • Remote Control can be disabled for improved security

Product Codes

Part Codes	Description	Angles	Distances
VAR2-i8-1-730nm	VARIO2 i8, 730nm, with 3 angle options included, 12-24V	10 x 10° 35 x 10°(fitted as standard) 60 x 25° 80 x 30° (optional) 120 x 50° (optional)	Contact Raytec for maximum distances

Optional Parts

VAR-rc	Remote Control for any VARIO Illuminator (only 1 remote needed)
VAR-i8-LENS-8030	Individual i8 VARIO lens – 80°H x 30°V
VAR-i8-LENS-12050	Individual i8 VARIO lens – 120°H x 50°V

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