VARIO2 730nm Far-Red
Long Range Far-Red Illuminator for Transport Applications

i16 series

i8 series

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 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.

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)

The HRT system delivers a highly diffused, elliptical beam system to deliver more light where it's needed most. Also prevents overexposure of foreground subjects.

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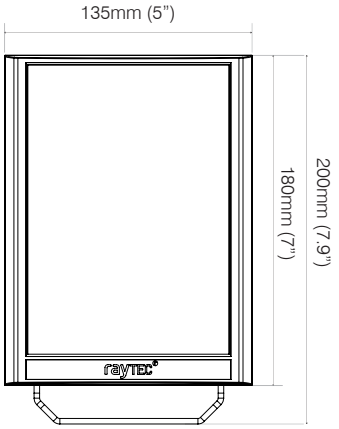
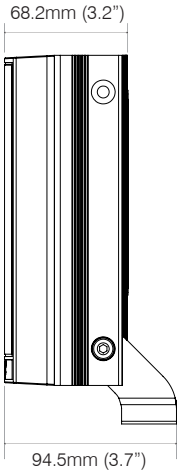
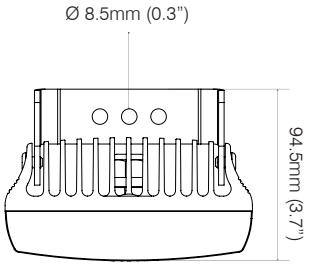
1040-D-00006-1

Product Dimensions

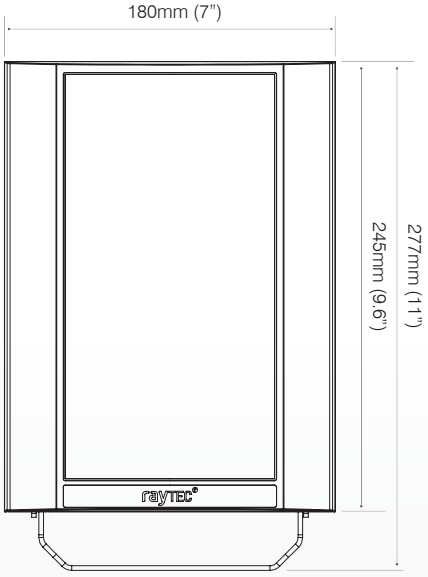
VAR2-i8-730nm

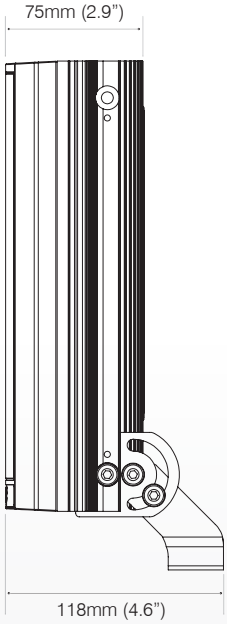


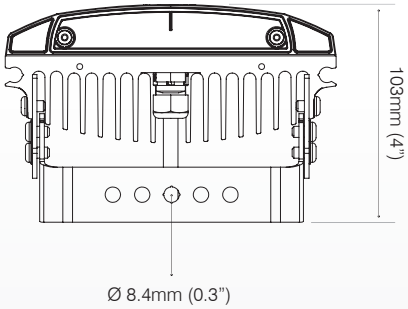




VAR2-i16-730nm







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Technical Specifications

Illuminator

Model	VAR2-i8-730nm	VAR2-i16-730nm
Angle	10°x10°, 20°x10° and 35°x10° angles included as standard Additional optional lenses: 60 x 25°, 80° x 30° and 120° x 50°	
Input	12/24V AC/DC	24V AC/DC
Consumption	40W	75W
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	48
Wavelength	730nm	
IP rating	IP66	
Temperature Range	-50° to +50°C (-58 to 122°F)	-50° to +50°C (-58 to 122°F)
Colour	Black	
Weight	1.65kg (3.6lbs)	3.1kg (6.8lbs)
Dimensions	135 x 180 x 68.2mm (5" x 7" x 3.2" approx.)	180 x 277 x 75mm (7" x 11" x 2.9" 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

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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Product Codes

Part Codes	Description	Angles	Distances
VAR2-i8-1-730nm	VARIO2 i8, 730nm, with 3 angle options included, 12-24V	10 x 10°	Contact Raytec for maximum distances
		20 x 10°	
		35 x 10° (fitted as standard)	
		60 x 25° (optional)	
		80 x 30° (optional)	
		120 x 50° (optional)	
VAR2-i16-1-730nm	VARIO2 i16 Long Range, 730nm, with 3 angle options included, 24V	10 x 10°	
		20 x 10°	
		35 x 10° (fitted as standard)	
		60 x 25° (optional)	
		80 x 30° (optional)	
		120 x 50° (optional)	

Optional Parts

VAR-rc	Remote Control for any VARIO Illuminator (only 1 remote needed)
VAR-i8-LENS-6025	Individual i8 VARIO lens – 60°H x 25°V
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
VAR-rc	Remote Control for any VARIO Illuminator (only 1 remote needed)
VAR-i16-LENS-6025	Individual i6 VARIO lens – 60°H x 25°V
VAR-i16-LENS-8030	Individual i16 VARIO lens – 80°H x 30°V
VAR-i16-LENS-12050	Individual i16 VARIO lens – 120°H x 50°V
VARIO Universal Bracket (VUB-POLE, VUB-WALL)	Universal Bracket for custom mounting and configuration of all VARIO illuminators

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