VARIO2 Lite

rayTEC

Infra-Red short, medium and long range Illuminator

Simple and Secure

VARIO2 in it's simplest form, VARIO2 Lite has been specifically designed for applications which require core functionality only, for easy set-up and added security.

High Performance

VARIO2 Lite provides all the performance of the standard VARIO2 products; with distances of up to 500m (1640ft) of Infra-Red illumination.

VARIO Interchangeable lens system

Angle of illumination from 10 - 120° 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.

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. See Warranty Statement for details.
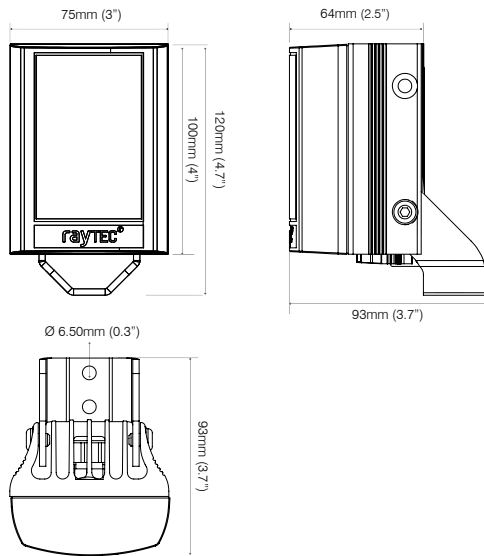
5 YEAR WARRANTY

0330-D-00015-rev 3

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Raytec Americas: +1 613 270 9990 • ussales@raytecled.com

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Technical Specifications

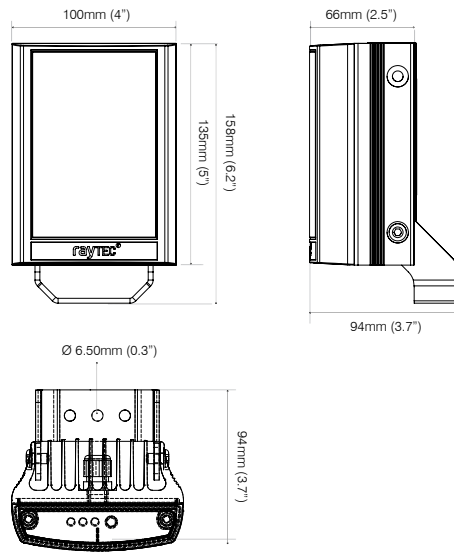| Illuminator	i2	i4	i6	i8	i16
Max Distance	78m (256ft)	144m (472ft)	200m (656ft)	350m (1148ft)	500m (1640ft)
Angle	Standard pack includes 10° circular + 35° x 10° (fitted as standard) and 60° x 25° elliptical lenses. Additional optional lenses: 80° x 30°, 120° x 50°	Standard pack includes 10° circular + 35° x 10° (fitted as standard) and 60° x 25° elliptical lenses. Additional optional lenses: 80° x 30°, 120° x 50°	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°	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°	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				24V AC/DC
Consumption	10W Max	13W Max	25W Max	46W Max	100W Max
Standby Power Draw (LEDs off):	0.65W				
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	6	9	12	24	48
Wavelength	Infra-Red 850nm				
IP rating	IP66				
Temperature Range	-50° to +50°C (-58°to +122°F)				
Colour	Black				
Weight	600g (1.3lbs)	950g (2.1lbs)	950g (2.1lbs)	1.65kg (3.61lbs)	3.1kg (6.8lbs)
Dimensions	75 x 100 x 64mm (3"x4"x2.5")	100 x 135 x 66mm (4"x5"x2.5")	100 x 135 x 66mm (4"x5"x2.5")	135 x 180 x 68mm (5"x7"x3")	180 x 277 x75mm (7"x11"x2.9")
Cable Length	2.5m (8.2ft)				
Bracketry	U Bracket Included VUB Bracketry also available (Please contact Raytec for details)				
Country of Manufacture	United Kingdom				
Control	Telemetery on/off				

POWERS – The Open Lighting Standard

Specifications and distances based on the POWERS lighting standard. For full POWERS data and A&E specifications please contact sales@rayteccctv.com
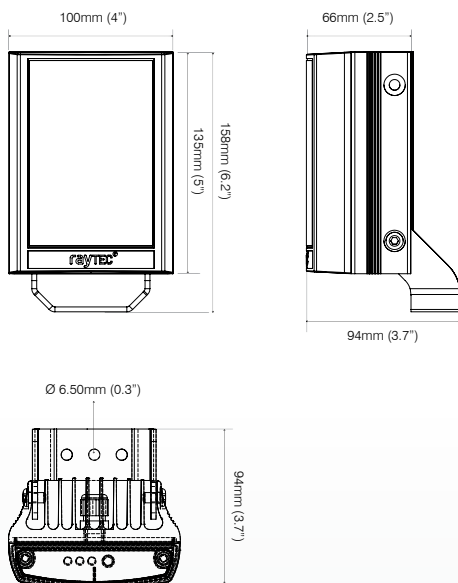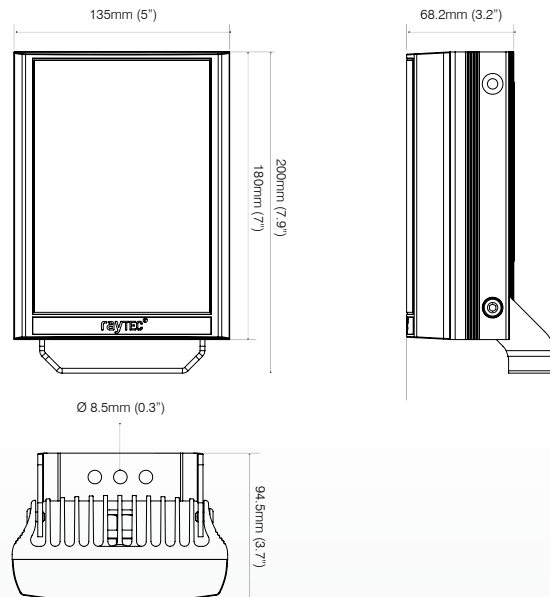
Product Dimensions

i2

75mm (3")
120mm (4.7")
100mm (4")
64mm (2.5")
93mm (3.7")
Ø 6.50mm (0.3")
93mm (3.7")

i4

100mm (4")
158mm (6.2")
135mm (5")
66mm (2.5")
94mm (3.7")
Ø 6.50mm (0.3")
94mm (3.7")

i6

100mm (4")
158mm (6.2")
135mm (5")
66mm (2.5")
94mm (3.7")
Ø 6.50mm (0.3")
94mm (3.7")

i8

135mm (5")
200mm (7.9")
180mm (7")
68.2mm (3.2")
Ø 8.5mm (0.3")
94.5mm (3.7")

i16

180mm (7")
277mm (11")
245mm (9.6")
75mm (2.9")
Ø 8.4mm (0.3")
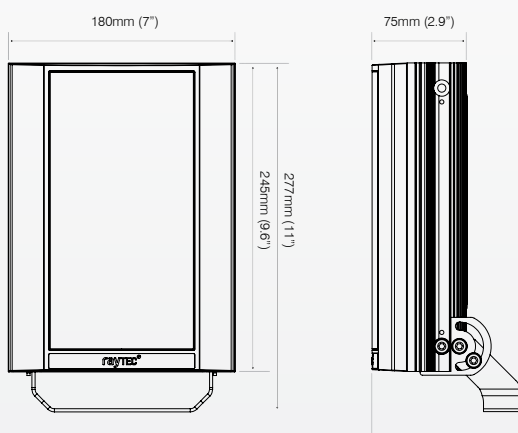
Product Codes

Part Codes	Description	Angles	Distances
VAR2-LTE-i2-1	VARIO 2 Lite i2, 850nm, with 3 angle options included, 12-24V	10 x 10°	78m (256ft)
		35 x 10°	54m (177ft)
		60 x 25°	36m (118ft)
		80 x 30° (optional)	24m (79ft)
		120 x 50° (optional)	18m (59ft)
VAR2-LTE-i4-1	VARIO 2 Lite i4, 850nm, with 3 angle options included, 12-24V	10 x 10°	144m (472ft)
		35 x 10°	78m (256ft)
		60 x 25°	54m (177ft)
		80 x 30° (optional)	36m (118ft)
		120 x 50° (optional)	24m (79ft)
VAR2-LTE-i6-1	VARIO 2 Lite i6, 850nm, with 3 angle options included, 12-24V	10 x 10°	200m (656ft)
		35 x 10°	120m (394ft)
		60 x 25°	70m (230ft)
		80 x 30° (optional)	50m (164ft)
		120 x 50° (optional)	30m (98ft)
VAR2-LTE-i8-1	VARIO 2 Lite i8, 850nm, with 3 angle options included, 12-24V	10 x 10°	350m (1148ft)
		35 x 10°	165m (541ft)
		60 x 25°	95m (311ft)
		80 x 30° (optional)	70m (230ft)
		120 x 50° (optional)	45m (148ft)
VAR2-LTE-i16-1	VARIO 2 Lite i16, 850nm, with 3 angle options included, 24V	10 x 10°	500m (1640ft)
		35 x 10°	250m (820ft)
		60 x 25°	135m (443ft)
		80 x 30° (optional)	105m (344ft)
		120 x 50° (optional)	65m (213ft)

940nm available, please contact Raytec for more details.

Optional Parts

VAR-iX-lens-8030*	80 x 30° lens
VAR-iX-lens-12050*	120 x 50° lens
VUB-WALL	Wall mount any VARIO illuminator
VUB-POLE	Pole mount any VARIO illuminator

*Replace X with lens size required

PSU Configuration

PSU-VAR2- 20W-1 (small) PSU-VAR2-50W-2 (medium) PSU-VAR2-100W-3 (large) PSU-VAR2-150W-3 (x-large)

Illuminator Configurations	PSU-VAR2-20W-1 (small)	PSU-VAR2-50W-2 (medium)	PSU-VAR2-100W-3 (large)	PSU-VAR2-150W-3 (x-large)
Outputs	1 x 24V DC O/P	up to 2 x 24V DC O/P	up to 3 x 24V DC O/P	up to 3 x 24V DC O/P
Illuminators	1 x VARIO 2 series plus aux output (max 8W)	up to 2 x VARIO 4 series up to 2 x VARIO 6 series 1 x VARIO 8 series	up to 3 x VARIO 4 series up to 3 x VARIO 6 series up to 2 x VARIO 8 series	up to 3 x VARIO 8 series
Other Illuminator options		up to 4 x VARIO 2 series*	up to 8 x VARIO 2 series* up to 4 x VARIO 4 series* up to 4 x VARIO 6 series* 1 x VARIO 16 series	up to 6 x VARIO 4 series* up to 6 x VARIO 6 series* 1 x VARIO 16 series

Please note: for medium, large and x-large PSUs powering an increased number of VARIO illuminators, the total power of the illuminators must not exceed the PSU max output.

*Illuminator output cables may also need to be commoned together to suit the number of available glands.

Mixed model sizes of VARIO illuminators can be powered from the same PSU e.g. PSU-VAR2-50W-2 can also run 2 x VARIO 2 series and 1 x VARIO 4 series subject always to maximum PSU output

Disclaimer

The information provided in this document was accurate at the time of its creation. However, due to the evolving nature of our products and continuous improvements, there may be changes or updates that occur after its publication. For the most current and detailed information about our products, please contact our sales team at sales@raytecled.com.

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