














RAYMAX Infra-Red illuminators are designed to work in conjunction with B&W or Day and Night Cameras. RAYMAX provides class leading performance, long life, low running costs and zero maintenance. All RAYMAX products deliver even illumination and excellent images during the hours of darkness.

	 rayMAX 300	 rayMAX 200	 rayMAX 150	 rayMAX 100	 rayMAX 50	 rayMAX 25
Max Distance	370 m	300 m	183 m	150 m	75 m	35 m
Angles and Max Distances	10°-30° - 370 m 30°-90° - 200 m 50°-180° - 140 m	10°-20° - 300 m 30°-60° - 160 m 50°-100° - 112 m 120°-180° - 64 m	10°-30° - 183 m 30°-90° - 100 m 50°-180° - 70 m	10°-20° - 150 m 30°-60° - 80 m 50°-100° - 56 m 120°-180° - 32 m	10°-20° - 75 m 30°-60° - 40 m 50°-100° - 28 m 120°-180° - 16 m	10° - 35 m 30° - 20 m 50° - 14 m 120° - 8 m
Input	100-230V AC - comes with PSU*	100-230V AC - comes with PSU*	100-230V AC - comes with PSU*	100-230V AC - comes with PSU*	100-230V AC - comes with PSU*	100-230V AC - comes with PSU*
Beam Angle System	Ultimate Adaptive Illumination™	Adaptive Illumination™	Ultimate Adaptive Illumination™	Adaptive Illumination™	Ultimate Adaptive Illumination™	Fixed
Consumption	120 W	80 W	75 W	50 W	20 W	10 W
LED type	SMT LEDs	SMT LEDs	SMT LEDs	SMT LEDs	SMT LEDs	SMT LEDs
No. of LEDs	594	396	324	198	108	45
Wavelength	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)
IP Rating	IP66	IP66	IP66	IP66	IP66	IP66
Temp. Range	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C
Colour	Black	Black	Black	Black	Black	Black
Weight	6 kg	4 kg	3.75 kg	4 kg	1.7 kg	0.5 kg
Dimensions	420 x 195 x 66 mm	280 x 195 x 66 mm	315 x 135 x 55 mm	210 x 150 x 65 mm	160 x 115 x 54 mm	75 x 100 x 54 mm
Additional Features	Power Adjust Telemetry control Adjustable Photocell	Power Adjust Telemetry control Adjustable Photocell	Power Adjust Telemetry control Adjustable Photocell	Power Adjust Telemetry control Adjustable Photocell	Power Adjust Telemetry control Adjustable Photocell	Power Adjust Telemetry control Adjustable Photocell
*External Power Supply (included)						
Input	Universal 100-230V AC auto-sensing	Universal 100-230V AC auto-sensing	Universal 100-230V AC auto-sensing	Universal 100-230V AC auto-sensing	Universal 100-230V AC auto-sensing	Universal 100-230V AC auto-sensing
Output	120 W	80 W	75 W	50 W	20 W	10 W
Weights	2.4 kg	1.8 kg	2.4 kg	1.5 kg	0.9 kg	0.9 kg
Dimensions	240 x 160 x 81 mm	160 x 160 x 90 mm	240 x 160 x 81 mm	160 x 160 x 90 mm	160 x 120 x 80 mm	160 x 120 x 80 mm








rayTEC[®] VARIO

VARIO is a complete family of Infra-Red and White-Light low voltage illuminators delivering the ultimate in functionality, flexibility and reliability. VARIO illuminators combine the latest advances in optics, remote control, electronic feedback and green technology into an outstanding all-round package. PoE models available.

	 VARIO i8-3	 VARIO i4-3	 VARIO i8-2	 VARIO i4-2	 VARIO i2-2
Max Distance	380 m	260 m	310 m	220 m	120 m
Angles and Max Distances	10° x 10° - 380 m 35° x 10° - 208 m 60° x 25° - 140 m 80° x 30° - 90 m 120° x 50° - 80 m	10° x 10° - 260 m 35° x 10° - 135 m 60° x 25° - 78 m 80° x 30° - 52 m 120° x 50° - 40 m	10° x 10° - 310 m 35° x 10° - 170 m 60° x 25° - 112 m 80° x 30° - 70 m 120° x 50° - 65 m	10° x 10° - 220 m 35° x 10° - 120 m 60° x 25° - 65 m 80° x 30° - 45 m 120° x 50° - 30 m	10° x 10° - 120 m 35° x 10° - 65 m 60° x 25° - 45 m 80° x 30° - 30 m 120° x 50° - 20 m
Input	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC
Beam Shape	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)
Beam Angle System	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system
Consumption	144 W	72 W	96 W	48 W	24 W
LED type	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs
No. of LEDs	72	36	48	24	12
Wavelength	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)
IP Rating	IP66	IP66	IP66	IP66	IP66
Temp. Range	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C
Colour	Black	Black	Black	Black	Black
Weight	6.8 kg	3.75 kg	4.5 kg	2.25 kg	1.5 kg
Dimensions	423 x 226 x 66 mm	318 x 182 x 67 mm	279 x 223 x 68 mm	209 x 178 x 67 mm	159 x 144 x 63 mm
Additional Features	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set

rayTEC[®] VARIO









	 VARIO i8-1	 VARIO i4-1	 VARIO i2-1	 VARIO PoE i8	 VARIO PoE i4
Max Distance	220 m	120 m	65 m	220 m	120 m
Angles and Max Distances	10° x 10° - 220 m 35° x 10° - 120 m 60° x 25° - 65 m 80° x 30° - 45 m 120° x 50° - 30 m	10° x 10° - 120 m 35° x 10° - 65 m 60° x 25° - 45 m 80° x 30° - 30 m 120° x 50° - 20 m	10° x 10° - 65 m 35° x 10° - 45 m 60° x 25° - 30 m 80° x 30° - 20 m 120° x 50° - 15 m	10° x 10° - 220 m 35° x 10° - 120 m 60° x 25° - 65 m 80° x 30° - 45 m 120° x 50° - 30 m	10° x 10° - 120 m 35° x 10° - 65 m 60° x 25° - 45 m 80° x 30° - 30 m 120° x 50° - 20 m
Input	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	PoE or 24V DC	PoE or 24V DC
Beam Shape	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)	Elliptical with HRT (Hot Spot Reduction Technology)
Beam Angle System	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system	VARIO interchangeable lens system
Consumption	48 W	24 W	12 W	50 W	25.5 W
LED type	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs	Platinum SMT LEDs
No. of LEDs	24	12	6	24	12
Wavelength	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)	850 nm (940 nm available)
IP Rating	IP66	IP66	IP66	IP66	IP66
Temp. Range	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C	-50° to +50 °C
Colour	Black	Black	Black	Black	Black
Weight	1.65 kg	950 g	600 g	1.65 kg	950 g
Dimensions	135 x 180 x 68.2 mm	100 x 135 x 66 mm	75 x 100 x 64 mm	135 x 180 x 68.2 mm	100 x 135 x 66 mm
Additional Features	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set API for remote control	LED status indicator Photocell following output Photocell Standard kit includes: 10° x 10°, 35° x 10° and 60° x 25° angles Optional remote control for increased feature set API for remote control



rayTEC[®] SPARTAN

SPARTAN is a full range of ATEX/IECEX LED floodlights for hazardous area environments. Available in Infra-Red and white-Light, SPARTAN delivers the highest performance, most energy efficient, modular and maintenance friendly solution for extreme environments; including oil & gas, off-shore, food processing, combined sewer overflow (CSO) and chemical plants.

	 SPARTAN FLOOD WL48	 SPARTAN FLOOD WL24	 SPARTAN FLOOD WL12	 SPARTAN FLOOD IR48	 SPARTAN FLOOD IR24	 SPARTAN FLOOD IR12
Certification	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending	ATEX and IECEx Zone 1&2 Gas & Dust C1D2 & C2D2 pending
Angles available	10° x 10° 35° x 10° 60° x 25° 80° x 30° 120° x 50° +30, 50 and 120° circular options	10° x 10° 35° x 10° 60° x 25° 80° x 30° 120° x 50° +30, 50 and 120° circular options	10° x 10° 35° x 10° 60° x 25° 80° x 30° 120° x 50° +30, 50 and 120° circular options	10° x 10° - 459 m 35° x 10° - 224 m 60° x 25° - 160 m 80° x 30° - 103 m 120° x 50° - 69 m +30, 50 and 120° circular options	10° x 10° - 325 m 35° x 10° - 158 m 60° x 25° - 113 m 80° x 30° - 73 m 120° x 50° - 49 m +30, 50 and 120° circular options	10° x 10° - 230 m 35° x 10° - 112 m 60° x 25° 80 m 80° x 30° - 52 m 120° x 50° - 35 m +30, 50 and 120° circular options
Input	110-254V 50/60Hz AC only Low voltage option available.	110-254V 50/60Hz AC only Low voltage option available.	110-254V 50/60Hz AC only Low voltage option available.	100-254V AC - 50/60Hz AC only Low voltage option available.	100-254V AC - 50/60Hz AC only Low voltage option available.	100-254V AC - 50/60Hz AC only Low voltage option available.
Beam Shape	Elliptical or Circular	Elliptical or Circular	Elliptical or Circular	Elliptical or Circular	Elliptical or Circular	Elliptical or Circular
Beam Angle System	Vario interchangeable lens system (elliptical) / Fixed (circular)	Vario interchangeable lens system (elliptical) / Fixed (circular)	Vario interchangeable lens system (elliptical) / Fixed (circular)	Vario interchangeable lens system (elliptical) / Fixed (circular)	Vario interchangeable lens system (elliptical) / Fixed (circular)	Vario interchangeable lens system (elliptical) / Fixed (circular)
Consumption	136 W	68 W	34 W	136 W	68 W	34 W
LED type	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs	Platinum Elite SMT LEDs
No. of LEDs	48	24	12	48	24	12
Power output (luminous flux)	Up to 10,000 lm - circular beam Up to 9,000 lm - elliptical beam	Up to 5,000 lm - circular beam Up to 4,500 lm - elliptical beam	Up to 2,500 lm - circular beam Up to 2,250 lm - elliptical beam	-	-	-
Wavelength	White-Light	White-Light	White-Light	850 nm	850 nm	850 nm
IP Rating	IP66 and IP67	IP66 and IP67	IP66 and IP67	IP66 and IP67	IP66 and IP67	IP66 and IP67
Temp. Range	-52° to +50 °C	-52° to +50 °C	-52° to +50 °C	-52° to +50 °C	-52° to +50 °C	-52° to +50 °C
Colour	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey	Silver/Grey
Weight	16 kg	8 kg	5 kg	16 kg	8 kg	5 kg
Dimensions	291 x 438 x 151 mm	291 x 247 x 150 mm	192 x 206 x 170 mm	291 x 438 x 151 mm	291 x 247 x 150 mm	192 x 206 x 170 mm