



Illumination Distance Chart Jan 2011

Infra-Red Illuminators

Short Range

IR148 SERIES	Angle	Wavelength	Power	Feet	Meters
IR148-A10-24	10°	850nm	12-32VDC / 24VAC	148	45
IR148-A30-24	30°	850nm	12-32VDC / 24VAC	82	25
IR148-A60-24	60°	850nm	12-32VDC / 24VAC	62	19
IR148-A100-24	100°	850nm	12-32VDC / 24VAC	51	15
IR148-A120-24	120°	850nm	12-32VDC / 24VAC	43	13
IR148-C10-24	10°	940nm	12-32VDC / 24VAC	69	21
IR148-C30-24	30°	940nm	12-32VDC / 24VAC	39	12
IR148-C60-24	60°	940nm	12-32VDC / 24VAC	30	9
IR148-C100-24	100°	940nm	12-32VDC / 24VAC	24	7
IR148-C120-24	120°	940nm	12-32VDC / 24VAC	20	6

IR148 PoE SERIES	Angle	Wavelength	Power	Feet	Meters
IR148-A10-PoE	10°	850nm	PoE IEEE802.3af	115	35
IR148-A30-PoE	30°	850nm	PoE IEEE802.3af	77	20
IR148-A60-PoE	60°	850nm	PoE IEEE802.3af	49	15
IR148-A100-PoE	100°	850nm	PoE IEEE802.3af	40	12
IR148-A120-PoE	120°	850nm	PoE IEEE802.3af	33	10

Medium Range

IR229 SERIES	Angle	Wavelength	Power	Feet	Meters
IR229-A10-24	10°	850nm	24VAC	229	70
IR229-A20-24	20°	850nm	24VAC	164	50
IR229-A30-24	30°	850nm	24VAC	131	40
IR229-C10-24	10°	940nm	24VAC	115	35
IR229-C20-24	20°	940nm	24VAC	82	25
IR229-C30-24	30°	940nm	24VAC	65	20

IR312 SERIES	Angle	Wavelength	Power	Feet	Meters
IR312-A10-24	10°	850nm	12-32VDC / 24VAC	312	95
IR312-A30-24	30°	850nm	12-32VDC / 24VAC	164	50
IR312-A60-24	60°	850nm	12-32VDC / 24VAC	115	35
IR312-A100-24	100°	850nm	12-32VDC / 24VAC	80	24
IR312-A120-24	120°	850nm	12-32VDC / 24VAC	66	20
IR312-C10-24	10°	940nm	12-32VDC / 24VAC	148	45
IR312-C30-24	30°	940nm	12-32VDC / 24VAC	79	24
IR312-C60-24	60°	940nm	12-32VDC / 24VAC	56	17
IR312-C100-24	100°	940nm	12-32VDC / 24VAC	40	12
IR312-C120-24	120°	940nm	12-32VDC / 24VAC	33	10

IR312 PoE SERIES	Angle	Wavelength	Power	Feet	Meters
IR312-A10-PoE	10°	850nm	PoE+ IEEE802.3at	312	95
IR312-A30-PoE	30°	850nm	PoE+ IEEE802.3at	164	50
IR312-A60-PoE	60°	850nm	PoE+ IEEE802.3at	115	35
IR312-A100-PoE	100°	850nm	PoE+ IEEE802.3at	80	24
IR312-A120-PoE	120°	850nm	PoE+ IEEE802.3at	66	20
IR312-C10-PoE	10°	940nm	PoE+ IEEE802.3at	148	45
IR312-C30-PoE	30°	940nm	PoE+ IEEE802.3at	79	24
IR312-C60-PoE	60°	940nm	PoE+ IEEE802.3at	56	17
IR312-C100-PoE	100°	940nm	PoE+ IEEE802.3at	40	12
IR312-C120-PoE	120°	940nm	PoE+ IEEE802.3at	33	10

Long Range

IR623 SERIES	Angle	Wavelength	Power	Feet	Meters
IR623-A10-24	10°	850nm	12-32VDC / 24VAC	623	190
IR623-A30-24	30°	850nm	12-32VDC / 24VAC	328	100
IR623-A60-24	60°	850nm	12-32VDC / 24VAC	246	75
IR623-A100-24	100°	850nm	12-32VDC / 24VAC	160	48
IR623-A120-24	120°	850nm	12-32VDC / 24VAC	131	40
IR623-C10-24	10°	940nm	12-32VDC / 24VAC	295	90
IR623-C30-24	30°	940nm	12-32VDC / 24VAC	157	48
IR623-C60-24	60°	940nm	12-32VDC / 24VAC	118	36
IR623-C100-24	100°	940nm	12-32VDC / 24VAC	75	23
IR623-C120-24	120°	940nm	12-32VDC / 24VAC	62	19

Super Long Range

IR919 SERIES	Angle	Wavelength	Power	Feet	Meters
IR919-A10-24	10°	850nm	12-32VDC / 24VAC	919	280
IR919-A30-24	30°	850nm	12-32VDC / 24VAC	623	190
IR919-A60-24	60°	850nm	12-32VDC / 24VAC	410	125
IR919-A100-24	100°	850nm	12-32VDC / 24VAC	236	72
IR919-A120-24	120°	850nm	12-32VDC / 24VAC	197	60
IR919-C10-24	10°	940nm	12-32VDC / 24VAC	443	135
IR919-C30-24	30°	940nm	12-32VDC / 24VAC	295	90
IR919-C60-24	60°	940nm	12-32VDC / 24VAC	197	60
IR919-C100-24	100°	940nm	12-32VDC / 24VAC	114	35
IR919-C120-24	120°	940nm	12-32VDC / 24VAC	95	29

Stated illumination distance determined using B&W or day/night video camera
 These cameras have a 1/3" CCD sensor with 0.01lx sensitivity and F 1.4 objective lens



Illumination Distance Chart Jan 2011

White Light Illuminators

Short Range

WL100 SERIES	Angle	Wavelength	Power	Feet	Meters
WL100-15-24	15°	Visible	24VAC	165	50
WL100-25-24	25°	Visible	24VAC	132	40
WL100-35-24	35°	Visible	24VAC	99	30

WL105 SERIES	Angle	Wavelength	Power	Feet	Meters
WL105-10-24	10°	Visible	12-32VDC / 24VAC	105	32
WL105-30-24	30°	Visible	12-32VDC / 24VAC	59	18
WL105-60-24	60°	Visible	12-32VDC / 24VAC	43	13
WL105-100-24	100°	Visible	12-32VDC / 24VAC	36	11
WL105-120-24	120°	Visible	12-32VDC / 24VAC	30	9

WL105 PoE SERIES	Angle	Wavelength	Power	Feet	Meters
WL105-10-PoE	10°	Visible	PoE IEEE802.3af	82	25
WL105-30-PoE	30°	Visible	PoE IEEE802.3af	46	14
WL105-60-PoE	60°	Visible	PoE IEEE802.3af	33	10
WL105-100-PoE	100°	Visible	PoE IEEE802.3af	28	8
WL105-120-PoE	120°	Visible	PoE IEEE802.3af	23	7

Medium Range

WL220 SERIES	Angle	Wavelength	Power	Feet	Meters
WL220-10-24	10°	Visible	12-32VDC / 24VAC	220	67
WL220-30-24	30°	Visible	12-32VDC / 24VAC	115	35
WL220-60-24	60°	Visible	12-32VDC / 24VAC	82	25
WL220-100-24	100°	Visible	12-32VDC / 24VAC	55	17
WL220-120-24	120°	Visible	12-32VDC / 24VAC	46	14

WL220 PoE SERIES	Angle	Wavelength	Power	Feet	Meters
WL220-10-PoE	10°	Visible	PoE+ IEEE802.3at	220	67
WL220-30-PoE	30°	Visible	PoE+ IEEE802.3at	115	35
WL220-60-PoE	60°	Visible	PoE+ IEEE802.3at	82	25
WL220-100-PoE	100°	Visible	PoE+ IEEE802.3at	55	17
WL220-120-PoE	120°	Visible	PoE+ IEEE802.3at	46	14

Long Range

WL436 SERIES	Angle	Wavelength	Power	Feet	Meters
WL436-10-24	10°	Visible	12-32VDC / 24VAC	436	133
WL436-30-24	30°	Visible	12-32VDC / 24VAC	230	70
WL436-60-24	60°	Visible	12-32VDC / 24VAC	174	53
WL436-100-24	100°	Visible	12-32VDC / 24VAC	110	33
WL436-120-24	120°	Visible	12-32VDC / 24VAC	92	28

Super Long Range

WL643 SERIES	Angle	Wavelength	Power	Feet	Meters
WL643-10-24	10°	Visible	12-32VDC / 24VAC	643	196
WL643-30-24	30°	Visible	12-32VDC / 24VAC	436	133
WL643-60-24	60°	Visible	12-32VDC / 24VAC	289	88
WL643-100-24	100°	Visible	12-32VDC / 24VAC	166	50
WL643-120-24	120°	Visible	12-32VDC / 24VAC	138	42

Stated illumination distance determined using B&W or day/night video camera
These cameras have a 1/3" CCD sensor with 0.01lx sensitivity and F 1.4 objective lens