



Illumination Distance Chart

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-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-C120-24	120°	940nm	12-32VDC / 24VAC	20	6

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-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-C120-24	120°	940nm	12-32VDC / 24VAC	33	10

IR328 SERIES	Angle	Wavelength	Power	Feet	Meters
IR328-A30-24	30°	850nm	24VAC	328	100
IR328-A120-24	120°	850nm	24VAC	98	30

IR330 SERIES	Angle	Wavelength	Power	Feet	Meters
IR330-A30-24	30°	850nm	24VAC	330	100

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-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-C120-24	120°	940nm	12-32VDC / 24VAC	62	19

IR820 SERIES	Angle	Wavelength	Power	Feet	Meters
IR820-A30-24	30°	850nm	24VAC	820	250
IR820-A120-24	120°	850nm	24VAC	180	55

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-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-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

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Illumination Distance Chart

White Light Illuminators

Short Range

WL100 SERIES	Angle	Wavelength	Power	Feet	Meters
WL100-10-24	10°	Visible	24VAC	100	30
WL100-25-24	25°	Visible	24VAC	80	25
WL100-30-24	30°	Visible	24VAC	65	20
WL100-45-24	45°	Visible	24VAC	30	9

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
WL105-120-24	120°	Visible	12-32VDC / 24VAC	30	9

Medium Range

WL197 SERIES	Angle	Wavelength	Power	Feet	Meters
WL197-10-24	10°	Visible	24VAC	377	115
WL197-30-24	30°	Visible	24VAC	197	60
WL197-120-24	120°	Visible	24VAC	60	18

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
WL220-120-24	120°	Visible	12-32VDC / 24VAC	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
WL436-120-24	120°	Visible	12-32VDC / 24VAC	92	28

WL525 SERIES	Angle	Wavelength	Power	Feet	Meters
WL525-30-24	30°	Visible	24VAC	525	160
WL525-120-24	120°	Visible	24VAC	115	35

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
WL643-120-24	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