

IR Illuminator Range Guidelines

IRL/IRLC Series

Model	Typical Range	Beam	nm
IRL585A / IRLC685	30'	60°	850nm
IRL285A / IRLC385	50'	30°	850nm
Semi-covert (slightly visible glow)			

Model	Typical Range	Beam	nm
IRL594A / IRLC694	12'	60°	940nm
IRL294A / IRLC394	20'	30°	940nm
Covert (no visible glow)			

UFL Series

Model	Typical Range	Beam	nm
UFL685	41'	60°	850nm
UFL385	75'	30°	850nm
Semi-covert (slightly visible glow)			

Model	Typical Range	Beam	nm
UFL694	16'	60°	940nm
UFL394	30'	30°	940nm
Covert (no visible glow)			

UF100 Series

Model	Typical Range	Beam	nm
UF100673	50'	60°	730nm
UF100373	90'	30°	730nm
UF100173	150'	10°	730nm
Visible glow			

Model	Typical Range	Beam	nm
UF100683	35'	60°	830nm
UF100383	63'	30°	830nm
UF100183	105'	10°	830nm
Semi-covert (slightly visible glow)			

Model	Typical Range	Beam	nm
UF100695	20'	60°	950nm
UF100395	36'	30°	950nm
UF100195	60'	10°	950nm
Covert (no visible glow)			

UF500 Series

Model	Typical Range	Beam	nm
UF500673	180'	60°	730nm
UF500373	246'	30°	730nm
UF500173	344'	10°	730nm
UF500S73	460'	5°	730nm
Visible glow			

Model	Typical Range	Beam	nm
UF500683	126'	60°	830nm
UF500383	172'	30°	830nm
UF500183	240'	10°	830nm
UF500S83	322'	5°	830nm
Semi-covert (slightly visible glow)			

Model	Typical Range	Beam	nm
UF500695	72'	60°	950nm
UF500395	98'	30°	950nm
UF500195	138'	10°	950nm
UF500S95	184'	5°	950nm
Covert (no visible glow)			

Note: The above ranges are indicated as a general guide and the actual results depend on the performance of the camera and lenses as well as the reflectivity of the scene, weather conditions, etc. Rainbow's Enhanced-IR cameras typically provide 30% better range.