

RL-200 Range Table

Actual ranges will depend upon the flash character and duty cycle used. The following flash examples (2.0 and 1.0 second on) are based on a 30% flash character duty cycle at T=0.74.

	Spreader	Flat Nm (Candela)	3 degree Nm (Candela)	6 degree Nm (Candela)	7.5 degree Nm (Candela)	10 degree Nm (Candela)	20 degree Nm (Candela)	27 degree Nm (Candela)
White	Power (W)	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	Divergence	1.7 deg.	1.7 deg.	1.7 deg.	1.7 deg.	1.7 deg.	1.7 deg.	1.7 deg.
	Fixed	16.2 (23450)	14.7 (12260)	13.6 (7620)	13.3 (6830)	12.6 (4980)	11.2 (2510)	10.7 (1900)
	2.0 sec. flash	16.1 (22597)	14.5 (11814)	13.5 (7343)	13.2 (6582)	12.6 (4799)	11.2 (2419)	10.6 (1831)
	1.0 sec. flash	15.9 (20714)	14.4 (10830)	13.3 (6731)	13.1 (6033)	12.4 (4399)	11.0 (2217)	10.3 (1678)
Red	Power (W)	3.11	3.1	3.1	3.1	3.1	3.1	3.1
	Divergence	2.4 deg.	2.4 deg.	2.4 deg.	2.4 deg.	2.4 deg.	2.4 deg.	2.4 deg.
	Fixed	16.2 (23778)	15.2 (15115)	14.1 (9929)	13.9 (8723)	12.8 (5638)	11.7 (3105)	11.0 (2342)
	2.0 sec. flash	16.1 (22714)	15.1 (14438)	14.1 (9485)	13.8 (8333)	12.8 (5386)	11.5 (2966)	11.0 (2237)
	1.0 sec. flash	15.9 (20714)	14.9 (13235)	13.9 (8694)	13.6 (7638)	12.6 (4937)	11.4 (2719)	10.8 (2050)
Green	Power (W)	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	Divergence	1.9 deg.	1.9 deg.	1.9 deg.	1.9 deg.	1.9 deg.	1.9 deg.	1.9 deg.
	Fixed	17.7 (19310)	14.5 (11600)	13.5 (7200)	13.2 (6470)	12.4 (4370)	11.2 (2430)	10.6 (1830)
	2.0 sec. flash	15.7 (19310)	14.5 (11600)	13.5 (7200)	13.2 (6470)	12.4 (4370)	11.2 (2430)	10.6 (1830)
	1.0 sec. flash	15.5 (17701)	14.4 (10633)	13.2 (6600)	13.0 (5931)	12.2 (4006)	11.0 (2228)	10.3 (1687)
Yellow	Power (W)	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	Divergence	2.1 deg.	2.1 deg.	2.1 deg.	2.1 deg.	2.1 deg.	2.1 deg.	2.1 deg.
	Fixed	15.1 (14910)	13.9 (8560)	12.8 (5530)	12.6 (4850)	11.7 (3170)	10.5 (1760)	9.9 (1310)
	2.0 sec. flash	15.4 (17485)	14.3 (10039)	13.2 (6485)	12.8 (5688)	12.0 (3718)	10.8 (2064)	10.2 (1536)
	1.0 sec. flash	15.3 (16028)	14.1 (9202)	13.0 (5945)	12.7 (5214)	11.8 (3408)	10.6 (1892)	10.1 (1408)

As per IALA recommendations, all figures above are shown at the “tenth percentile” point. This means that the lantern is actually brighter in 90% of the horizontal axis than the above published intensity. Vertical divergence figures are also at the IALA recommended tenth percentile at 50%.