

## SolaMAX-140/155 Range Table (Self Contained)

Power to the LED is variable to allow users to match range and duty cycle to their exact location requirements. Actual ranges will depend upon the flash character and duty cycle used. The following flash examples (1.0 and 0.5 second on) are based on a 30% flash character duty cycle at T=0.74.

### 100% Power

Color	Flash	SolaMAX-140 Nm (Candela)	SolaMAX-155 Nm (Candela)
White	Power (W)	4.5	4.5
	Divergence	9.3 degrees	4.0 degrees
	1.0 sec. flash	5.4 (95)	6.3 (185)
	0.5 sec. flash	5.1 (82)	6.0 (159)
Red	Power (W)	4.5	4.5
	Divergence	8.9 degrees	4.1 degrees
	1.0 sec. flash	5.4 (103)	6.2 (176)
	0.5 sec. flash	5.2 (88)	6.0 (150)
Green	Power (W)	4.5	4.5
	Divergence	8.7 degrees	3.7 degrees
	1.0 sec. flash	5.1 (81)	6.1 (160)
	0.5 sec. flash	4.8 (69)	5.8 (137)
Yellow	Power (W)	4.5	4.5
	Divergence	8.9 degrees	3.6 degrees
	1.0 sec. flash	4.9 (70)	5.8 (136)
	0.5 sec. flash	4.7 (60)	5.5 (116)

### 50% Power

Color	Flash	SolaMAX-140 Nm (Candela)	SolaMAX-155 Nm (Candela)
White	Power (W)	2.2	2.2
	1.0 sec. flash	4.3 (46)	5.3 (93)
	0.5 sec. flash	4.0 (40)	5.0 (79)
Red	Power (W)	2.2	2.25
	1.0 sec. flash	4.3 (48)	5.1 (82)
	0.5 sec. flash	4.1 (41)	4.9 (70)
Green	Power (W)	2.2	2.2
	1.0 sec. flash	4.0 (40)	5.0 (79)
	0.5 sec. flash	3.8 (34)	4.8 (68)
Yellow	Power (W)	2.2	2.2
	1.0 sec. flash	3.6 (29)	4.6 (56)
	0.5 sec. flash	3.3 (25)	4.3 (48)

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%.