



590nm Peak Wave Output

Pure Emitter Output maintains tight wavelength tolerance

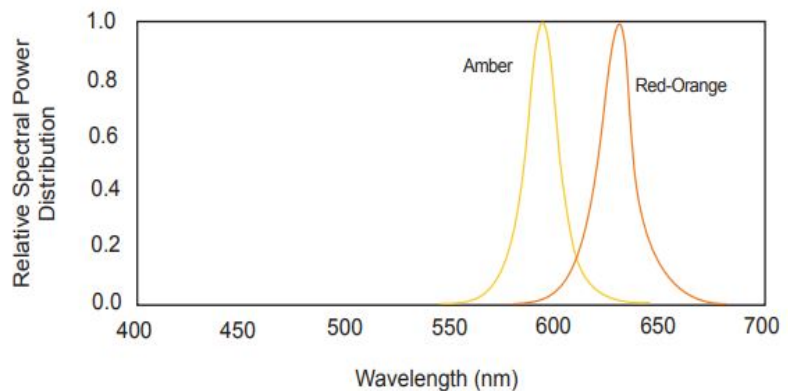
Optimal for Wildlife and Human Circadian cycles.

Amber color is used for environmentally sensitive areas and our 590 nano meter wavelength is considered to be in the optimal range by regulatory authorities. Amber is also being touted in residential areas as a more harmonious and healthful alternative to high blue content white lighting. Amber lighting is more congruent with the circadian cycle and human sleep patterns. It also preserves night vision and useful near airports and shipping channels where night time vision is critical to safety. In some cases extra lead time is required. This Option is available on any configuration of the AF300T, AF150T and AF100T. This will become available on WP60 and WP100 in the near future.

Lumens per watt > 80

Pure Emitter Technology - No Phosphor Conversion

Amber/Orange nm range 587 - 592 Peak Wavelength 590



Color	Dominant Wavelength (nm)			Typical Spectral Half-width ^[3] (nm) $\Delta\lambda_{1/2}$	Typical Temperature Coefficient of Dominant Wavelength (nm/°C) $\Delta\lambda_D / \Delta T_j$	Typical Total Included Angle ^[4] (degrees) $\theta_{0.90V}$	Typical Viewing Angle ^[5] (degrees) $2\theta_{1/2}$
	Minimum	Typical	Maximum				
Red-Orange	613.0 nm	617.0 nm	620.0 nm	20	0.08	160	125
Amber	587.0 nm	590.0 nm	592.0 nm	14	0.10	160	125