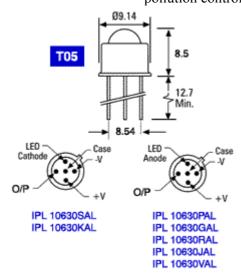
IPL 10630 Series Self Monitoring Emitters



This range of devices is of use where a visible light or IR source is required to be maintained at a level with greater short and long term stability than may be obtained from simple LEDs. A photoamplifier is incorporated within the package so that a voltage signal proportional to the brightness is available. This signal may be used in a simple closed loop to maintain a high degree of stability in the emitted light. Alternative configurations allow the brightness to be adjusted under the precise control of a linear signal. These devices lend themselves to a host of applications including turbidity monitoring and pollution control both in the liquid and gaseous phases.



Product Data

IPL 10630 Series -- Hybrid Emitters

		Wavelength	FWHM	LED Current mA		Luminous	Irradiance@20mA
DEVICE	Colour	Ū		Cont	PEAK	cd	<u> </u>
IPL10630PAL	BLUE	425	75	20	70	0.033	0.7µWmm
IPL10630PGAL	GREEN	565	25	40	100	1.66	0.25µWmm ⁻²
IPL10630RAL	YELLOW	585	36	40	100	0.44	0.08µWmm ⁻²
IPL10630SAL	ORANGE	615	25	40	100	7.3	$2.5\mu Wmm^{-2}$
IPL10630JAL	RED	635	45	40	100	0.6	$0.4\mu Wmm^{-2}$
IPL10630KAL	IR	880	100	40	100	N/A	$3.0\mu Wmm^{-2}$
IPL10630VAL	IR	950	70	40	100	N/A	$3.0\mu Wmm^{-2}$

(Single or Dual rail ±2v to ±18v)

Application Notes:

