



# Energy Efficient Direct Incandescent Replacement 595nm Yellow Based LED Lamps



## Features

- Maintenance Free, Easy Installation
- Direct Mount in Industry Standard Sockets Without Modification
- Solid-State, High Shock/Vibration Resistant
- Built-in Current Limiting Resistors
- Long Life 100,000+ hrs (10 Years)
- Low Power, High Intensity
- Major Power Savings
- Major Reduction in Heat Generation
- Wide Angle 120° Illumination
- InGaAlP LED Technology
- 3 Year Warranty

## Options

- 592nm InGa SP Yellow Available
- Special Voltages
- High Power Multichip Configurations
- Narrow Beam (20°) Illumination
- Red, Orange, Green, Blue, White, IR

Subminiature Packages	Replaces Incandescent	Part Number	Electrical-Optical Characteristics (Ta = 25°C)				Angle of Illumination	Special Features
			Voltage V typ	Current mA typ	Intensity Ft. Cd	Intensity mcd		
 <b>F121</b> Ceramic Base <b>FF120</b>	EXT. RES. REQD	FF120CY3K-2Vf-P	2Vf	20	18	32	120°	Center Contact Polarity P = Positive N = Negative Replace FF120 With F120 Medium (50°) Beam Intensity 1K mcd
	682,685,714,718	FF120CY3K-5V-P	5V	20	18	32		
	7241	FF120CY3K-18V-P	18V	15	11	21		
	6839	FF120CY3K-24V-P	24V	12	8	15		
	6839	FF120CY3K-28V-P	28V	12	8	15		
 <b>BP121</b> Ceramic Base <b>BPF120</b>	EXT. RES. REQD	BPF120CY3K-2Vf	2Vf	20	18	32	120°	Replace BPF120 With BP120 Medium (50°) Beam Intensity 1K mcd@20 mA
	7265,7680,7714	BPF120CY3K-5V	5V	20	18	32		
		BPF120CY3K-14V	12/14V	15	11	21		
	7839	BPF120CY3K-24V	24V	12	8	15		
	7839	BPF120CY3K-28V	28V	12	8	15		
 <b>WF150</b>	EXT. RES. REQD	WF150CY3K-2V	2Vf	20	36	116	120°	Replace WF150 With W150 Narrow Beam (15°) Intensity 3.2K mcd@20 mA
	56,79,84,86	WF150CY3K-5V	5V	20	36	116		
	18,37,73,74	WF150CY3K-14V	12/14V	20	36	116		
	17, 85	WF150CY3K-24V	24V	15	24	75		
	17, 85	WF150CY3K-28V	28V	15	24	75		
 <b>WF200</b>	EXT. RES. REQD	WF200CY3K-2V	2Vf	20	36	116	120°	Replace WF200 With W200 Narrow Beam (15°) Intensity 3.2K mcd@ 20 mA
	56,79,84,86	WF200CY3K-5V	5V	20	36	116		
	18,37,73,74	WF200CY3K-14V	12/14V	20	36	116		
	17, 85	WF200CY3K-24V	24V	15	24	75		
	17, 85	WF200CY3K-28V	28V	15	24	75		
 <b>FF200</b>	EXT. RES. REQD	FF200CY3K-2Vf-P	2Vf	20	36	116	120°	Center Contact Polarity BP = BiPolar AC/DC Replace FF200 With F200 Narrow (15°) Beam Intensity 3.2K mcd@20 mA
	328,345,350	FF200CY3K-5V-P	5V	20	36	116		
	330,382,394	FF200CY3K-14V-P	12/14V	20	36	116		
	327,376,387	FF200CY3K-24V-P	24V	15	24	75		
	327,376,387	FF200CY3K-28V-P	28V	15	24	75		
 <b>GF200</b>	EXT. RES. REQD	GF200CY3K-2Vf-P	2Vf	20	36	116	120°	Center Contact Polarity BP = BiPolar AC/DC Replace GF200 With G200 Narrow (15°) Beam Intensity 3.2K mcd@20 mA
	337,379,398	GF200CY3K-5V-P	5V	20	36	116		
	386	GF200CY3K-14V-P	12/14V	20	36	116		
	334,388	GF200CY3K-24V-P	24V	15	24	75		
	334,388	GF200CY3K-28V-P	28V	15	24	75		
 <b>SF200</b>	EXT. RES. REQD	SF200CY3K-2Vf-P	2Vf	20	36	116	120°	Center Contact Polarity P = Positive N = Negative Replace SF200 With S200 Narrow (15°) Beam Intensity 3.2K mcd@20 mA
	378,1768,1775	SF200CY3K-5V-P	5V	20	36	116		
	336,383	SF200CY3K-14V-P	12/14V	20	36	116		
	342	SF200CY3K-24V-P	24V	15	24	75		
	335,342,369,399	SF200CY3K-28V-P	28V	15	24	75		
 <b>BPF200</b>	7328	BPF200CY3K-5V	5V	20	36	116	120°	Replace BPF200 With BP200 Narrow (15°) Beam Intensity 3.2K mcd@20 mA
	7371	BPF200CY3K-12V	12V	20	36	116		
	7330,7382	BPF200CY3K-14V	12/14V	20	36	116		
	7327,7387	BPF200CY3K-24V	24V	15	24	75		
	7327,7387	BPF200CY3K-28V	28V	15	24	75		

All dimensions in inches. For millimeters multiply by 25.4

Log # 095A Rev 4-00

