



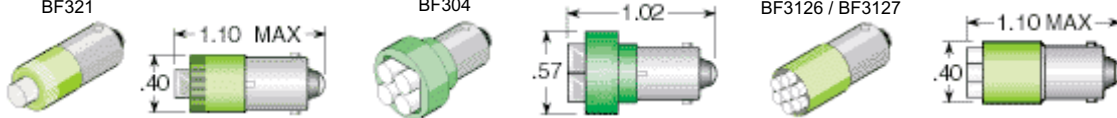
Direct Incandescent Replacement -- Up to 90% Energy Savings

T3¼ (9mm) Miniature Based LED Lamps

Replaces Incandescent: 6MB, 44, 47, 755 (5/6V) 12MB, 756 (12/14V) 24MB (24V) 313, 757, 1819, 1829 (28V) 48MB (48V) 60MB, 1835 (60V) 120MB, NE51H (120VAC)

All dimensions in inches. For millimeters multiply by 25.4

See below for [Custom Optional Configurations](#)



Mark To Order	Part Number	Retail Price (Volume Price Available)	Min. Order	Electrical-Optical Characteristics (T _a = 25°C)			Illumination Angle	Custom Options
				Voltage (V) typ	Current (mA) typ	Intensity (mcd)		
570nm Lime Green InGaAlP BF321 (1LED)								
	BF321-0UG-006B			6V	20	58	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF321 with B321 for Narrow (12-15°) Beam Intensity 1K mcd @ 20mA
	BF321-0UG-014B			12/14V	20	58		
	BF321-0UG-024B			24V	20	58		
	BF321-0UG-028B			28V	20	58		
	BF321-0UG-048B			48V	12	35		
	BF321-0UG-060B			60V	12	35		
	BF321-0UG-120A			120VAC	10	29		
	BF321-0UG-130B			130V	8	23		
570nm Lime Green InGaAlP BF304 (4LED)								
	BF304-0UG-006B			6V	80	232	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF304 with B304 for Narrow (12-15°) Beam Intensity 4K mcd @ 20mA
	BF304-0UG-014B			12/14V	40	232		
	BF304-0UG-024B			24V	20	232		
	BF304-0UG-028B			28V	20	232		
	BF304-0UG-048B			48V	12	140		
	BF304-0UG-060B			60V	12	140		
	BF304-0UG-120A			120VAC	10	116		
	BF304-0UG-130B			130V	8	92		
570nm Lime Green InGaAlP BF3126 (6LED) & BF3127 (7LED)								
	BF3126-0UG-006B			6V	120	216	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF3126/3127 with B3126/3127 for Medium (50°) Beam Intensity 1.2K mcd @ 20mA
	BF3126-0UG-014B			12/14V	40	216		
	BF3127-0UG-024B			24V	20	252		
	BF3127-0UG-028B			28V	20	252		
	BF3127-0UG-048B			48V	12	154		
	BF3127-0UG-060B			60V	12	154		
	BF3127-0UG-120A			120VAC	10	126		
	BF3127-0UG-130B			130V	8	100		
525nm Aqua Green SiC/GaN BF321 (1LED)								
	BF321-0AG-006B			6V	15	400	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF321 with B321 for Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd @ 15mA
	BF321-0AG-014B			12/14V	15	400		
	BF321-0AG-024B			24V	15	400		
	BF321-0AG-028B			28V	15	400		
	BF321-0AG-048B			48V	12	320		
	BF321-0AG-060B			60V	12	320		
	BF321-0AG-120A			120VAC	10	275		
	BF321-0AG-130B			130V	8	230		

Mark To Order	Part Number	Retail Price (Volume Price Available)	Min. Order	Electrical-Optical Characteristics (T _a = 25°C)			Illumination Angle	Custom Options
				Voltage (V) typ	Current (mA) typ	Intensity (mcd)		
525nm Aqua Green SiC/GaN BF321 (1LED)								
	BF321-1AG-006B			6V	15	200	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF321 with B321 for Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd @ 15mA
	BF321-1AG-014B			12/14V	15	200		
	BF321-1AG-024B			24V	15	200		
	BF321-1AG-028B			28V	15	200		
	BF321-1AG-048B			48V	12	160		
	BF321-1AG-060B			60V	12	160		
	BF321-1AG-120A			120VAC	10	130		
	BF321-1AG-130B			130V	8	106		
525nm Aqua Green SiC/GaN BF304 (4LED)								
	BF304-0AG-006B			6V	60	1600	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF304 with B304 for Narrow (15°) Beam Intensity 28K mcd/1000 Ft.Cd @ 15mA
	BF304-0AG-014B			12/14V	30	1600		
	BF304-0AG-024B			24V	15	1600		
	BF304-0AG-028B			28V	15	1600		
	BF304-0AG-048B			48V	12	1280		
	BF304-0AG-060B			60V	12	1280		
	BF304-0AG-120A			120VAC	10	1100		
	BF304-0AG-130B			130V	8	920		
525nm Aqua Green SiC/GaN BF304 (4LED)								
	BF304-1AG-006B			6V	60	800	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF304 with B304 for Narrow (15°) Beam Intensity 28K mcd/1000 Ft.Cd @ 15mA
	BF304-1AG-014B			12/14V	30	800		
	BF304-1AG-024B			24V	15	800		
	BF304-1AG-028B			28V	15	800		
	BF304-1AG-048B			48V	12	640		
	BF304-1AG-060B			60V	12	640		
	BF304-1AG-120A			120VAC	10	550		
	BF304-1AG-130B			130V	8	460		
525nm Aqua Green SiC/GaN BF3126 (6LED) & BF3127 7LED)								
	BF3126-0AG-006B			6V	90	1200	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF3126/3127 with B3126/3127 for Std. (50°) Beam Intensity 30K mcd/800 Ft.Cd @ 15mA
	BF3126-0AG-014B			12/14V	30	1200		
	BF3126-0AG-024B			24V	15	1400		
	BF3127-0AG-028B			28V	15	1400		
	BF3127-0AG-048B			48V	12	1190		
	BF3127-0AG-060B			60V	12	1190		
	BF3127-0AG-120A			120VAC	10	1050		
	BF3127-0AG-130B			130V	8	910		
525nm Aqua Green SiC/GaN BF3126 (6LED) & BF3127(7LED)								
	BF3126-1AG-006B			6V	90	600	120°	Center Contact Polarity B = Bipolar AC/DC, A = AC only Replace BF3126/3127 with B3126/3127 for Std. (50°) Beam Intensity 30K mcd/800 Ft.Cd @ 15mA
	BF3126-1AG-014B			12/14V	30	600		
	BF3126-1AG-024B			24V	15	700		
	BF3127-1AG-028B			28V	15	700		
	BF3127-1AG-048B			48V	12	590		
	BF3127-1AG-060B			60V	12	590		
	BF3127-1AG-120A			120VAC	10	525		
	BF3127-1AG-130B			130V	8	455		