

LIF Class F Microprojection Lamps

Code	Substitutes	Watts	Volts	Cap	Bulb	Finish	Filament	Type	Lumens	Colour	Life	Position	LCL	MOL	Source	Application	Notes	
F/1	F/26 ^{LL}	30	6	E14s	P-38	Clear	C-6	I	600		25	H ±30°	47 5	62.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/2	(F/38)	48	6	B15d	P-35	Clear	C-6	I	816		100	VBD ±135°	40 3	65.0		Microprojector		
F/3	(F/17)	24	12	B15d	P-38	Clear	C-6	I	440		100	H ±30°	44 5	65.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/4		48	12	E14s	P-50	Clear	C-2	I	950		100	VBD ±135°	40 3	81.0		Microprojector		
F/5	None	9	18	E10s	G-18	Clear	C-2R	I	120		100	Any	25.0 2	39.0		Microprojector		
F/6	(F/65)	30	12	E14s	P-38	Clear		I	600		100	VBD ±135°	45.0 2	65.0		Microprojector		
F/7		48	8	E14s	P-38	Clear	C-6	I	864		100	VBD ±135°	41 3	65.0		Microprojector		
F/8	None	12	12	B15d	P-35	Clear	C-6	I	190		100	H ±30°	40.0 3	62.0		Microprojector		
F/9	(F/77)	48	8	E14s	G-38	Clear	C-6	I	960		100	VBD ±135°	47 2	68.0		Microprojector		
F/10 12V		24	12	E14s	P-38	Clear	C-6	I	410		100	H ±30°	50 5	65.0	5.5 x 0.7	Microprojector	LCL measured from bulb crown is 10.0 2	
F/10 6V		24	6	E14s	P-38	Clear	C-6	I	440		100	H ±30°	50 5	65.0	5 x 0.7	Microprojector	LCL measured from bulb crown is 10.0 2	
F/11		24	12	E14s	P-38	Clear	C-6	I	432		100	VBD ±135°	41 3	65.0		Microprojector		
F/12		3	4	BA15s	T-16	Clear		I	30		50	VBD ±15°	7.5 2	48.0		Microprojector	LCL measured from bulb crown	
F/13		48	12	E27s	P-50	Clear	C-2	I	960		100	VBD ±135°	38 ± 5	75.0		Microprojector		
F/14		100	12	E27s	P-60	Clear	C-6	I	2250		100	VBD ±135°	55 ± 5	91.0		Microprojector		
F/15	R/1	108	6	P28s	T-32	Clear	R-8	I			50	. . .	65.5	146		Microprojector	This lamp transferred to Class R	
F/16	R/2 EDS	108	6	E27s	T-32	Clear	R-8	I			50	. . .	86 3	139		Microprojector	Tungsten Ribbon Filament	
F/17	(F/3)	24	6	B15d	G-38	Clear		I	456		100	VBD ±135°	44 5	65.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/18	
F/19	
F/20	
F/21	
F/22		12	12	B22d	G-35	Clear		I	100		100	H ±30°	34.0 3	60.0		Microprojector		
F/23	F/25 ^{HO}	30	6	E27s	G-38	Clear	C-6	I	450		200	H ±30°	53 ± 5	68.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/24		24	6	E27s	G-38	Clear	C-6	I	384		100	Horiz.	47 ± 5	62.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/25	F/23 ^{LL}	30	6	E27s	G-38	Clear	C-6	I	600		25	H ±30°	53 ± 5	68.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/26	F/1 ^{HO}	30	6	E14s	P-35	Clear	C-6	I	420		200	H ±30°	47 5	70.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/27		72	6	E27s	T-32	Clear	CC-6	I	1450		100	VBD ±30°	75 ± 3	135.0		Microprojector		
F/28	
F/29	None	18	6	BA15d	P-25	Clear	C-6	I	275		100	VBD ±135°	28.5 1.5	48.5		Microprojector		
F/30	None	8	4	E14s	P-35	Clear	C-6	I	100		100	Any	52 5	67.0		Microprojector	LCL measured from bulb crown is 10.0 2	
F/31	None	8	4	B15d	P-35	Clear		I	96		100	Any	10.0 2	67.0		Microprojector	LCL measured from bulb crown	
F/32	None	24	12	E10s	P-38	Clear		I	500		25	VBD ±135°	42.5 1	65.0		Microprojector		
F/33 12V		24	12	E14s	P-38	Clear		I	400		100	VBD ±135°	42.5 1	65.0		Microprojector		
F/33 6V		24	6	E14s	P-38	Clear		I	500		100	VBD ±135°	42.5 1	65.0		Microprojector		
F/34	None	24	12	P30s	P-25	Clear		I	475		50	VBD ±135°	31.5 .5	79.0		Microprojector		
F/35		24	4	E27s	P-38	Clear		I	430		100	VBD ±135°	39 ± 2	60.0		Microprojector		
F/36		36	12	BA20d	G-40	Clear		I	725		100	H ±30°	45.0 1	73.0		Airfield		
F/37		48	12	B22d	T-25	Clear		I	925		100	VBD ±135°	80.0 5	120.0		Microprojector		
F/38	(F/2)	48	12	B15d	G-38	Clear	CC-6	I	850		100	VBD ±135°	40 3	65.0		Microprojector	Life measured at 13.5v	
F/39		48	12	E27s	G-50	Clear		I	950		100	Any	45 ± 3	77.0		Microprojector		
F/40		100	6	B22d	P-60	Clear	CC-6	I	1750		500	VBD ±135°	55 5	95.0		Microprojector		
F/41	None	30	6	B15d	P-35	Clear	C-6	I	600		25	H ±30°	40 5	63.0		Microprojector		
F/42	None	48	12	P28s	G-50	Clear	C-2	I	960		100	Any	18.5 .5	80.0		Microprojector	LCL measured from bulb crown	
F/43	(J1/33)	100	12	BA20s	P-60	Clear	C-6	I	2200		100	Any	43	95.0		Microprojector		
F/44	None	5	6	B15d	P-50	Clear		I	350		47	Any	25.0 1	50.0		Microprojector	Values refer to operation at 6.5V	
F/45	
F/46	CPR ^{LCL}	108	6	P28s	T-32	Clear	R-6	I			50	. . .	65 .5	146		Microprojector	This lamp transferred to Class R	
F/47		108	6	E27s	T-32	Clear	R-6	I			50	. . .	86 3	139		Microprojector	Tungsten Ribbon Filament	

LIF Class F Microprojection Lamps

Code	Substitutes	Watts	Volts	Cap	Bulb	Finish	Filament	Type	Lumens	Colour	Life	Position	LCL	MOL	Source	Application	Notes
F/48	EDT 18A/T10/1P(6V)	108	6	P28s	T-32	Clear	R-8	I	1998		50	. . .	55.5 .5	140		Microprojector	This lamp transferred to Class R
F/49		108	6	E27s	T-32	Clear	R-8	I	1998		50	. . .	75	135		Microprojector	Tungsten Ribbon Filament
F/50	EDW 18A/T10/2P(6V)	108	6	P28s	T-32	Clear	R-6	I	1998		50	. . .	55 .5	140		Microprojector	This lamp transferred to Class R
F/51		108	6	E27s	T-32	Clear	R-6	I	1998		50	. . .	75	135		Microprojector	Tungsten Ribbon Filament
F/52		48	6	E14s	P-35	Clear	C-6	I	792		100	H ±30°	49 2	65.0		Microprojector	
F/53	None	48	6	P28s	G-35	Clear	C-2	I	750		100	VBD ±135°	21.0 .5	66.0		Microprojector	
F/54	(F/57)	30	6	B15d	G-38	Clear	C-14	I	435		100	H ±30°	53 5	65.0		Microprojector	Solid Source filament
F/55		30	6	E14s	G-38	Clear	C-14	I	435		100	H ±30°	53 5	65.0		Microprojector	Solid Source, LCL measured from bulb crown is 7.0
F/56		30	6	E27s	G-38	Clear	C-14	I	524		100	H ±30°	56 ± 5	70.0		Microprojector	Solid Source, LCL measured from bulb crown is 7.0
F/57	(F/54)	48	6	B15d	G-38	Clear	C-14	I	696		100	H ±30°	53 5	65.0		Microprojector	Solid Source filament
F/58		48	6	E14s	G-38	Clear	C-14	I	675		100	H ±30°	53 5	65.0		Microprojector	Solid Source, LCL measured from bulb crown is 7.0
F/59		48	6	E27s	G-38	Clear	C-14	I	675		100	H ±30°	56 ± 5	70.0		Microprojector	Solid Source, LCL measured from bulb crown is 7.0
F/60		24	12	E27s	G-38	Clear		I	450		100	VBD ±135°	41 ± 3	65.0		Microprojector	
F/61		. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
F/62		. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
F/63	None	100	12	P28s	G-60	Clear	CC-6	I	2250		100	VBD ±135°	37.0 5	98.0		Microprojector	
F/64	None	24	12	E10s	P-38	Ext. silvered		I	. . .		25	VBD ±30°	44.0 2	66.0		Microprojector	Small aperture in completely obscured silver bulb
F/65	(F/6)	24	12	E14s	P-38	Silver disc		I	. . .		25	VBD ±30°	46.0 2	69.0		Microprojector	Externally silvered disc on bulb
F/66		24	12	S10	P-38	Ext. silvered		I	. . .		25	VBD ±30°	44.0 2	66.0		Microprojector	Small aperture in completely obscured silver bulb
F/67	415N/01	40 3.5A	12	B15s	G-40	Silver disc		I	. . .		100	VBD ±135°	37.0 3	41.0		Microprojector	Externally silvered disc on bulb
F/68	(F/2)	48	6	B15d	P-45	Clear		I	1125		100	VBD ±135°	41.0 1	72.0		Microprojector	
F/69		48	6	E14s	P-45	Clear		I	1125		100	VBD ±135°	50.0 2	74.0		Microprojector	
F/70		24	6	E14s	P-38	Clear		I	440		100	VBU ±120°	8.0 1	65.0		Microprojector	LCL measured from bulb crown
F/71		30	6	E14s	G-40	Clear		I	510		100	VBD ±90°	45.0 2	67.0		Microprojector	
F/72		30	6	E27s	G-40	Clear		I	510		100	VBD ±90°	38 ± 3	68.0		Microprojector	
F/73		30	6	E27s	G-40	Clear		I	510		100	VBD ±120°	8.0 ± 1	65.0		Microprojector	
F/74		30	6	E14s	P-35	Clear	C-6	I	490		100	VBD ±135°	45.0 2	65.0		Microprojector	
F/75		48	8	E14s	G-40	Clear		I	900		100	VBD ±135°	45.0 2	68.0		Microprojector	
F/76	None	50	12	BA20s	G-38	Clear	C-6	I	950		50	VBD ±135°	33	72		Microprojector	
F/77	(F/9)	50	12	E14s	G-38	Clear	C-6	I	950		50	VBD ±135°	48 3	70.0		Microprojector	
F/78		100	24	E27s	G-60	Clear	CC-6	I	2200		100	Any	55 ± 5	90.0		Microprojector	
F/79		8	4	P30d	T-15	Clear	C-6	I	100		100	H ±30°	24.0 .5	40.0		Microprojector	
F/80		30	6	B22d	G-38	Clear	Multiple	I	420		200	H ±30°	7.0 2	58.0		Microprojector	Solid Source, LCL from crown
F/81	None	48	6	P30s	P-38	Clear	6C-6	I	675		200	VBD ±135°	41.0 0.5	63.0		Microprojector	Solid Source
F/82		24	6	B22d	P-38	Clear	C-6 2mm	I	380		100	Horiz.	8 max	60.0		Microprojector	LCL measured from bulb crown, 2mm filament
F/83		24	6	B22d	P-38	Clear	C-6 6mm	I	380		100	Horiz.	8 max	60.0		Microprojector	LCL measured from bulb crown, 6mm filament
F/84	(G/45)	36	6	P30s	T-32	Clear	C-6	I	590		100	Any	22.25 .5	54.0		Microprojector	
F/85	None	36	12	P30d	P-38	Clear	C-2V	I	575		100	Any	28.5 .5	61.0		Microprojector	
F/86		100	12	E27s	P-38	Clear		I	2200		100	VBD ±45°	55 ± 5	100.0		Microprojector	
F/100		9	6	GZ4	MR-35	Dichroic		Q	. . .		250	VBD ±105°		38.0		Microprojector	Dichroic Reflector, Focal distance 108mm
F/101	FLT THE/12	25	13.8	GZ4	MR-35	Dichroic		Q	. . .		500	VBD ±90°		35.0		Microprojector	Dichroic Reflector, Focal distance 76mm
F/102		28	12	GZ3.9	MR-35	Open front		Q	. . .		1000	VBD ±105°		38.0		Microprojector	Dichroic Reflector, Focal distance 108mm
F/103		30	13.8	GZ4	MR-35	Dichroic		Q	. . .		500	VBD ±105°		38.0		Microprojector	Dichroic Reflector, Focal distance 165mm
F/104		28	12	GX5.3	MR-50	Open front		Q	. . .		1000	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 165mm
F/105		25	13.8	GX5.3	MR-50	Open front		Q	. . .		250	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 108mm
F/106		30	13.8	GX5.3	MR-50	Open front		Q	. . .		500	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 108mm
F/107	64608	50	13.8	GX5.3	MR-50	Open front		Q	. . .		1000	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 108mm
F/108		50	13.8	GX5.3	MR-50	Open front		Q	. . .		1000	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 152mm

LIF Class F Microprojection Lamps

Code	Substitutes	Watts	Volts	Cap	Bulb	Finish	Filament	Type	Lumens	Colour	Life	Position	LCL	MOL	Source	Application	Notes
F/109	DED 64618	85	13.8	GX5.3	MR-50	Open front		Q	. . .		1000	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 165mm
F/110	EPX 64619	90	14.5	GX5.3	MR-50	Open front		Q	. . .		500	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 165mm
F/111	EPV	90	14.5	GX5.3	MR-50	Open front		Q	. . .		500	VBD ±90°		45.0		Microprojector	Dichroic Reflector, Focal distance 155mm
F/112	ELD	150	21	GX5.3	MR-50	Open front		Q	. . .		40	VBD ±90°		44.5		Microprojector	Dichroic Reflector, Focal distance 165mm
F/113	DDS	80	21	GX5.3	MR-50	Open front		Q	. . .		1000	VBD ±90°		44.5		Microprojector	Dichroic Reflector, Focal distance 165mm
F/114	DDL	150	20	GX5.3	MR-50	Open front		Q	. . .		500	VBD ±90°		44.5		Microprojector	Dichroic Reflector, Focal distance 195mm