

Compact Fluorescent Lamps

High Output Hf U-Line 105W

This is a slim, compact fluorescent lamp designed for high frequency illumination, and consists of a fluorescent tube approximately 17 mm in diameter formed into U shape. This is around half the length and diameter of standard 110 W models, and has a total flux of 11,000 lm, with a lamp efficiency of 105lm/W (for FHP105). The 3-band phosphor type fluorescent lamp renders colors bright and attractive, as well as offering cost and energy savings.

Awarded the 1998 Good Design Award. (FHP105WW, EN)



Product Order Code	Color Temperature(K)	Watts (W)	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Initial Lumens (lm)	Average Life (h)	Std.Pkg.Q'ty	Color Rendering Index(Ra)	Color Description
FHP 105EL GU	3,000	105	17.5	1,150	GY10q-12	0.430	11,000	20,000	10	84	3-Band Warm White
FHP 105EWW GU	3,500	105	17.5	1,150	GY10q-12	0.430	11,000	20,000	10	84	3-Band White 3500
FHP 105EW GU	4,200	105	17.5	1,150	GY10q-12	0.430	11,000	20,000	10	84	3-Band Cool White
FHP 105EN GU	5,000	105	17.5	1,150	GY10q-12	0.430	11,000	20,000	10	84	3-Band Natural White
FHP 105ED GU	6,700	105	17.5	1,150	GY10q-12	0.430	10,300	20,000	10	84	3-Band Daylight

- Notes:
1. Programed start type ballast is required for operation
 2. Use with high-frequency operation fixtures

Hf U-Line Series

Product Order Code	Color Temperature(K)	Watts (W)	Bulb Dia (mm)	Bulb Length (mm)	Base	Rated Lamp Current(A)	Initial Lumens (lm)	Average Life (h)	Std.Pkg.Q'ty	Color Rendering Index(Ra)	Color Description
FHP 32EL GU	3,000	32	17.5	412	GY10q-9	0.255	2,900	12,000	20	84	3-Band Warm White
FHP 32EWW GU	3,500	32	17.5	412	GY10q-9	0.255	2,900	12,000	20	84	3-Band White 3500
FHP 32EW GU	4,200	32	17.5	412	GY10q-9	0.255	2,900	12,000	20	84	3-Band Cool White
FHP 32EN GU	5,000	32	17.5	412	GY10q-9	0.255	2,900	12,000	20	84	3-Band Natural White
FHP 45EL GU	3,000	45	17.5	560	GY10q-10	0.325	4,350	12,000	20	84	3-Band Warm White
FHP 45EWW GU	3,500	45	17.5	560	GY10q-10	0.325	4,350	12,000	20	84	3-Band White 3500
FHP 45EW GU	4,200	45	17.5	560	GY10q-10	0.325	4,350	12,000	20	84	3-Band Cool White
FHP 45EN GU	5,000	45	17.5	560	GY10q-10	0.325	4,350	12,000	20	84	3-Band Natural White

- Notes:
1. Programed start type ballast is required for operation
 2. Use with high-frequency operation fixtures

FPL-G/FDL-G Built In Starter Type

FPL-G / FDL-G lamps have a two pin base with a built in starter. It is compact design and 8,000 hours long life offers flexibility of lighting fixture design.



FPL-G TYPE



FDL-G TYPE

Product Order Code	Color Temperature(K)	Watts (W)	Bulb Dia (mm)	Dimensions		Base	Initial Lumens (lm)	Average Life (h)	Std.Pkg.Q'ty	Color Rendering Index(Ra)	Color Description
				Bulb Dia(mm)	Bulb Length(mm)						
FPL-G 7W/27	2,700	7	11.7	27	112	G23	400	8,000	50	84	3-Band Warm White
FPL-G 7W/40	4,000	7	11.7	27	112	G23	400	8,000	50	84	3-Band Cool White
FPL-G 7W/65	6,500	7	11.7	27	112	G23	360	8,000	50	84	3-Band Daylight
FPL-G 9W/27	2,700	9	11.7	27	136	G23	550	8,000	50	84	3-Band Warm White
FPL-G 9W/40	4,000	9	11.7	27	136	G23	580	8,000	50	84	3-Band Cool White
FPL-G 9W/65	6,500	9	11.7	27	136	G23	500	8,000	50	84	3-Band Daylight
FPL-G 11W/27	2,700	11	11.7	27	213	G23	900	8,000	50	84	3-Band Warm White
FPL-G 11W/40	4,000	11	11.7	27	213	G23	900	8,000	50	84	3-Band Cool White
FPL-G 11W/65	6,500	11	11.7	27	213	G23	810	8,000	50	84	3-Band Daylight
FDL-G 10W/27	2,700	10	12.5	27	93	G24d-1	630	8,000	50	84	3-Band Warm White
FDL-G 10W/40	4,000	10	12.5	27	93	G24d-1	600	8,000	50	84	3-Band Cool White
FDL-G 10W/65	6,500	10	12.5	27	93	G24d-1	570	8,000	50	84	3-Band Daylight
FDL-G 13W/27	2,700	13	12.5	27	125	G24d-1	950	8,000	50	84	3-Band Warm White
FDL-G 13W/40	4,000	13	12.5	27	125	G24d-1	950	8,000	50	84	3-Band Cool White
FDL-G 13W/65	6,500	13	12.5	27	125	G24d-1	855	8,000	50	84	3-Band Daylight
FDL-G 18W/27	2,700	18	12.5	27	138	G24d-2	1,300	8,000	50	84	3-Band Warm White
FDL-G 18W/40	4,000	18	12.5	27	138	G24d-2	1,300	8,000	50	84	3-Band Cool White
FDL-G 18W/65	6,500	18	12.5	27	138	G24d-2	1,140	8,000	50	84	3-Band Daylight
FDL-G 26W/27	2,700	26	12.5	27	150	G24d-3	1,780	8,000	50	84	3-Band Warm White
FDL-G 26W/30	3,000	26	12.5	27	150	G24d-3	1,780	8,000	50	84	3-Band Warm White-3,000k
FDL-G 26W/40	4,000	26	12.5	27	150	G24d-3	1,780	8,000	50	84	3-Band Cool White
FDL-G 26W/65	6,500	26	12.5	27	150	G24d-3	1,680	8,000	50	84	3-Band Daylight