

**Description:** Programmed Start Electronic Ballast

**Lamps Operated:**

  
F39T5HO, F24T5HO

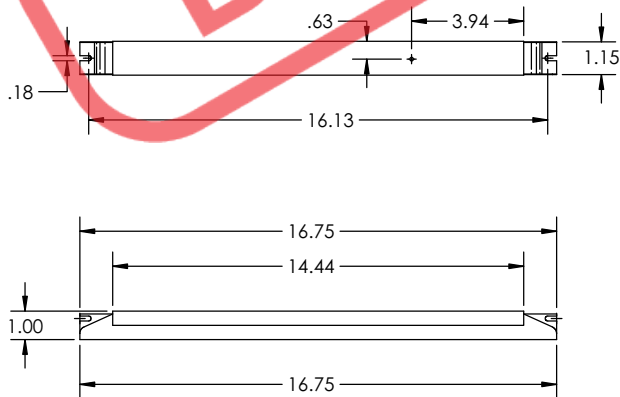
  
FT40/2G11/RS, FT36W/2G11  
FT24W/2G11, FT18W/2G11

  
FC12T5, FC9T5

**ELECTRICAL DATA**

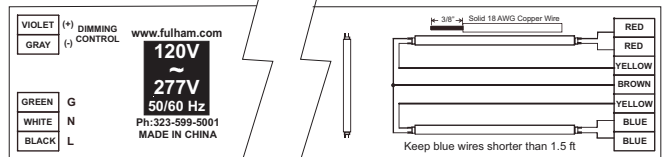
INPUT VOLT	120~277VAC, >45kHz
LAMP WATTS/TYPE	F39T5HO, F24T5HO, FT40/2G11/RS, FT36W/2G11, FT24W/2G11, FT18W/2G11, FC12T5, FC9T5
LAMPS OPERATED	2
LINE CURRENT	0.74A @ 120V thru 0.20A @ 277V
POWER FACTOR	High Power Factor
SOUND RATING	"A"
BALLAST TYPE	Programmed Start
PCB	No
PROTECTION	Inherent Thermal Protection, End of Lamp Life Protection
TC MAX	75°C (167°F)
DIMMING	0-10V
DIMMING RANGE	1% - 100%
MIN. OPERATING TEMP	10°C (50°F)
APPROVALS/CLASS	Class P - Type CC
TYPE	HL
APPLICABLE DIMMERS	Lutron NTFTV, Lutron NFTV-WH, Leviton IP710-DLX
È P P O A È N C E M P È N P O T N O O M N O N O P O N G N I N N P O N I M O Ó È P P O O M O H N I N P O O D M P O O O N I M O Ó I R O Ñ	

**MECHANICAL DATA**



Where : L = Length, W = Width, H = Height

**WIRING DIAGRAMS**

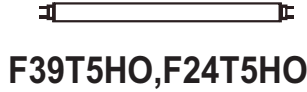


Ballast must be properly grounded.  
Operate new lamp for 100 hours at full output prior to the first dimming

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 5 years from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham product catalog ([www.fulham.com](http://www.fulham.com))  
Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.

**Description:** Programmed Start Electronic Ballast

**Lamps Operated:**



**ELECTRICAL DATA**

INPUT VOLT: 120V ± 10%, 50/60Hz								
LAMP WATTS/TYPE	F39T5HO	F24T5HO	FT40/2G11/RS	FT36/2G11	FT24W/2G11	FT18W/2G11	FC12T5	FC9T5
LAMPS OPERATED	2							
INPUT WATTS	85	51	93	70	55	37	86	54
LINE CURRENT:	0.72	0.43	0.77	0.59	0.46	0.31	0.72	0.45
POWER FACTOR	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
BALLAST FACTOR	0.95	1.09	1.01	0.90	1.09	1.02	1.01	1.09
EFFICACY FACTOR	1.11	2.12	1.08	1.29	1.97	2.75	1.18	2.00
THD	6.4%	8.9%	6.2%	7.4%	8.6%	11.4%	6.5%	8.8%
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)							
SOUND RATING	"A"							
BALLAST TYPE	Programmed Start							
PCB	NO							
PROTECTION	Inherent Thermal Protection, End of Lamp Life Protection							
MIN. OPERATING TEMP	10°C (50°F)							
Tc MAX.	75°C (167°F)							
DIMMING	0 - 10V							
DIMMING RANGE	1% - 100%							
TYPE "CC" APPROVED	APPROVED							
APPROVALS/CLASS	UL /cUL LISTED, CLASS "P", 1 OUTDOOR							
APPLICABLE DIMMER	Lutron NTFTV, Lutron NFTV-WH, Leviton IP710-DLX							
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INPUT VOLT: 277V ± 10%, 50/60Hz								
LAMP WATTS/TYPE	F39T5HO	F24T5HO	FT40/2G11/RS	FT36/2G11	FT24W/2G11	FT18W/2G11	FC12T5	FC9T5
LAMPS OPERATED	2							
INPUT WATTS	83	51	90	69	54	37	83	53
LINE CURRENT:	0.32	0.20	0.35	0.27	0.21	0.52	0.32	0.21
POWER FACTOR	0.94	0.92	0.94	0.93	0.92	0.88	0.94	0.92
BALLAST FACTOR	0.95	1.08	1.00	0.90	1.08	1.02	1.01	1.08
EFFICACY FACTOR	1.14	2.14	1.11	1.31	2.00	2.76	1.21	2.03
THD	19.8%	24.1%	19.1%	21.2%	23.4%	29.5%	19.2%	23.7%
EMI/RFI COMPLIANCE	FCC PART 18-A (Non-Consumer)							
SOUND RATING	"A"							
BALLAST TYPE	Programmed Start							
PCB	NO							
PROTECTION	Inherent Thermal Protection, End of Lamp Life Protection							
MIN. OPERATING TEMP	10°C (50°F)							
Tc MAX.	75°C (167°F)							
DIMMING	0 - 10V							
DIMMING RANGE	1% - 100%							
TYPE "CC" APPROVED	APPROVED							
APPROVALS/CLASS	UL /cUL LISTED, CLASS "P", 1 OUTDOOR							
APPLICABLE DIMMER	Lutron NTFTV, Lutron NFTV-WH, Leviton IP710-DLX							
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