



Illumination Technologies, Inc.

102 Route 5 West, Elbridge, NY 13060 USA

Phone: 315-463-4673

LIGHTSOURCE CONTROL COMPARISON

		3900	CF1000	CF2000	CF1000-IRIS	UB50/UB100	3900E	CF1000E
INTERFACE CONNECTION		DB15	DB15	DB15	DB9	DB25	DB9	DB9
RS232 CONTROL PINS	GROUND	PIN 2	PIN 2	PIN 2	PIN 5	PIN 7	PIN 5	PIN 5
	Tx	PIN 6	PIN 6	PIN 6	PIN 3	PIN 3	PIN 3	PIN 3
	Rx	PIN 7	PIN 7	PIN 7	PIN 2	PIN 2	PIN 2	PIN 2
QUERY COMMANDS								
INITIAL COMMUNICATION/VERSION CHECK		HEL?	HEL?	HEL?	HEL?	HEL?	HEL?	HEL?
SSR QUERY		SSR?	SSR?	SSR?	SSR?	SSR?	SSR?	SSR?
INTERNAL TEMP		TEM?	TEM?	TEM?	TEM?	TEM?	TEM?	TEM?
CURRENT LAMP SETTING		DAC?	DAC?	DAC?	INT?	INT?	INT?	INT?
INTERNAL FILTER POSITION			FIL?	FIL?	FIL?			FILA? OR FILB?
ABSOLUTE IRIS POSITION					ABS?			ABSA? OR ABSB?
HOME OFFSET ADJUSTMENT					OFS?			OFSA? OR OFSB?
INTENSITY AT POWER UP VALUE					INP?	INP?	INP?	INP?
LAMP COLOR						LAM?		
CONTROL COMMANDS								
LAMP INTENSITY ADJUSTMENT		DAC=0-255	DAC=0-255	DAC=0-255	INT=500-4000	INT=500-4000	INT=500-4000	INT=500-4000
LAMP OUTPUT ON		SSR=1	SSR=1	SSR=1	SSR=1	SSR=1	SSR=1	SSR=1
LAMP OUTPUT OFF		SSR=0	SSR=0	SSR=0	SSR=0	SSR=0	SSR=0	SSR=0
SET INTENSITY AT POWERUP VALUE					INP=1	INP=1	INP=1	INP=1
MOVE FILTER WHEEL TO POSITION			FIL=1-8	FIL=1-8				FILA=1-8 OR FILB=1-8
MOVE FILTER WHEEL TO HOME POSITION			HOM=1	HOM=1	HOMA=1			HOMA=1 OR HOMB=1
MOVE IRIS WHEEL ABSOLUTE					ABS=XXXX			ABSA= OR ABSB=
MOVE IRIS WHEEL RELATIVE TO CURRENT POSITION					REL=XXXX			RELA= OR RELB=
MOVE FILTER WHEEL TO FILTER INSTALL POSITION								FINA=1-8 OR FINB=1-8