



INNOVATION PROFESSION EXECUTION



Splendi **Tech** 2 CCFLs Inverter

IN2-QF133115

Splendi **Tech**. Corp., Ltd.

www.splendi.com.tw

E-mail: sales@splendi.com.tw

Tel: 886-2-2647-6609

Fax: 886-2-2647-6619

Address: 2F.-3, No.263, Sec. 2, Datong Rd., Sijhih City, Taipei County 221, Taiwan

© Copyright 2010 Splendi Tech. Inc., all rights reserved.

Operating Conditions

Item	Symbol	Condition	Min.	Max.	Unit
Input Voltage	Vin		10	-	V
Operating Temperature	Top	Ha=90%	0	65	°C
Storage Temperature	Tstg	Ha=95%	-10	80	°C
Operating Humidity	Hop	Ta=0 ~ 55 °C	20	90	%RH
Storage Humidity	Hstg	Ta=20 ~ 80 °C	-	95	%RH

Operating Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Input Voltage	Vin	GND=0V	10.8	12	13.2	V
Input Current (Low Brightness)	IinL	Vin=Typ. ±1%ON VR=Min. (Iout=Min.)	370	420	500	mA Vin=12V
Input Current (High Brightness)	IinH	Vin=Typ. ±1% ON VR=Max. (Iout=Max.)	920	1030	1100	mA Vin=12V
Lamp Current (Low Brightness)	IoutL	Vin=Typ. ±1%ON VR=Min. (Iout=Min.)	1.3	2.0	3.0	mA / rms
Lamp Current (High Brightness)	IoutH	Vin=Typ. ±1%ON VR=Max. (Iout=Max.)	7.2	7.6	8.0	mA / rms
Working Frequency			40	43	48	KHz
Dimming		Tube Current	>2.5:1			
Brightness Control		Connection of Voltage	5		0	V
Output Voltage		CCFT Current= 5 mA		690		V

Connector Socket

(CN1) Input Connector

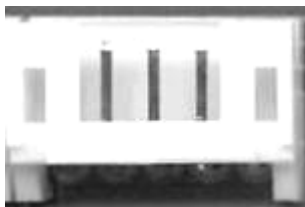
Pin No.	Symbol	Description
1	Vin	DC +12V
2	GND	Ground
3	Control	ON/OFF Control ON=+3 ~ 5V, OFF=0 ~0.8V
4	Brightness	Digital Brightness Control
5	NC	

(CN2 ~ 3) Output Connector

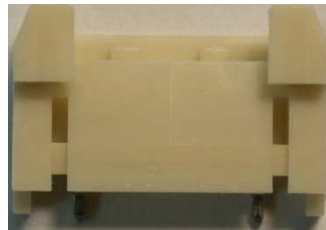
Pin No.	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp Low Voltage

Connector Model No. & Brand

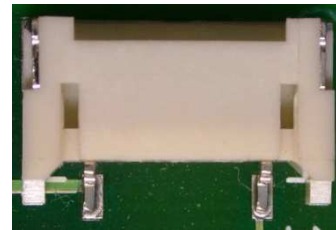
Connector No.	Symbol	Description
CN1	S5B-PH-K	JST or compatible
CN2	SM02(8.0)B-BDBS-1 or SM02(8.0)B-BHS-1	JST or compatible
CN3	SM02(8.0)B-BDBS-1 or SM02(8.0)B-BHS-1	JST or compatible



S5B-PH-K (Pin1)



SM02 (8.0)B-BDBS-1 (Pin1)



SM02 (8.0)B-BHS-1 (Pin1)