

DRAWING NO	SHEET	MODEL NAME	ISSUE
SPL8097	1 OF 2	SPL8097	1

ISSUE	MODIFICATION	DRN	DATE
1	ORIGINAL ISSUE	NJK	14.08.07



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726 SERIES 1 WAY RGB DRIVER

SPECIFICATIONS

Overview

The 726 series 1 way RGB driver assembly consists of an IEC320/C7 mains lead, an AC adapter and an LED driver. This assembly is capable of powering one RGB fixture (see table on sheet 2 for complete list of fixtures). The driver has five special address which are set via DIP switches. The driver can also be programed via DMX512 protocol.

Mechanical

LED driver dimensions: 58 x 96 x 22
 AC adapter dimensions: 20 x 50 x 110

Electrical

LED driver
 Input voltage: 24Vdc
 Input current: 2A max
 Output channels: 3
 Output current: 350mA per channel or 700mA per channel

AC adapter

Input voltage: 100-240Vac
 Input current: 1A
 Fequancy: 50-60Hz
 Output voltage: 24Vdc
 Output current: 1.5A

Mains lead option

IEC320/C7 mains UK
 IEC320/C7 mains europe
 IEC320/C7 mains US

Thermal

LED driver
 Operating ambient temperature: -10°C to +40°C
 Storage ambient temperature: -20°C to +70°C

AC Adapter

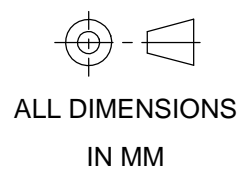
Operating ambient temperature: 0°C to +40°C
 Storage ambient temperature: -20°C to +85°C

Driver Options

Control protocol: DMX512
 Address range: 1-506 through DIP switch
 Special addresses: 511 - Auto running colour change
 510 - All channels full on
 509 - Channel 3 full on, channel 1 & 2 off
 508 - Channel 2 full on, channel 1 & 3 off
 507 - Channel 1 full on, channel 2 & 3 off
 DMX terminator: Built-in, accessible through DIP switch position 10



TOLERANCE/ SCALE UOS		DRN:	NJK
LINEAR	± NA	DATE:	14.08.07
ANGULAR	± NA	CHK1:	<i>D.H.</i>
ORIGINAL SCALE	1:1	CHK2:	<i>NJK</i>



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IEC320/C7 MAINS LEAD

INSERT IEC320/C7 INLINE SOCKET INTO IEC32/C8 INLET PLUG OF THE AC ADAPTOR. DO NOT INSERT MAINS PLUG INTO MAINS SOCKET AT THIS TIME



AC ADAPTER

INSERT DC PLUG INTO DC SOCKET OF THE LED DRIVER DO NOT INSERT MAINS PLUG INTO MAINS SOCKET AT THIS TIME.



LED DRIVER

SET DESIRED FUNCTION BY SETTING APPROPRIATE DIP SWITCHES TO ON. SEE BELOW FOR EXAMPLE. DO NOT INSERT MAINS PLUG INTO MAINS SOCKET AT THIS TIME.



WIRING OF FIXTURE

CONNECT THE SIX COLOURED WIRES FROM THE LIGHT FIXTURE AS FOLLOWS.
 Ch.1+ : RED WIRE
 Ch.1- : BLACK WIRE
 Ch.2+ : GREEN WIRE
 Ch.2- : WHITE WIRE
 Ch.3+ : BLUE WIRE
 Ch.3- : YELLOW WIRE
 INSERT MAINS PLUG INTO MAINS SOCKET

PART NUMBER	IEC MAINS LEAD	OUTPUT CURRENT	COMPATIBLE WITH
726-000-08-54	UK	350mA PER CHANNEL	729, 730, 728 SERIES RGB FIXTURES
726-000-08-55	EU	350mA PER CHANNEL	729, 730, 728 SERIES RGB FIXTURES
726-000-08-56	USA	350mA PER CHANNEL	729, 730, 728 SERIES RGB FIXTURES
726-000-09-54	UK	700mA PER CHANNEL	732, 733, 735 SERIES RGB FIXTURES
726-000-09-55	EU	700mA PER CHANNEL	732, 733, 735 SERIES RGB FIXTURES
726-000-09-56	USA	700mA PER CHANNEL	732, 733, 735 SERIES RGB FIXTURES

TOLERANCE/ SCALE UOS		DRN: NJK
LINEAR ± NA		DATE: 14.08.07
ANGULAR ± NA	ALL DIMENSIONS	CHK1: <i>D.H.</i>
ORIGINAL SCALE 1:1	IN MM	CHK2: <i>NJK</i>



TO SET SPECIAL ADDRESSES
 511 - AUTO RUNNING COLOUR CHANGE
 510 - ALL CHANNELS FULL ON
 509 - CHANNEL 3 FULL ON, CHANNEL 1 & 2 OFF
 508 - CHANNEL 2 FULL ON, CHANNEL 1 & 3 OFF
 507 - CHANNEL 1 FULL ON, CHANNEL 2 & 3 OFF

USING A TERMINAL DRIVER ENSURE ALL DIP SWITCHES ARE DOWN, (OFF POSITION). CHOOSE REQUIRED COLOUR SEQUENCE. ONLY PUSH UP REQUIRED DIP SWITCHES, (ON POSITION).

EXAMPLES
 511 - AUTO RUNNING COLOUR CHANGE
 DIP SWITCHES UP (ON) : 256,128,64,32,16,8,4,2,1
 DIP SWITCH OFF (DOWN) : TERM
 (256+128+64+32+16+8+4+2+1 = 511)

507 - CHANNEL 1 FULL ON, CHANNEL 2 & 3 OFF
 DIP SWITCHES UP (ON) : 256,128,64,32,16,8,2,1
 DIP SWITCHES DOWN (OFF) : 4, TERM
 (256+128+64+32+16+8+2+1 = 507)