

T568-B WIRE COLOR AND PIN OUT TABLE

PIN #	WIRE COLOR	DMX SIGNAL
8	BROWN	NO CONN
7	WHITE/BROWN	REFERENCE
6	GREEN	NO CONN
5	WHITE/BLUE	NO CONN
4	BLUE	NO CONN
3	WHITE/GREEN	NO CONN
2	ORANGE	DATA -
1	WHITE/ORANGE	DATA +

STANDARD MALE CONNECTOR XLR-5PIN DMX CABLE PIN OUTS

PIN#	DMX SIGNAL
1	REFERENCE
2	DATA -
3	DATA +
4	NO CONN
5	NO CONN

LIGHTWILD MAXIMUM CABLE LENGTH FOR A SINGLE RUN		MAXIMUM CABLE LENGTH TO THE LAST FIXTURE IN A CABLE RUN BY WIRE SIZE	
WATTS	AMPS	#18	#16
0-12	0.0-0.5	150 ft	240 ft
12-24	0.5-1.0	75 ft	120 ft
24-36	1.0-1.5	50 ft	80 ft
36-48	1.5-2.0	35 ft	60 ft
48-60	2.0-2.5	N/A	45 ft
60-72	2.5-3.0	N/A	40 ft
72-84	3.0-3.5	N/A	30 ft
84-90*	3.5-4.0	N/A	N/A

*90 WATTS IS THE MAX WATTAGE PER RUN FOR CLASS 2 INSTALLATIONS

LEGEND

- PREINSTALLED
- FIELD INSTALLED
- - - PREINSTALLED OPTION
- - - - FIELD INSTALLED OPTION

WIRING DIAGRAMS ARE GENERIC FOR MULTIPLE PART NUMBERS. EQUIPMENT AND OPTIONS SHOWN ON THE DIAGRAM MAY NOT BE INCLUDED AS PART OF THE EQUIPMENT PROVIDED.

FIXTURES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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LIGHTWILD
 7320 W 162ND ST.
 OVERLAND PARK, KS 66085
 913-851-3000

PART NUMBERS
 LW-SERIESB-PSH-N1/N4-1/2

WIRING DIAGRAM
 LW SERIES B WIRING DIAGRAM
 NO SCALE
 REV: 05 DATE: 02/01/2012
 SCALE: NONE SHEET: 1 OF 1

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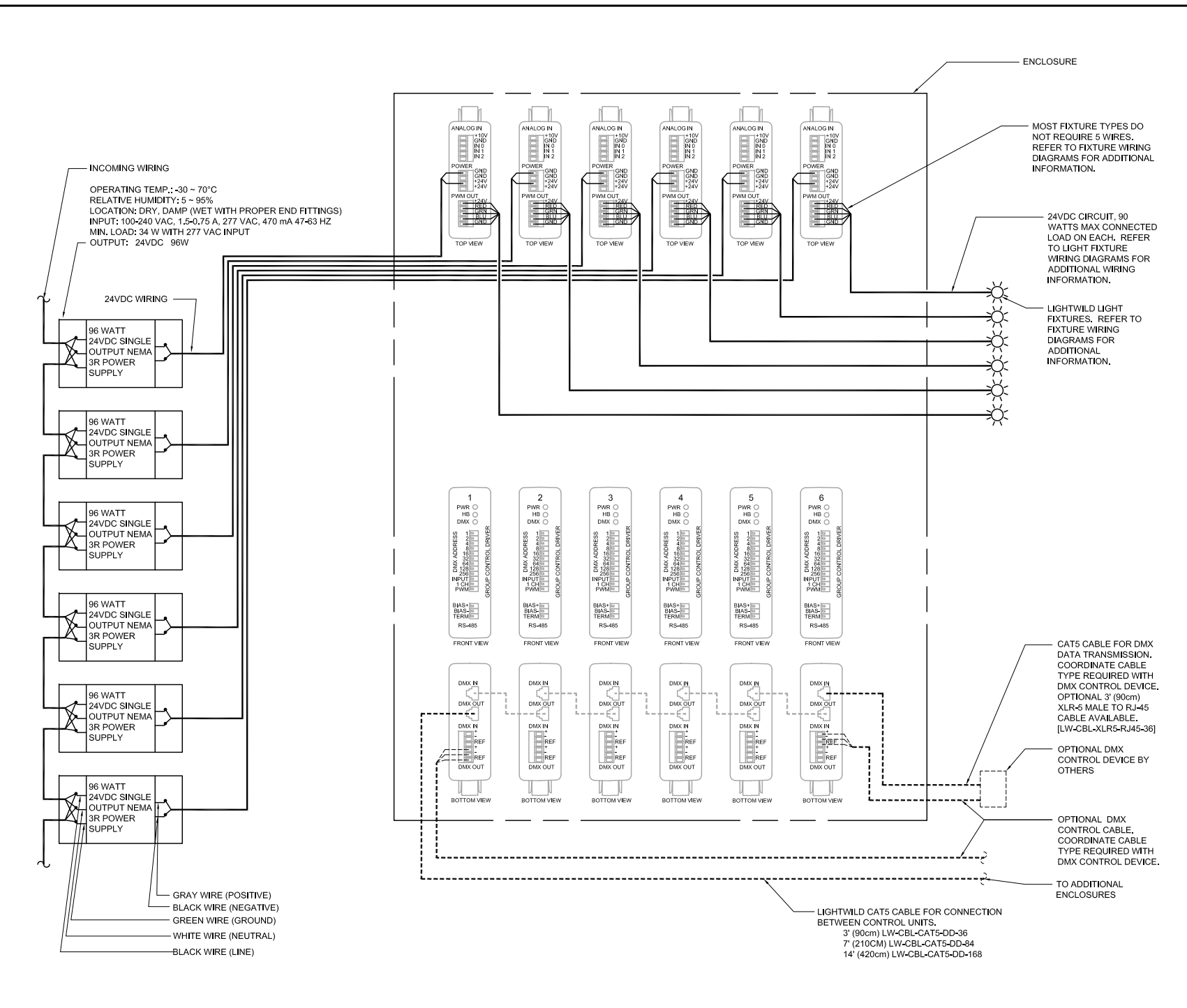
STANDARD MALE CONNECTOR XLR-5PIN DMX CABLE PIN OUTS

PIN#	DMX SIGNAL
1	REFERENCE
2	DATA -
3	DATA +
4	NO CONN
5	NO CONN

LIGHTWILD MAXIMUM CABLE LENGTH FOR A SINGLE RUN

LOAD AT 24VDC	WATTS	AMPS	MAXIMUM CABLE LENGTH TO THE LAST FIXTURE IN A CABLE RUN BY WIRE SIZE
0-12	0.0-0.5	#18	#16 #14 #12 #10 #8 #6
12-24	0.5-1.0	75 ft	150 ft 240 ft 300 ft 300 ft 300 ft 300 ft
24-36	1.0-1.5	50 ft	120 ft 190 ft 300 ft 300 ft 300 ft 300 ft
36-48	1.5-2.0	35 ft	80 ft 120 ft 200 ft 300 ft 300 ft 300 ft
48-60	2.0-2.5	N/A	60 ft 95 ft 150 ft 240 ft 300 ft 300 ft
60-72	2.5-3.0	N/A	45 ft 75 ft 120 ft 190 ft 300 ft 300 ft
72-84	3.0-3.5	N/A	40 ft 60 ft 100 ft 160 ft 250 ft 300 ft
84-90*	3.5-4.0	N/A	30 ft 55 ft 85 ft 130 ft 220 ft 300 ft

*90 WATTS IS THE MAX WATTAGE PER RUN FOR CLASS 2 INSTALLATIONS



INCOMING WIRING
 OPERATING TEMP.: -30 ~ 70°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: DRY, DAMP (WET WITH PROPER END FITTINGS)
 INPUT: 100-240 VAC, 1.5-0.75 A, 277 VAC, 470 mA 47-63 HZ
 MIN. LOAD: 34 W WITH 277 VAC INPUT
 OUTPUT: 24VDC 96W

ENCLOSURE

MOST FIXTURE TYPES DO NOT REQUIRE 5 WIRES. REFER TO FIXTURE WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.

24VDC CIRCUIT, 90 WATTS MAX CONNECTED LOAD ON EACH. REFER TO LIGHT FIXTURE WIRING DIAGRAMS FOR ADDITIONAL WIRING INFORMATION.

LIGHTWILD LIGHT FIXTURES. REFER TO FIXTURE WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.

CAT5 CABLE FOR DMX DATA TRANSMISSION. COORDINATE CABLE TYPE REQUIRED WITH DMX CONTROL DEVICE, OPTIONAL 3' (90cm) XLR-5 MALE TO RJ-45 CABLE AVAILABLE. [LW-CBL-XLR5-RJ45-36]

OPTIONAL DMX CONTROL DEVICE BY OTHERS

OPTIONAL DMX CONTROL CABLE. COORDINATE CABLE TYPE REQUIRED WITH DMX CONTROL DEVICE.

TO ADDITIONAL ENCLOSURES

LIGHTWILD CAT5 CABLE FOR CONNECTION BETWEEN CONTROL UNITS.
 3' (90cm) LW-CBL-CAT5-DD-36
 7' (210cm) LW-CBL-CAT5-DD-34
 14' (420cm) LW-CBL-CAT5-DD-168

GRAY WIRE (POSITIVE)
 BLACK WIRE (NEGATIVE)
 GREEN WIRE (GROUND)
 WHITE WIRE (NEUTRAL)
 BLACK WIRE (LINE)

LEGEND

- PREINSTALLED
- FIELD INSTALLED
- - - PREINSTALLED OPTION
- - - FIELD INSTALLED OPTION

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 1/2/3/4/5/6

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