



OPERATING TEMP.: -30 ~ 70°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: DRY, DAMP (WET WITH PROPER END FITTINGS)
 INPUT: 100-240 VAC, 50/60 HZ
 OUTPUT: (3) OUTPUTS 24VDC 80W, 3.3 A EACH

LIGHTWILD CATS CABLE FOR CONNECTION BETWEEN CONTROL UNITS:
 3' (90cm) LW-CBL-CATS-DD-36
 7' (210cm) LW-CBL-CATS-DD-84
 14' (420cm) LW-CBL-CATS-DD-168

OPTIONAL DMX CONTROL DEVICE BY OTHERS
 OPTIONAL DMX CONTROL CABLING, COORDINATE CABLING TYPE REQUIRED WITH DMX CONTROL DEVICE.
 TO ADDITIONAL ENCLOSURES

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

FIGURES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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LIGHTWILD

7320 W. 42ND ST.
 OVERLAND PARK, KS 66085
 913-851-5300

PART NUMBERS
 LW-SERIES-B-503A1/N-4
 1/23/04/6/7/8

LW SERIES B WIRING DIAGRAM

REV: 03
 SCALE: NONE
 SHEET: 1 OF 1

LEGEND

PREINSTALLED
 FIELD INSTALLED
 PREINSTALLED OPTION
 FIELD INSTALLED OPTION

TS68-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-3P-PIN 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					
		#18	#16	#14	#12	#10	#8
0-12	0.0-0.5	150 ft	240 ft	300 ft	300 ft	300 ft	300 ft
12-24	0.5-1.0	75 ft	120 ft	190 ft	300 ft	300 ft	300 ft
24-36	1.0-1.5	50 ft	80 ft	120 ft	200 ft	300 ft	300 ft
36-48	1.5-2.0	35 ft	60 ft	95 ft	150 ft	240 ft	300 ft
48-60	2.0-2.5	N/A	45 ft	75 ft	120 ft	190 ft	300 ft
60-72	2.5-3.0	N/A	40 ft	60 ft	100 ft	160 ft	250 ft
72-84	3.0-3.5	N/A	30 ft	55 ft	85 ft	130 ft	220 ft
84-90*	3.5-4.0	N/A	N/A	45 ft	75 ft	120 ft	190 ft

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

24VDC CIRCUIT: 72 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.

CATS CABLING FOR DMX DATA TRANSMISSION COORDINATE CABLING TYPE REQUIRED WITH DMX CONTROL DEVICE. OPTIONAL 3' (90cm) XLR-3 MALE TO RJ45 CABLE AVAILABLE [LW-CBL-XLR-RJ45-36]

OPTIONAL DMX CONTROL DEVICE BY OTHERS

OPTIONAL DMX CONTROL CABLING, COORDINATE CABLING TYPE REQUIRED WITH DMX CONTROL DEVICE.

TO ADDITIONAL ENCLOSURES