



# LED POWER SUPPLIES LED CONTROLLERS



The Lighting Company

# **LED POWER SUPPLIES LED CONTROLLERS**



## LED POWER SUPPLIES



## OVERVIEW

Z Series and Z LIGHT Series are two lines of full-range AC 90-260 V, 50-60 Hz power supply units dedicated specifically for use with DTS products featuring LED technology.

## Z SERIES

Z Series includes the following models: Z1 (4 output channels), Z1 IP65 (4 output channels), Z8 (32 output channels), Z30 (30 output channels) and Z60 (60 output channels).

Z Series units are housed in sturdy metal cases, that offer high resistance to knocks and mechanical stress. Their bodies are covered with a coat of epoxy paint.

Z Series models have a full-range AC 90-260 V, 50-60 Hz power supply.

## NETWORKING

Z Series models can control set-ups of D.T.S. LED products in various combinations.

Z Series models can be used in Master or Slave mode; ample networks of interconnected Z units can be created:

- \* max 32 slave units for each master Z1, Z1 IP65.

Z Series models can also be remote-controlled using the USITT DMX 512 standard digital communication protocol.

## INTERNAL MEMORY

Z1 and Z1 IP65 internal memory contains:

- 16 pre-programmed Color Macros

- 16 pre-programmed White Macros (whites with different color temperatures)

- 1 Demo (rainbow)

- 1 Color Macro (user editable)

- 1 Chase (user editable); the Chase includes 16 steps made of various combinations of colors, shutter, strobo, etc.

## SPECIAL FUNCTIONS

- \* The dedicated optional IR remote control lets you remotely access Z1 and Z1 IP65 functions.

- \* Emergency function (all models): by setting the emergency mode, it will be possible to select one of the 16 preprogrammed WHITE cues that will automatically run if DMX signal is missing or not available.


This function is very useful for automatically lighting defined areas in commercial or public spaces, such as emergency exits.













## Z LIGHT SERIES

Z LIGHT Series includes the following models:

- Z LIGHT 1 (1 On/Off channel), Z LIGHT 3 IP20 (3 On/Off channels), Z LIGHT 3 IP65 (3 On/Off channels), Z LIGHT 4 IP20 (4 On/Off channels), Z LIGHT 4 IP65 (4 On/Off channels).

# LED POWER SUPPLIES

Z SERIES	CODE	PRODUCT
	03.LA.009	Z1
	03.LA.009.IP65	Z1 IP65

Z SERIES	CODE	PRODUCT	
	03.LA.074	Z8 (RJ45 connectors)	
	03.LA.075	Z8 (M12 connectors)	
	03.LA.080	Z8 (screw terminals)	
	03.LA.072	Z30 (RJ12 connectors)	
	03.LA.073	Z30 (M12 connectors)	
	03.LA.077	Z30 (screw terminals)	
	03.LA.053	Z60 (RJ12 connectors)	
	03.LA.069	Z60 (M12 connectors)	
	03.LA.076	Z60 (screw terminals)	

		Z1 / Z1 IP65	Z8	Z30	Z60
TECHNICAL SPECIFICATIONS	Output channels	4	32 (4 x 8 groups)	30 (3 x 10 groups)	60 (3 x 20 groups)
	Power x channel	25W	24W	6W	6W
	Current	500mA	500mA	500mA	500mA
	Output voltage	60V	48V	12V	12V
	DMX channels	10 or 6	32 or 9 or custom	30 or 9 or custom	60 or 9 or custom
	Output connections	RJ45 / M12	RJ45 or M12 or screw terminals	RJ12 or M12 or screw terminals	RJ12 or M12 or screw terminals
	IP protection	IP20 / IP65	IP20	IP20	IP20
	Rack mountable	Adapter / no	2 rack units	2 rack units	2 rack units
	Display	LED display	LCD graphic display	LCD graphic display	LCD graphic display

		Z1 Z1 IP65	Z8	Z30	Z60
COMPATIBILITY LED PRODUCTS / CONTROLLERS	FOS 100 FULL COLOUR	1	8 (1 x 8 groups)	•	•
	FOS 100 RGBA / WHITE	1	8 (1 x 8 groups)	•	•
	FOS 33 FULL COLOUR	3	24 (3 x 8 groups)	•	•
	FOS 33 RGBA / WHITE	3	24 (3 x 8 groups)	•	•
	RA 7 HEAD FULL COLOUR	1	8 (1 x 8 groups)	•	•
	RA 7 HEAD RGBA / WHITE	1	8 (1 x 8 groups)	•	•
	TITAN FULL COLOUR	1	8 (1 x 8 groups)	•	•
	TITAN RGBA / WHITE	1	8 (1 x 8 groups)	•	•
	HELIOS FULL COLOUR	1	8 (1 x 8 groups)	•	•
	HELIOS RGB / WHITE	1	8 (1 x 8 groups)	•	•
	FOCUS FULL COLOUR	5	32 (4 x 8 groups)	10 (1 x 10 groups)	20 (1 x 20 groups)
	FOCUS RGB / WHITE	15	96 (12 x 8 groups)	30 (3 x 10 groups)	60 (3 x 20 groups)
	MINI FOCUS FULL COLOUR	15	96 (12 x 8 groups)	30 (3 x 10 groups)	60 (3 x 20 groups)
	MINI FOCUS 1 COLOUR	45	288 (36 x 8 groups)	90 (9 x 10 groups)	180 (9 x 20 groups)
	MR 16 FULL COLOUR	5	40 (4 x 8 groups)	10 (1 x 10 groups)	20 (1 x 20 groups)
	MR16 RGB	15	96 (12 x 8 groups)	30 (3 x 10 groups)	60 (3 x 20 groups)
	MR16 WHITE 3200-5500°K	15	96 (12 x 8 groups)	30 (3 x 10 groups)	60 (3 x 20 groups)
	PIXEL DROP FULL COLOUR	5	40 (4 x 8 groups)	10 (1 x 10 groups)	20 (1 x 20 groups)
	DIVE 1 FULL COLOUR	•	•	30 (3 x 10 groups)	60 (3 x 20 groups)
	DIVE 3 FULL COLOUR	•	•	10 (1 x 10 groups)	20 (1 x 20 groups)
	DIVE 6 FULL COLOUR	•	•	5 (2 groups each DIVE)	10 (2 groups each DIVE)
	DIVE 9 RGB	•	•	10 (1 x 10 groups)	20 (1 x 20 groups)
	DIVE 18 RGB	•	•	5 (2 groups each DIVE)	10 (2 groups each DIVE)

# LED POWER SUPPLIES

Z LIGHT SERIES	CODE	PRODUCT
	0502T032	Z LIGHT 1 IP20
	03.LA.050	Z LIGHT 3 IP20
	03.LA.051	Z LIGHT 3 IP65

Z LIGHT SERIES	CODE	PRODUCT
	03.LA.054	Z LIGHT 4 IP20
	03.LA.055	Z LIGHT 4 IP65

		Z LIGHT 1	Z LIGHT 3 IP20	Z LIGHT 3 IP65	Z LIGHT 4 IP20	Z LIGHT4 IP65
TECHNICAL SPECIFICATIONS	Output channels	1	3	3	4	4
	Power x channel	18W	18W	18W	18W	18W
	Current	350mA (*)	350mA (*)	350mA (*)	700mA	700mA
	Output voltage	48V	48V	48V	48V	48V
	DMX channels	•	•	•	•	•
	Output connections	•	RJ12 and M12	M12	RJ45 and M12	M12
	IP protection	IP20	IP20	IP65	IP20	IP65
	Rack mountable	•	•	•	•	•
	Display	•	•	•	•	•

\* Also available in 700mA version

		Z LIGHT 1	Z LIGHT 3 IP20	Z LIGHT 3 IP65	Z LIGHT 4 IP20	Z LIGHT4 IP65
COMPATIBILITY LED PRODUCTS / CONTROLLERS	FOS 100 RGBA / WHITE	•	•	•	1	1
	FOS 33 RGBA / WHITE	•	•	•	3	3
	HELIOS FULL COLOUR	•	1	1	•	•
	HELIOS RGB / WHITE	•	1	1	•	•
	FOCUS FULL COLOUR	•	4	4	•	•
	FOCUS RGB / WHITE	•	12	12	•	•
	MINI FOCUS FULL COLOUR	•	12	12	•	•
	MINI FOCUS 1 COLOUR	12	36	36	•	•
	MR 16 FULL COLOUR	•	4	4	•	•
	MR16 RGB	•	12	12	•	•
	MR16 WHITE 3200-5500°K	•	12	12	•	•



## LED CONTROLLERS

### **S.T.I.C.K.**

STICK is a stand-alone control system designed for the centralized command of DTS products featuring LED technology in complex architectural applications.

STICK is ideal in a wide range of uses, for both interiors (restaurants, offices, shops, clubs, bars, museums, hotels) and exteriors (buildings, monuments, gardens, fountains, resorts, theme parks).

S.T.I.C.K. uses the standard digital communication protocol USITT DMX 512.

With its compact dimensions and ultra-slim panel, STICK can be easily embedded in walls and other surfaces, easily adapting to an ample variety of electric boxes.

All functions are commanded directly from the panel using touch-sensitive controls guaranteeing precise operation and unparalleled efficiency.

STICK allows a virtually infinite range of colour

combinations and light effects to be controlled, both fixed and dynamic, and these can be created and memorized as “scenes” in the 200 internal memories.

Total memory capacity is practically unlimited, because storage is provided with interchangeable SD cards.

Each “scene” can be recalled and reproduced as required.

In addition, the incorporated clock and calendar functions allow any combination of colours and light effects to be reproduced totally automatically.

Different “scenes” can be assigned to different locations (max 5), controlling lighting in each area directly from STICK.

STICK can also be easily programmed using the USB “plug-and-play” connector. Just connect STICK to your computer and use the software supplied in the package. The scenes created can then be saved in the internal STICK memory.

## S.T.I.C.K.



## TECHNICAL SPECIFICATIONS

Windows 64-bit compatible  
 Touch sensitive control panel  
 Applications for smart phones  
 Easy programming via USB  
 Advanced Ethernet-Network features  
 1024 DMX OUT channels (2 universes)  
 Unlimited memory via SD CARD  
 Integrated clock/calendar  
 8 Ports, RS232 and IP address  
 Dedicated infrared remote control  
 ESA PRO software application  
 (included in the package)

## ACCESSORIES

DESCRIPTION	CODE
• Ethernet board	03.LA.111

## **DMX MASTER SOFTWARE**

DMX MASTER SOFTWARE is an advanced system dedicated to the programming and control of D.T.S. products featuring LED technology in architectural applications.

DMX MASTER SOFTWARE is ideal in a wide range of uses, for both interiors (restaurants, offices, shops, clubs, bars, museums, hotels) and exteriors (buildings, monuments, gardens, fountains, resorts, theme parks).

DMX MASTER SOFTWARE uses the standard digital communication protocol USITT DMX 512.

DMX MASTER SOFTWARE is a DMX light control software for PC (Windows 32 or 64 bit compatible), supplied bundled with the DMX 512 IN / OUT interface.

### **DMX MASTER SOFTWARE**

allows up to 512 DMX channels to be controlled rationally directly from your PC.

DMX MASTER SOFTWARE makes it possible to easily program, edit and memorize complex lighting effects thanks to a comprehensive graphic interface and advanced internal functions. The included 3D visualization software comes with a realistic rendering of the static or dynamic lighting being programmed.

## DMX MASTER SOFTWARE

		CODE
		03.E1260

## TECHNICAL SPECIFICATIONS

### DMX MASTER SOFTWARE

Unlimited number of scenes, programs, steps, sequences and effects  
Management of lighting groups and fixtures functions

Automatic change of lighting address

Virtual scenes

Scene generator

Compatible with any DMX projector

Vast internal fixtures library

Music sync (BPM, MP3, WAV e Audio In)

### DMX 512 IN / OUT

Plug & play USB/DMX interface for DMX Master Software or stand alone

USB 1 and 2 compatibility

512 DMX channels (Out) / 264 DMX channels (Out - stand alone mode)

Internal memory; 2 buttons for selecting a scene in stand alone mode

Memory: over 8000 steps

HE10 connector, for external controller

## ACCESSORY

DESCRIPTION	CODE
• Stabilized 12V Power supply unit, for DMX 512 IN / OUT interface, on stand alone operation	0508T002
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=0,5 MT	0521D001.005
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=2,5 MT	0521D001.025
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=5 MT	0521D001.050
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=15 MT	0521D001.150
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=25 MT	0521D001.250
• DMX cable Eurocable with 5-pole Neutrik connectors M/F L=50 MT	0521D001.500





0517M053.GB



**The Lighting Company**

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### ISO 9001:2000

D.T.S. quality system  
is certified to the  
ISO 9001:2000 standard



D.T.S. products are designed  
and manufactured at the D.T.S.  
plants in Italy



Safeguarding the environment  
is a primary responsibility of  
every company. D.T.S. makes  
every effort to operate in a  
manner ensuring minimal  
environmental impact. To know  
more, download the brochure  
"commitment:environment"  
from the D.T.S. web site,  
"COMPANY" section.