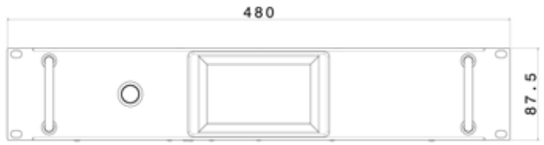
The Lighting Company

POWER SUPPLIES / CONTROLLERS

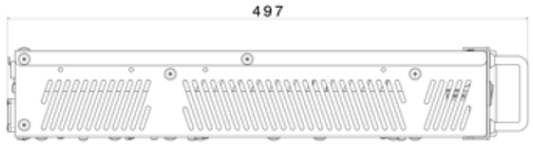
DRIVENET 832 / Z1 PLUS / Z8 / Z40 / Z30 / Z60

DRIVENET 832

FRONT VIEW



SIDE VIEW



REAR VIEW (screw terminal)

Overview

DRIVENET 832 is the most advanced rack-mountable full-range AC 90-260 V 50-60 Hz power supply / controller unit in D.T.S. range.
DRIVENET 832 introduces a series of cutting edge features:
* 32 output channels individually programmable (8 outputs, 4 channels each).
* Unit controlled via RDM/DMX512 protocol or Art-Net protocol (with optional interface)
* Current individually selectable for each output channel.
* Touch-screen color display for managing any function.
* Updatable operating software.

DRIVENET 832 can control a vast range of D.T.S. LED projectors.
See 'Controllers / Projectors compatibility table' for the detailed interconnection table.
DRIVENET 832 can also control any other current-driven LED projector matching the unit output specifications.
DRIVENET 832 is fitted with screw terminal connectors.

Electrical specifications

General:
Input Voltage Range
Vin 90 - 260 Vac
Frequency
50 - 60 Hz
Power consumption
Max 1200 W
Power factor (PF)
0.95 electronic PFC controller
Efficiency
90% typical

Output:
Output channels
32 (8 outputs, 4 channels each)
Power x output
Max 136 W
Power x channel
Max 34 W
Output current per channel
Max 700mA
Output voltage
48V

Connections

Output:
8-pole screw terminal
DMX:
DMX In: XLR 5-pole and XLR 3-pole
DMX Out: XLR 5-pole and XLR 3-pole
Maximum distance between DRIVENET 832 and the last driven LED projector:
100 meters (units featuring RGBW or White LEDs)
50 meters (units featuring FC or CT LEDs)

Physical specifications

2-unit rack-mountable sturdy metal case covered with epoxy paint
Protection rating: IP20
Weight: 8.5 Kg

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Control

LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 32 CH / 64 CH / 10 CH / 14 CH / 80 CH / 112 CH / 48 CH
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

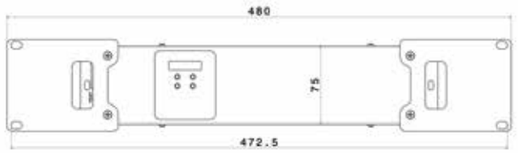
Product code numbers

03.LA.177 DRIVENET 832

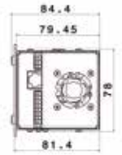
Z1 PLUS

Z1 PLUS IP20

FRONT VIEW



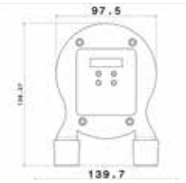
SIDE VIEW



Z1 PLUS IP65

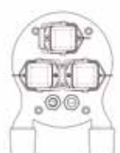
FRONT VIEW

SIDE VIEW



Z1 PLUS IP20 (RJ45 connector / screw terminal)

Z1 PLUS IP65 (M12 connectors)



Overview

Z1 PLUS is a full-range AC 90-260 V 50-60 Hz power supply / DMX controller unit available in two versions: Z1 PLUS IP20 (IP20 protection rating) and Z1 PLUS IP65 (IP65 protection rating).
Z1 PLUS is designed to control a range of D.T.S. LED projectors including: FOS 100 FC / CT, FOS 66 FC / CT, FOS 33 FC / CT, TITAN HEAD FC / CT, RA7 HEAD FC / CT, FOCUS FC / CT / WHITE, HELIOS R FC / CT, MINIFOCUS FC / CT / WHITE, VICE R, HELIOS R BRONZE, PIXEL DROP FC / CT.
See 'Controllers / Projectors compatibility table' for the detailed interconnection table.
Z1 PLUS can also control any other current-driven LED projector matching the unit output specifications.
Z1 PLUS features 4 output channels.
Z1 PLUS IP20 features screw terminals and RJ45 connectors; Z1 PLUS IP65 features M12 connectors.

Electrical specifications

General:
Input Voltage Range
Vin 90 - 260 Vac
Frequency
50 - 60 Hz
Power consumption
Max 100 W
Power factor (PF)
0.95 electronic PFC controller
Efficiency
90% typical

Output:
Output channels
4
Power x output
Max 100 W
Power x channel
Max 25 W
Output current per channel
500mA (Boost mode)
Output voltage
68V

Connections

Output:
Screw terminals and RJ45 connector (Z1 PLUS IP20)
M12 connectors (Z1 PLUS IP65)
DMX:
DMX In and Out: XLR 5-pole connectors (Z1 PLUS IP20)
DMX In and Out: Harting 4-pole connectors (Z1 PLUS IP65)
Maximum distance between Z1 PLUS and the last driven LED projector:
100 meters

Physical specifications

Sturdy metal case covered with epoxy paint
Protection rating: IP20 (Z1 PLUS IP20); IP65 (Z1 PLUS IP65)
Weight: 1.5 Kg (Z1 PLUS IP 20)
Weight: 2.5 Kg (Z1 PLUS IP 65)

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Control

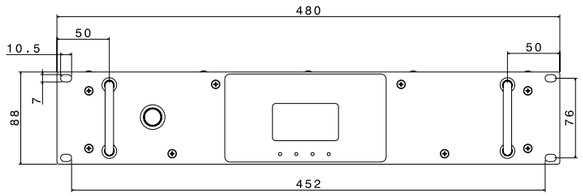
LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 10 CH (default)
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

Product code numbers

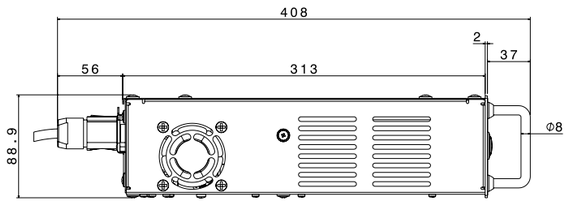
03.LA.009P Z1 PLUS IP 20
03.LA.009P.IP65 Z1 PLUS IP 65

Z8

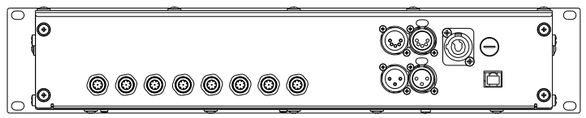
FRONT VIEW



SIDE VIEW



REAR VIEW (M12 connectors)



REAR VIEW (screw terminal)

Connections

Output:
8-pole plug-in screw terminal or M12 connectors
DMX:
DMX In: XLR 5-pole and XLR 3-pole
DMX Out: XLR 5-pole and XLR 3-pole
Maximum distance between Z8 and the last driven LED projector:
100 meters (units featuring RGBW or White LEDs)
50 meters (units featuring FC or CT LEDs)

Physical specifications

2-unit rack-mountable sturdy metal case covered with epoxy paint
Protection rating: IP20
Weight: 7.5 Kg

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Overview

Z8 is a rack-mountable full-range AC 90-260 V power supply / DMX controller unit designed to control a range of D.T.S. LED projectors including: FOS 100 FC / CT; FOS 66 FC / CT; FOS 33 FC / CT; TITAN FC / CT / RGBW; RA 7 FC / CT / RGBW; FOCUS FC / CT / WHITE; MINIFOCUS FC / CT / WHITE; HELIOS R FC / CT / BRONZE; HORUS FC / CT; VICE R; PIXEL DROP FC / CT.
See 'Controllers / Projectors compatibility table' for the detailed interconnection.
Z8 can also control any other current-driven LED projector matching the unit output specifications.
Z8 features 32 output channels (8 outputs, 4 channels each).
Z8 is available with screw terminals or M12 connectors.

Electrical specifications

General:
Input Voltage Range
Vin 90 - 260 Vac
Frequency
50 - 60 Hz
Power consumption
Max 800 W
Power factor (PF)
0.95 electronic PFC controller
Efficiency
90% typical

Output:
Output channels
32 (8 outputs, 4 channels each)
Power x output
Max 96 W
Power x channel
Max 24 W
Output current per channel
350mA - 500mA (Boost mode)
Output voltage
48V

Control

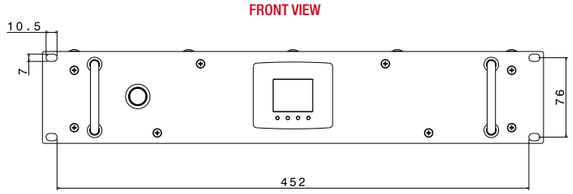
LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 32 CH (default) / 112 CH / 80 CH / 64 CH / 48 CH / 14 CH / 10 CH / 1 CH FULL / CUSTOM
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

Product code numbers

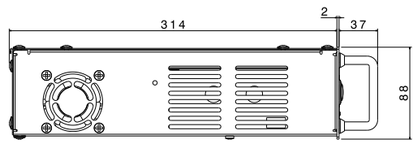
03.LA.080.V3 Z8 (CSA approved) (8-pole screw terminal)
03.LA.080.V2 Z8 (8-pole screw terminal)
03.LA.075.V2 Z8 (M12 connector)

Z40

FRONT VIEW



SIDE VIEW



REAR VIEW (M12 connectors)

REAR VIEW (screw terminal)

Connections

Output:
8-pole plug-in screw terminals or M16 connectors
DMX:
DMX In: XLR 5-pole and XLR 3-pole
DMX Out: XLR 5-pole and XLR 3-pole
Maximum distance between Z40 and the last driven LED projector:
50 meters

Physical specifications

2-unit rack-mountable sturdy metal case covered with epoxy paint
Protection rating: IP20
Weight: 7 Kg

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Overview

Z40 is a rack-mountable full-range AC 90-260 V 50-60 Hz power supply / DMX controller unit designed to control a range of D.T.S. LED projectors including: DELTA 8 B HEAD, FOS 100 POWER, FOS 50 POWER, DONUT.
See 'Controllers / Projectors compatibility table' for the detailed interconnection table.
Z40 can also control any other current-driven LED projector matching the unit output specifications.
Z40 features 16 output channels (4 channels x 4 outputs).
Z40 is available with screw terminals or M16 connectors.

Electrical specifications

General:
Input Voltage Range
Vin 90 - 260 Vac
Frequency
50 - 60 Hz
Power consumption
Max 800 W
Power factor (PF)
0.95 electronic PFC controller
Efficiency
90% typical

Output:
Output channels
16 (4 channels x 4 outputs)
Power x output
Max 200 W
Power x channel
Max 50 W
Output current per channel
1600mA
Output voltage
48V

Control

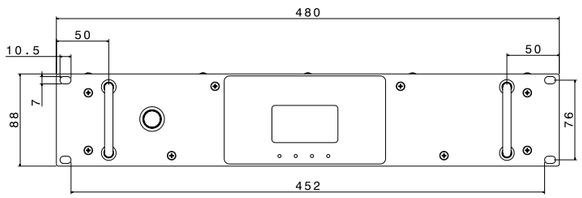
LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 10 CH (default)
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

Product code numbers

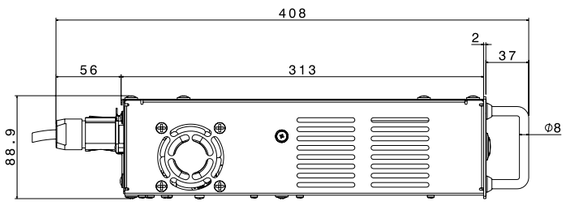
03.LA.130 Z40 (8-pole screw terminals)
03.LA.120 Z40 (M16 9-pole connectors)

Z30

FRONT VIEW



SIDE VIEW



REAR VIEW (screw terminal)

Overview

Z30 is a rack-mountable full-range AC 90-260 V 50-60 Hz power supply / DMX controller unit designed to control a range of D.T.S. LED projectors made for underwater installation in fountains or swimming pools, including: DIVE 1 FC / DIVE 1 R FC; DIVE 3 FC / DIVE 3 R FC; DIVE 6 FC / DIVE 6 R FC; DIVE 9 RGB / DIVE 9 R RGB; DIVE 18 RGB / DIVE 18 R RGB.

Z30 is available in two versions featuring a different output voltage: 12V or 24V.

Refer to local norms in case of underwater installation of the connected LED projectors.

See 'Controllers / Projectors compatibility table' for the detailed interconnection table.

Z30 features 32 output channels (8 outputs, 4 channels each).

Z30 is available with screw terminals connection panel.

Electrical specifications

General:

Input Voltage Range
Vin 90 - 260 Vac

Frequency
50 - 60 Hz

Power consumption range
Max 200 W (Z30 12V)
Max 390 W (Z30 24V)

Power factor (PF)
0.95 electronic PFC controller

Efficiency
90% typical

Output:

Output channels
32 (8 outputs, 4 channels each)

Power x output
Max 24 W (12V version) / Max 48 W (24V version)

Power x channel
Max 6 W (12V version) / Max 12 W (24V version)

Output current per channel
350mA - 500mA (Boost mode)

Output voltage
12V (12V version) / 24V (24V version)

Connections

Output:
8-pole plug-in screw connector

DMX:
DMX In: XLR 5-pole and XLR 3-pole
DMX Out: XLR 5-pole and XLR 3-pole

Maximum distance between Z30 and the last driven LED projector:
100 meters (units featuring RGB or White LEDs)
50 meters (units featuring FC or CT LEDs)

Physical specifications

2-unit rack-mountable sturdy metal case covered with epoxy paint
Protection rating: IP20
Weight: 7.5 Kg

Control

LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 32 CH (Default) / 64 CH / 10 CH / 14 CH / 80 CH / 112 CH / 48 CH
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

Product code numbers

03.LA.077.V4 Z30 12V
03.LA.077.V5 Z30 24V

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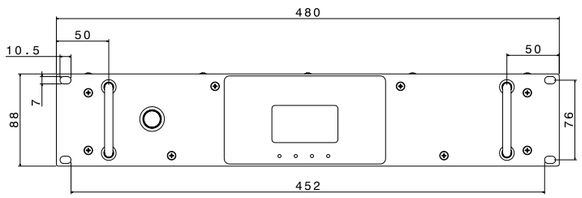
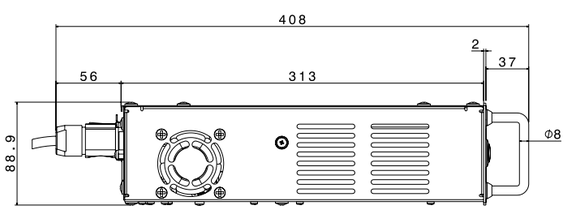
Z60

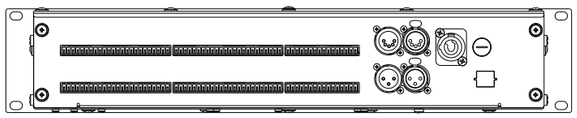
FRONT VIEW



SIDE VIEW



REAR VIEW (screw terminal)



Overview

Z60 is a rack-mountable full-range AC 90-260 V 50-60 Hz power supply / DMX controller unit designed to control a range of D.T.S. LED projectors made for underwater installation in fountains or swimming pools, including: DIVE 1 FC / DIVE 1 R FC; DIVE 3 FC / DIVE 3 R FC; DIVE 6 FC / DIVE 6 R FC; DIVE 9 RGB / DIVE 9 R RGB; DIVE 18 RGB / DIVE 18 R RGB.

Z60 is available in two versions featuring a different output voltage: 12V or 24V.

Refer to local norms in case of underwater installation of the connected LED projectors.

See 'Controllers / Projectors compatibility table' for the detailed interconnection table.

Z60 features 64 output channels (16 outputs, 4 channels each).

Z60 is available with screw terminals connection panel.

Electrical specifications

General:

Input Voltage Range
Vin 90 - 260 Vac

Frequency
50 - 60 Hz

Power consumption
Max 390 W (Z60 12V)
Max 780 W Max (Z60 24V)

Power factor (PF)
0.95 electronic PFC controller

Efficiency
90% typical

Output:

Output channels
32 (8 outputs, 4 channels each)

Power x output
Max 24 W (12V version) / Max 48 W (24V version)

Power x channel
Max 6 W (12V version) / Max 12W (24V version)

Output current per channel
350mA - 500mA (Boost mode)

Output voltage
12V (12V version) / 24V (24V version)

Connections

Output:
8-pole plug-in screw connector

DMX:
DMX In: XLR 5-pole and XLR 3-pole
DMX Out: XLR 5-pole and XLR 3-pole

Maximum distance between Z60 and the last driven LED projector:
100 meters (units featuring RGB or White LEDs)
50 meters (units featuring FC or CT LEDs)

Physical specifications

2-unit rack-mountable sturdy metal case covered with epoxy paint
Protection rating: IP20
Weight: 7.5 Kg

Control

LCD graphic display + 4 buttons for controlling menu functions
Control signal: DMX 512
DMX modes: 64 CH (Default) / 128 CH / 10 CH / 14 CH / 160 CH / 224 CH / 96 CH
Dimming system: constant current PWM
Internal OS updatable via D.T.S. Red Box

Product code numbers

03.LA.076.V4 Z60 12V
03.LA.076.V5 Z60 24V

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LED CONTROLLERS / PROJECTORS COMPATIBILITY TABLE

	LED CONTROLLERS → / ↓ LED PROJECTORS	DRIVENET 832	Z1 PLUS IP20 / Z1 PLUS IP65	Z8	Z40	Z30 12Vdc	Z30 24Vdc	Z60 12Vdc	Z60 24Vdc
HIGH-POWER LED PROJECTORS	**DELTA 8 B HEAD** FC / CT				**Max 4** (1 x 4 outputs)				
	DELTA 8 B HEAD 144 RGBW				**Max 4** (1 x 4 outputs)				
LED BARS	**FOS 100 POWER** FC / CT				**Max 4** (1 x 4 outputs)				
	FOS 50 POWER FC / CT				**Max 8** (min. 2 x 4 out)				
	FOS 100 FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	FOS 66 FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	FOS 33 FC / CT	**Max 24** (3 x 8 outputs)	**Max 3**	**Max 24** (3 x 8 outputs)					
LED PROJECTORS	**TITAN HEAD** FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	TITAN HEAD RGBW 48	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	RA7 HEAD FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	RA7 HEAD RGBW 48	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	FOCUS FC / CT	**Max 40** (5 x 8 outputs)	**Max 5**	**Max 40** (5 x 8 outputs)					
	FOCUS WHITE	**Max 160** (20 x 8 outputs)	**Max 20**	**Max 160** (20 x 8 outputs)					
	MINIFOCUS FC / CT	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
	MINIFOCUS WHITE	**Max 480** (60 x 8 outputs)	**Max 60**	**Max 480** (60 x 8 outputs)					
UPLIGHT LED PROJECTORS	**HELIOS R** FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	MINIFOCUS R OUT FC / CT	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
	MINIFOCUS R OUT WHITE	**Max 480** (60 x 8 outputs)	**Max 60**	**Max 480** (60 x 8 outputs)					
	MINIFOCUS R IN ROUND FC / CT	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
	MINIFOCUS R IN ROUND WHITE	**Max 480** (60 x 8 outputs)	**Max 60**	**Max 480** (60 x 8 outputs)					
	FOCUS R FC / CT	**Max 40** (5 x 8 outputs)	**Max 5**	**Max 40** (5 x 8 outputs)					
	FOCUS R WHITE	**Max 160** (20 x 8 outputs)	**Max 20**	**Max 160** (20 x 8 outputs)					
DOWNLIGHT LED PROJECTORS	**HORUS** FC / CT	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	MINIFOCUS R DP CEILING FC / CT	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
	MINIFOCUS R DP CEILING WHITE	**Max 480** (60 x 8 outputs)	**Max 60**	**Max 480** (60 x 8 outputs)					
	VICE R WHITE	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
UNDERWATER LED PROJECTORS	**DONUT**				**Max 4** (1 x 4 outputs)				
	HELIOS R BRONZE RGBW	**Max 8** (1 x 8 outputs)	**Max 1**	**Max 8** (1 x 8 outputs)					
	DIVE 1 / DIVE 1 R FC					Max **24** (3 x 8 outputs)	**Max 48** (6 x 8 outputs)	**Max 48** (3 x 16 outputs)	**Max 96** (6 x 16 outputs)
	DIVE 3 / DIVE 3 R FC					**Max 8** (1 x 8 outputs)	**Max 16** (2 x 8 outputs)	**Max 16** (1 x 16 outputs)	**Max 32** (2 x 16 outputs)
	DIVE 6 / DIVE 6 R FC						**Max 8** (1 x 8 outputs)		**Max 16** (1 x 16 outputs)
	DIVE 9 / DIVE 9 R RGB					**Max 8** (1 x 8 outputs)	**Max 8** (1 x 8 outputs)	**Max 16** (1 x 16 outputs)	**Max 16** (1 x 16 outputs)
	DIVE 18 / DIVE 18 R RGB					**Max 4** (2 out each unit x 8 out)	**Max 8** (1 x 8 outputs)	**Max 8** (2 out each unit x 16 out)	**Max 16** (1 x 16 outputs)
MATRIX LED SYSTEMS	**PIXEL DROP** FC	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					
	PIXEL DROP CT	**Max 120** (15 x 8 outputs)	**Max 15**	**Max 120** (15 x 8 outputs)					

The Lighting Company

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