DX

DX Small Driver Panel



eldoLED





DESCRIPTION

ALPHABET's DX small driver enclosure hub holds up to 4 LED drivers with maximum 100W output each. It solves many application issues for remote driver placement and allows for easy maintenance where individual fixture access is challenging. Includes fan system with vents for optimal thermal management and airflow. Great for retail, commercial and restaurant. Drivers are included and work with any 2108 listed fixtures.

ELECTRICAL/CONTROLS

INPUT:

- 120-277Vac, 50/60Hz input

- OUTPUT:
- Maximum 100W total output per driver
- Output voltage range 2-55Vdc per channel (see page 2)
- Programmable output current range: 150-1400mA (see driver table)
- Additional driver information on page 2
- Max 18 AWG 330ft remote fixture distance

CONTROLS:

- DALI2, DMX, and 0-10V dimming options available
- Lutron Athena System option available, consult factory

LISTING:

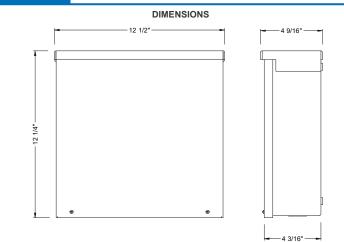
- Listed to UL2108, CSA C22.2 #250.0 and UL8750

MOUNTING

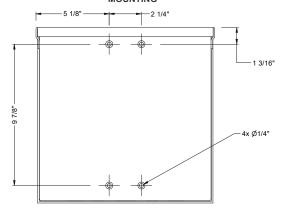
- Four mounting points, 1/4" anchor bolts/studs/rods, length dependent on substrate
- Climate controlled room required, maximum 27°C
- Minimum 12" top and bottom clearance from floor, ceiling or any obstruction
- Minimum 6" side by side clearance

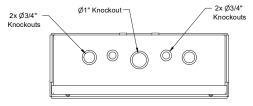
PROJECT INFORMATION					
JOB NAME		TYPE			
ORDERING CODE					

DIMENSIONS



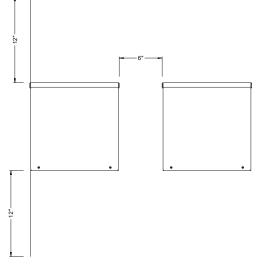
MOUNTING





NOTE: Mounting locations and knockout patterns are subject to change.

SPACING



Alphabet by Ledra Brands, Inc. 88 Maxwell Irvine, CA 92618 PH: 714.259.9959 FAX: 714.259.9969 AlphabetLighting.com

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

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REMOTE DRIVER - DIM10 ORDERING CODE

PART NUMBER	DX	driver panel		
TYPE	S	small		
BLECTRICAL 30W 30W, single output 50W 50W, single output 50W-2 25W/25W, two outputs 75W 75W, single output 100W 100W, single output		50W, single output 25W/25W, two outputs 75W, single output		
DIM10 0-10V dimming to 1% DIM10Z 0-10V dimming to 0.1%		0-10V dimming to 1% 0-10V dimming to 0.1%		
NUMBER OF DRIVERS	1 - 4	number of drivers, 1 - 4 (see table below)		

ORDERING CODE

Follow the steps to specify your fixture, example:

DX - S - DIM10Z - 50W - 2 - 4

WATTAGE	DIMMING TYPE	DRIVER MODEL	MAX mA	DRIVER NUMBER
30W	DIM10	eldoLED - ECOdrive 361/B	700mA	4
50W	DIM10	eldoLED - ECOdrive 561/B	1200mA	4
75W	DIM10	eldoLED - ECOdrive 75B-M1A0A	1900mA	2
30W	DIM10Z	eldoLED - SOLOdrive 361/B	700mA	4
50W DIM10Z eldoLED - SOLOdriv		eldoLED - SOLOdrive 561/S	1200mA	4
50W-2	DIM10Z	eldoLED - SOLOdrive 561/S	2 x 600mA	4
75W DIM10Z		eldoLED - SOLOdrive 75B-M1A0A	1900mA	2
100W	DIM10Z	MOONS' - MU096A210AQD	2100mA	2

REMOTE DRIVER - DALI ORDERING CODE

PART NUMBER DX driver panel		
S	small	
30W 50W 50W-2 75W 100W	30W, single output 50W, single output 25W/25W, two outputs 75W, single output 100W, single output	
DIMMING DALI DALI2 dimming to 1% DALI2 DALI2 dimming to 0.1%		
NUMBER OF DRIVERS 1 - 4 number of drivers, 1 - 4 (see table below)		
	S 30W 50W 50W-2 75W 100W DALI DALIZ	S small 30W 30W, single output 50W 50W, single output 50W-2 25W/25W, two outputs 75W 75W, single output 100W 100W, single output DALI DALI2 dimming to 1% DALIZ DALI2 dimming to 0.1%

ORDERING CODE

Follow the steps to specify your fixture, example: DX - S - DALIZ - 100W - 2

WATTAGE	DIMMING TYPE	DRIVER MODEL	MAX mA	DRIVER NUMBER
30W	DALI	eldoLED - ECOdrive 360/B	700mA	4
50W	DALI	eldoLED - ECOdrive 560/A	1200mA	4
75W	DALI	eldoLED - ECOdrive 75B-M1A0D	1900mA	2
30W	DALIZ	eldoLED - SOLOdrive 360/B	700mA	4
50W	DALIZ	eldoLED - SOLOdrive 560/S	1200mA	4
50W-2	DALIZ	eldoLED - SOLOdrive 560/S	2 x 600mA	4
75W	DALIZ	eldoLED - SOLOdrive 75B-M1A0D	1900mA	2
100W	DALIZ	MOONS' - MU096I210AQI22	2100mA	2

REMOTE DRIVER - DMX ORDERING CODE

PART NUMBER	DX	driver panel
TYPE	TYPE S small	
ELECTRICAL OPTIONS 50W 50W, single output 100W 100W, single output		50W, single output 100W, single output
DIMMING	DMXZ	DMX dimming to 0.1%
NUMBER OF DRIVERS	1 - 3	number of drivers, 1 - 3 (see table below)

ORDERING CODE

Follow the steps to specify your fixture, example: DX - S - DMXZ - 50W - 4

WATTAGE	DIMMING TYPE	DRIVER MODEL	MAX mA	DRIVER NUMBER
50W	DMXZ	MOONS' - MU0501180AQ152	1200mA	3
100W	DMXZ	MOONS' - MU096I210AQI52	2100mA	2

PROJECT INFOR	MATION		
JOB NAME		ТҮРЕ	
ORDERING CODE			

DESCRIPTION

- 0-10V dimmable protocol LED drive with smooth flicker free dimming
- 0-10V wiring to be supplied & completed by customer, terminating into the dimming terminal blocks located on each individual driver

ELECTRICAL/CONTROLS

- 120-277Vac, 50/60Hz input
- 30W/50W/75W/100W options
- 2-55Vdc output per channel
- 1 control channel for 50W-2 option
- 0-10V compatible
- Logarithmic dimming curve
- Operating temperature: -4°F to 122°F
- Class II rated
- Suitable for use in damp and dry locations
- Short circuit protection
- Overload protection
- Over-voltage protection
- Thermal protection

DESCRIPTION

- DALI2 dimmable protocol LED driver with smooth flicker free dimming
- Prewired DALI2 control circuit, easily connect controls via single set of terminal blocks, individually addressable drivers

ELECTRICAL/CONTROLS

- 120-277Vac, 50/60Hz input
- 30W/50W/75W/100W options
- 2-55Vdc output per channel
- 1 control channel for 50W-2 option
- Logarithmic dimming curve
- Operating temperature: -4°F to 122°F
- Class II rated
- Suitable for use in damp and dry locations
- Short circuit protection
- Overload protection
- Over-voltage protection
- Thermal protection

DESCRIPTION

- DMX dimmable protocol LED drive with smooth flicker free dimming
- DMX prewired to RJ45, in and out, drivers individually addressable

ELECTRICAL/CONTROLS

- 120-277Vac, 50/60Hz input
- 50W/100W options
- 8-55Vdc output per channel
- Isolated dimming circuit DMX compatible
- Operating temperature: -13°F to 122°F
- Class II rated
- Suitable for use in damp and dry locations
- Short circuit protection
- Overload protection
- Over-voltage protection
- Thermal protection

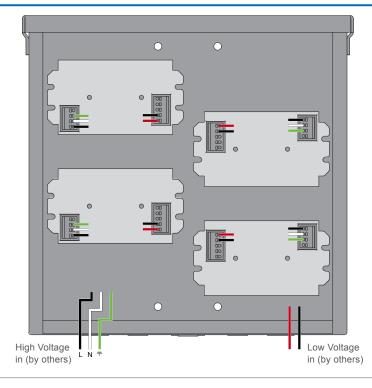
50W / 50W-2 ORDERING PAGE

 PROJECT INFORMATION

 JOB NAME
 TYPE

 ORDERING CODE

- Pre-wired driver leads with wago connectors for simplified wiring.
- -Individual 2-wago connectors for each LED lead
- -Line voltage wired into 3-5 wago connectors for single circuit
- Remove wagos if multi circuit required by others.



DRIVER PANEL # __

Each Driver Panel is pre-configured to the specifications below.

— Please fill out this form, or multiple forms as needed, and submit along with the purchase order.

DRIVER PANEL ORDERING PAGE 50W / 50W-2

*50W, single output - use only one output per driver

DRIVER LABEL

DRIVER	OUTPUT	TYPE	PWR CIRCUIT	CONTROL CIRCUIT	ZONE	mA
	1					
1	2					
2	3					
2	4					
3	5					
3	6					
4	7					
4	8					

Each Driver Panel is pre-configured to the specifications below.

Please fill out this form, or multiple forms as needed, and submit along with the purchase order.

DRIVER PANEL ORDERING PAGE 50W-2 - EXAMPLE

DRIVER LABEL

DRIVER	Ουτρυτ	ТҮРЕ	PWR CIRCUIT	CONTROL CIRCUIT	ZONE	mA
1	1	CL.02	L-1	D1a	Z2	400
I	2	CL.02	L-1	D1a	Z2	400
2	3	CL.02	L-1	D1a	Z2	400
2	4	CL.02	L-1	D1a	Z2	400
3	5	CL.02	L-1	D1a	Z2	400
3	6	CL.02	L-1	D1a	Z2	400
4	7	CL.02	L-1	D1a	Z2	400
4	8	CL.02	L-1	D1a	Z2	400

NU Series, BETA Series, Dimension Series: Minimum Wire Gauge Approved Mounting Distance 18 AWG 330 FT *Do not exceed the output parameters of the Driver.

DRIVER PANEL # __

Voltage drop must be taken into consideration while leaving enough design margin to account for expected operating conditions.

ne output https://www.calculator.net/voltage-drop-calculator.html Depending on application requirements for EMI/RFI emissions and susceptibility, conduit or shielded cabling may be recommended.

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75W / 100W ORDERING PAGE

PROJECT INFORMATION JOB NAME TYPE ORDERING CODE

-Pre-wired	driver leads with wago	
connector	s for simplified wiring.	

- -Individual 2-wago connectors for each LED lead
- -Line voltage wired into 3-5 wago connectors for single circuit
- -Remove wagos if multi circuit required by others.

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High Voltage in (by others)		•	•	Low Voltage in (by others)

DRIVER PANEL # _

Each Driver Panel is pre-configured to the specifications below.

- Please fill out this form, or multiple forms as needed, and submit along with the purchase order.

DRIVER PANEL ORDERING PAGE 75W / 100W

DRIVER LABEL

DRIVER	OUTPUT	ТҮРЕ	PWR CIRCUIT	CONTROL CIRCUIT	ZONE	mA
1	1					
2	2					

DRIVER PANEL # ____

Each Driver Panel is pre-configured to the specifications below.

Please fill out this form, or multiple forms as needed, and submit along with the purchase order.

DRIVER PANEL ORDERING PAGE 75W / 100W - EXAMPLE

DRIVER LABEL

DRIVER	OUTPUT	ТҮРЕ	PWR CIRCUIT	CONTROL CIRCUIT	ZONE	mA
1	1	CL.02	L-1	D1a	Z2	1100
2	2	CL.02	L-1	D1a	Z2	1100

NU Series, BETA Series, Dimension Series: Minimum Wire Gauge Approved Mounting Distance 18 AWG 330 FT *Do not exceed the output parameters of the Driver.

Voltage drop must be taken into consideration while leaving enough design margin to account for expected operating conditions.

https://www.calculator.net/voltage-drop-calculator.html Depending on application requirements for EMI/RFI emissions and susceptibility, conduit or shielded cabling may be recommended.

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