



Type(s)  
Project  
Date  
Notes

GENERAL INFORMATION

Designed for use with ArcSystem Pro One-Cell series luminaires, the ArcSystem driver range is a convection cooled LED driver providing superior quality dimming. Each driver variant has been specifically optimized for the best possible control of its intended luminaire. With this in mind, the following chart details compatibility of each variant:

DRIVER	SUITABLE FOR USE WITH:
D1 Driver	Pro One-Cell / Pro One-Cell Small
D1HO Driver	Pro One-Cell High-Output
D2 Driver	Pro One-Cell Micro
D4 CC Driver	Pro One-Cell / Pro One-Cell Small

Each D1 Driver provides power and control for one luminaire while the D2 can power up to two Pro One-Cell Micro luminaires. The D4 CC Driver provides power and control for up to four luminaires. Intensity may be controlled directly using a wired-DMX connection to the drivers RJ45 connectors, or wirelessly using the separate ArcMesh Transmitter. An optional, wired-only, DMX/RDM version of each driver is available for projects that do not require wireless capability.

ORDERING INFORMATION

ArcSystem Drivers

MODEL	CONTROL	DRIVER CONSTRUCTION
ARCPD1D - D1 Standard ARCPD1HD - D1HO Standard ARCPD2D - D2 Standard ARCPD4D - D4 Standard ARCPED1D - D1 Emergency ARCPED1HD - D1HO Emergency ARCPED2D - D2 Emergency ARCPED4D - D4 Emergency	(Blank) - DMX/ArcMesh RDM - DMX/RDM	M - Metal CCMMW - D4 CC Driver only

To complete the form, simply select an option at the bottom of each column to populate the last row with your desired part number.

GENERAL INFORMATION

APPLICATIONS

- Auditoriums
- Worklights
- Lobbies
- Houses of worship
- Museums
- Studios

FEATURES

- Wired-DMX with wireless ArcMesh control protocols
- Wired only DMX/RDM option available
- Stepless smooth dimming to absolute zero
- Silent operation
- Convection cooled
- Suitable for air handling/plenum use



## PRODUCT SPECIFICATIONS (ARCSYSTEM DRIVERS)

**Control**

Input method	DMX-512 via RJ45
Protocols	DMX, ArcMesh wireless, RDM (option)
Modes (footprint)	D1 / D1HO Driver: 1-channel D2 Driver: 2-Channel D4 Driver: 4-Channel
RDM configuration	Yes (with RDM option)
UI type	PC config app for ArcMesh option
Local control	No
Notes	ArcMesh wireless control requires optional TX1 transmitter

**Electrical**

Voltage range*	100–277 VAC 50/60 Hz hard-wired
Input method	Wiring compartment with two half-inch knock-outs at each end for field wiring D4: Removeable plate for field drilled holes
Inrush	D1 Driver: 20 A at 120 VAC D1HO Driver: 65 A at 120 VAC D2 Driver: 20 A at 120 VAC D4 CC Driver: 15 A at all voltages
Wattage (max / standby)	D1 Driver: 20 W / <0.5 W D1HO Driver: 100 W / <3 W D2 Driver: 20 W / <0.5 W D4 CC Driver: 115 W / <0.5 W
Power factor	>0.9
Current draw	D1 Driver: 0.20 A at 120 VAC D1HO Driver: 0.83 A at 120 VAC D2 Driver: 0.17 A at 120 VAC D4 CC Driver: 0.95 A at 120 VAC
Recommended maximum cable length from driver to luminaire	D1 Driver: 15 m (50 ft) D1HO Driver: 1 m (39.4") D2 Driver: 15 m (50 ft) D4 CC Driver: 15 m (50 ft)

**Thermal**

Ambient operating temp	0°–40° C (32°–104° F)
Fan (controllable)	N/A (convection cooled)
BTUs/hour	D1 Driver: 85 D1HO Driver: 341 D2 Driver: 68 D4 CC Driver: 361

**Physical**

Materials	Die-cast aluminum and cold-rolled steel
Color options	Black
Mounting options	4 screw holes in rear plate optional recessed bracket for D1 or D1HO (see separate datasheet)
IP rating	IP-20 (dry locations only)
Weight	D1 Driver: 0.61 kg (1.35 lb) D1HO Driver: 1.14 kg (2.50 lb) D2 Driver: 0.71 kg (1.55 lb) D4 CC Driver: 1.9 kg (4.2 lb)

**Warranty**

Driver	5 years
Website	<a href="https://www.etcconnect.com/Support/Warranty.aspx">https://www.etcconnect.com/Support/Warranty.aspx</a>

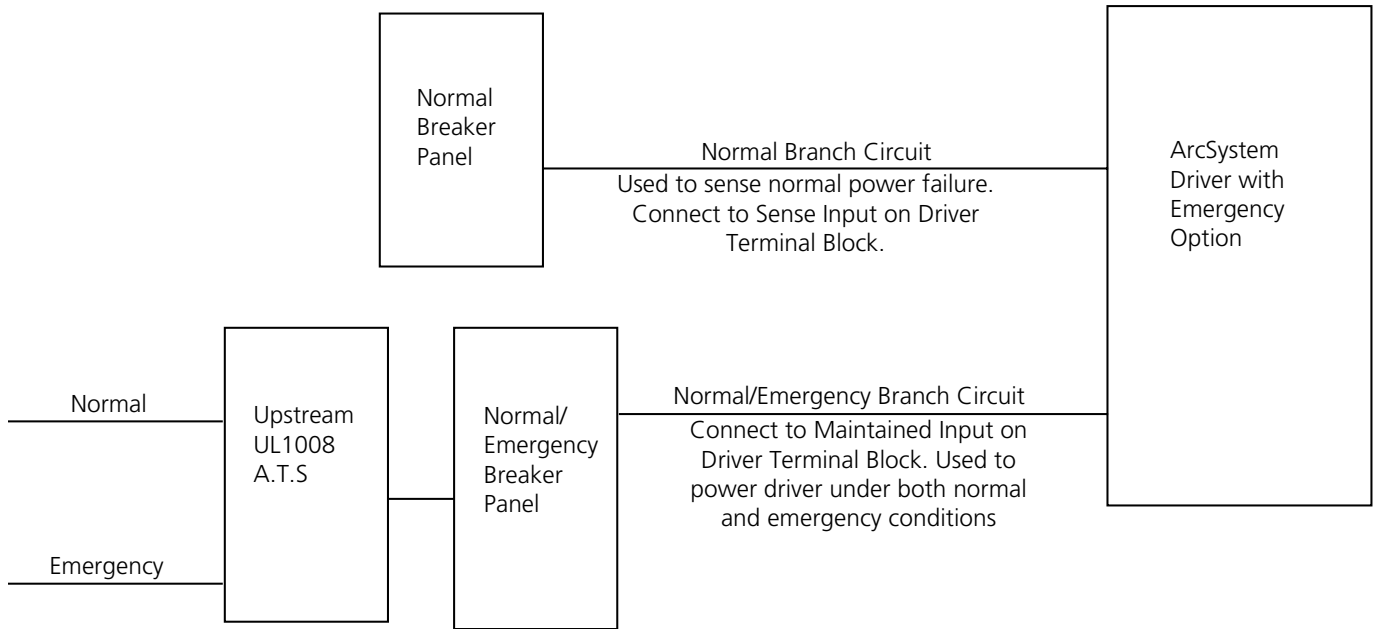
**Regulatory and Compliance**

Approved regulatory standards	Standard version cETLus Listed Conforms to ANSI/UL STD.8750 Certified to CSA STD. C22.2 No: 250.13 CE Compliant  Emergency version cETLus Listed Conforms to ANSI/UL STD.924 Certified to CSA STD. C22.2 No: 141 CE Compliant  D1/D1HO/D4 CC suitable for use in air handling systems by NEC 300.22(C)(3)
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**EMERGENCY CONNECTION**

A dual-input emergency version of this driver is available. Emergency drivers have two line-voltage leads that are wired to the product and have the following functions:

- Normal power/emergency power
- Normal power sense input



If normal power to the sense input is lost, the driver will force the luminaire on at 100% overriding all other control signals. There is no control of the driver/luminaire via wireless ArcMesh or wired DMX until normal power is restored at the sense input.

**ACCESSORY INFORMATION**

**D1/D2/D4 Extension Cables (to Pro One-Cell Luminaire)**

MODEL NUMBER	DESCRIPTION
ARCDAHBC1	1 m extension cable
ARCDAHBC2	2 m extension cable
ARCDAHBC3	3 m extension cable
ARCDAHBC5	5 m extension cable
ARCDAHBC10	10 m extension cable

**\*EXTENSIONS MAY NOT BE USED FOR D1HO/PRO ONE-CELL HIGH-OUTPUT**

PHYSICAL

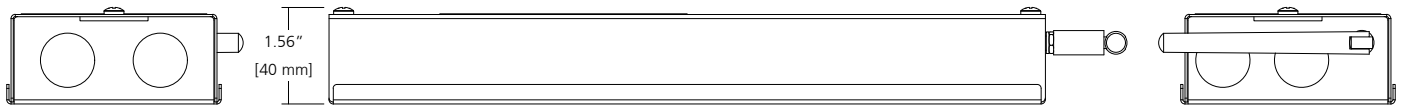
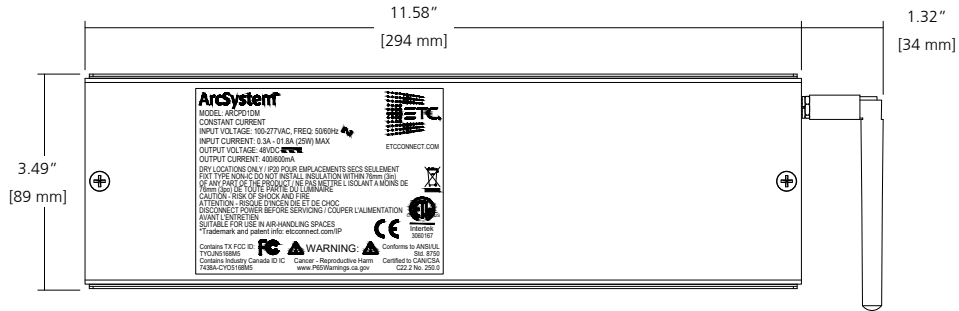
Product Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
D1 Driver	1.56	40	9.58	243	3.49	89
D1 HO Driver	3.03	77	9.98	253	3.49	89
D2 Driver	1.80	46	12.00	305	2.56	64
D4 CC Driver	11.09	282	8.20	209	2.28	58

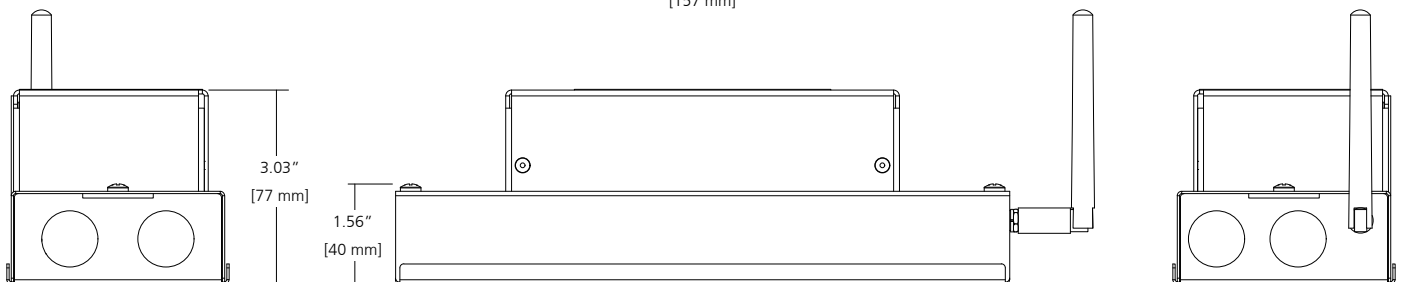
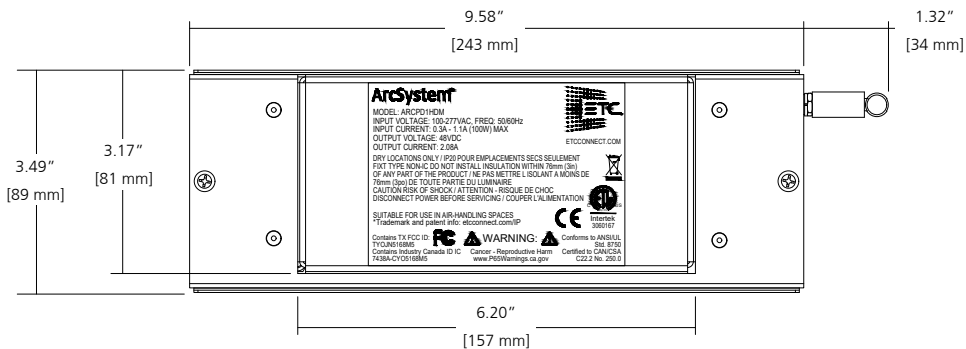
Product Weight

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
D1 Driver	1.35	0.61	1.70	0.77
D1 HO Driver	2.50	1.14	2.85	1.30
D2 Driver	1.55	0.71	1.95	0.89
D4 CC Driver	4.2	1.9	5.2	2.3

ARCSYSTEM D1 DRIVER



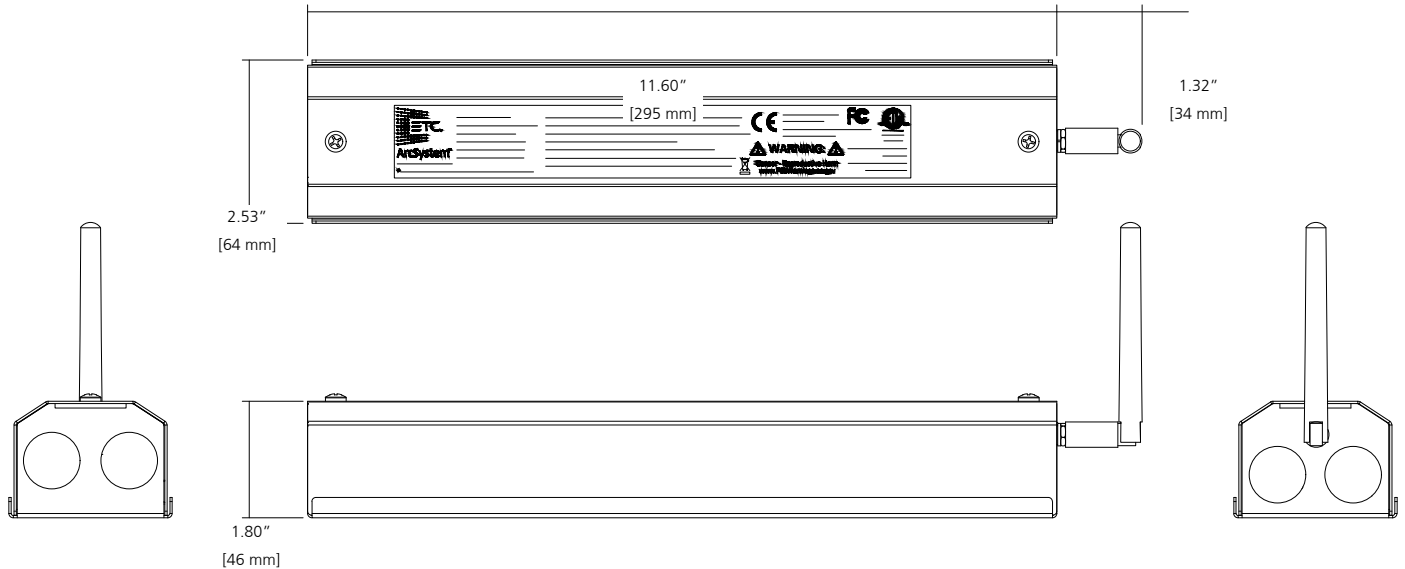
ARCSYSTEM D1 HIGH-OUTPUT DRIVER



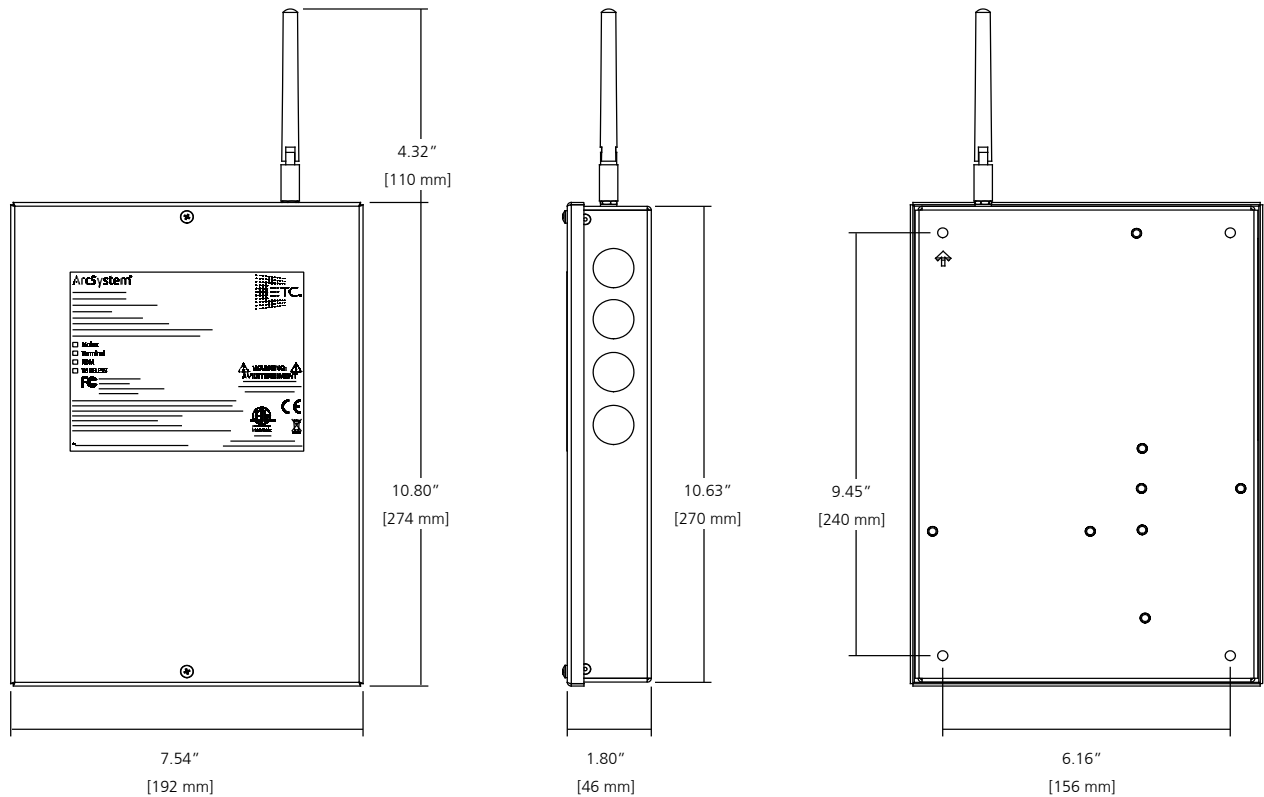
Note: Antennas not present in RDM only fixture model

PHYSICAL

ARC SYSTEM D2 DRIVER



ARC SYSTEM D4 CC DRIVER



Note: Antennas not present in RDM only fixture model



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