

# ALPINE RPS 3.5" New Construction and Remodel Housing A2RE, A3RE



## SPECIFICATIONS

<b>Construction:</b>	20 Gauge cold rolled steel
<b>Input:</b>	Class 2 low voltage, DC power. See table below
<b>Remote Power Supply:</b>	A2D20-BK, A2D40-BK. Reference compatible RPS specifications for further requirements
<b>Dimming:</b>	Refer to RPS specifications for protocol and compatibility
<b>Mounting:</b>	Retention clips firmly hold trim to housing
<b>Cut out:</b>	New Construction: 4 1/4", Remodel: 3 3/8" (Round) New Construction: 4 1/4" x 4 1/4", Remodel: 3 3/8" x 3 3/8" (Square)

Fixture Type:

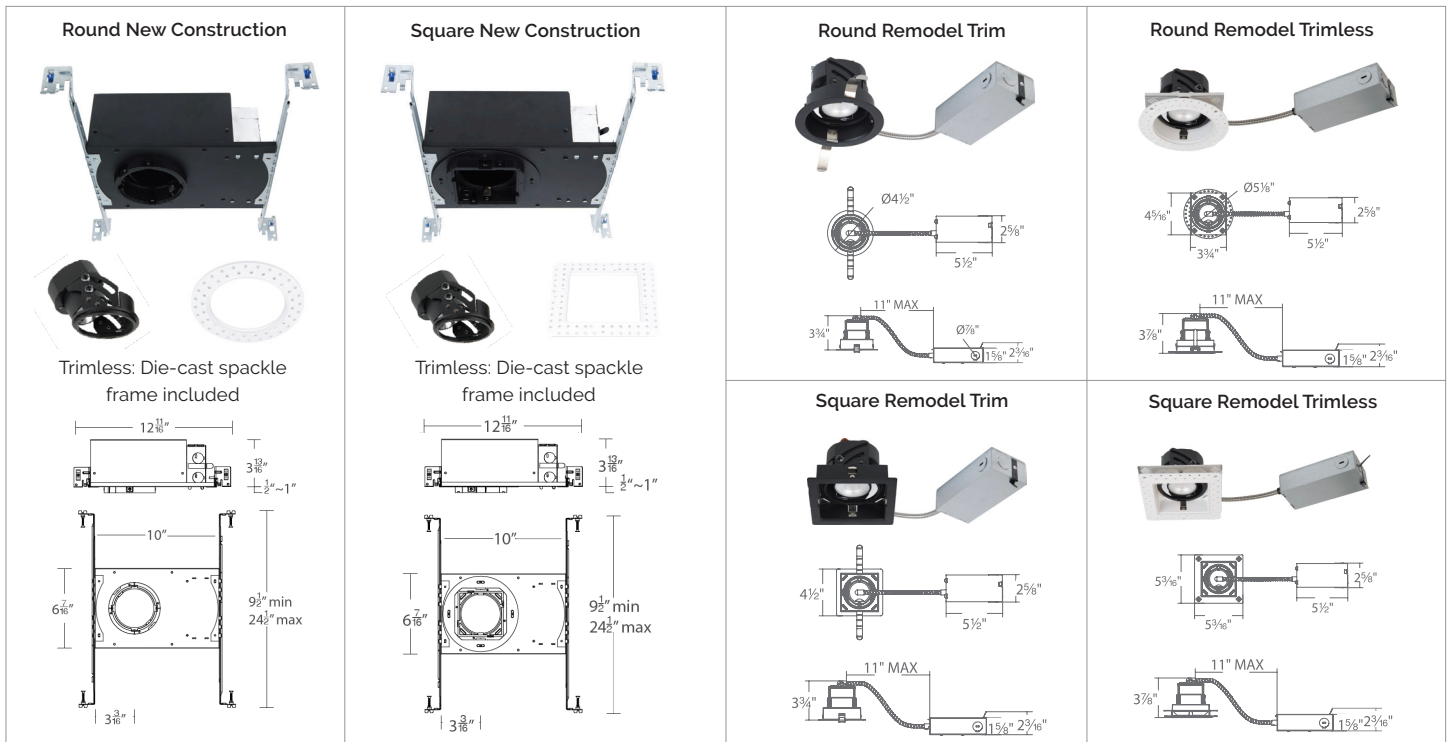
Catalog Number:

Project:

Location:

## SPECIFICATIONS (Continued)

<b>Ceiling Thickness:</b>	1/2" - 1"
<b>Standards:</b>	UL & cUL Listed
<b>Operating Temp:</b>	-4°F to 104°F (-20°C to 40°C)
<b>Warranty:</b>	5 year warranty



	Model		Rating	Forward Voltage	Maximum Drive Current	Power	Max # of Fixtures	Color Temp		CRI
Round	A2RE-248M	Round New Construction	IC Airtight	36VDC	300mA	10W	1 per Channel	27 30	2700K 3000K	90
	A2RE-346M	Round Remodel Trim	Non IC							
	A2RE-347M	Round Remodel Trimless	Non IC							
	A3RE-248M	Round New Construction	IC Airtight	18VDC	450mA	7.5W	2 per Channel*	27 30	2700K 3000K	
	A3RE-346M	Round Remodel Trim	Non IC							
	A3RE-347M	Round Remodel Trimless	Non IC							
Square	A2RE-258M	Square New Construction	IC Airtight	36VDC	300mA	10W	1 per Channel	27 30	2700K 3000K	90
	A2RE-356M	Square Remodel Trim	Non IC							
	A2RE-357M	Square Remodel Trimless	Non IC							
	A3RE-258M	Square New Construction	IC Airtight	18VDC	450mA	7.5W	2 per Channel	27 30	2700K 3000K	
	A3RE-356M	Square Remodel Trim	Non IC							
	A3RE-357M	Square Remodel Trimless	Non IC							

Example: A2RE-248M-27

\*Fixtures wired in Series

aispire.com  
Phone (800) 526.2588  
Fax (800) 526.2585

Headquarters/Eastern Distribution Center  
44 Harbor Park Drive  
Port Washington, NY 11050

Central Distribution Center  
1600 Distribution Ct  
Lithia Springs, GA 30122

Western Distribution Center  
1750 Archibald Avenue  
Ontario, CA 91760

# AiSPiRE Remote Power Supply (RPS)

## A2D LED DMX Power Unit



Model	# of channels	Finish
A2D20 2 x 75W Class 2 output DMX LED power unit	4	BK Black
A2D40 4 x 75W Class 2 output DMX LED power unit	8	BK Black

Example: A2D20-BK

### FINISHES



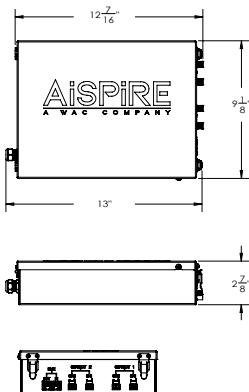
Black

### FEATURES

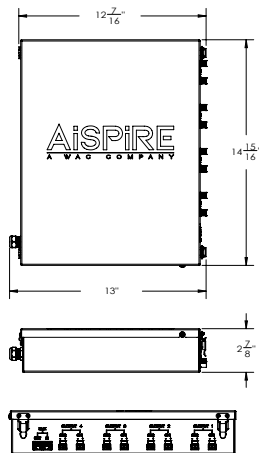
- 75W Max. Output Power (Per DMX Power Unit)
- 250mA-1500mA output current selection
- Class 2 power supply
- Built-in DMX512 interface
- IP20 rating
- UL Damp location listed

### LINE DRAWING

A2D20 - 4 Channel



A2D40 - 8 Channel



### INPUT

Voltage Range:	120VAC
Frequency Range:	50/60Hz
Power Factor:	0.99 @100VAC
THD:	<15% @full load
Current:	0.9A @100VAC
Standby Power Consumption:	<0.5w

### OUTPUT

LED Channels:	APD20-BK: 4 Channels APD40-BK: 8 Channels
Selectable Current:	250mA, 300mA, 350mA, 400mA, 450mA, 500mA, 600mA, 700mA, 800mA, 900mA, 1A, 1.1A, 1.2A, 1.3A, 1.4A, 1.5A
DC Voltage Range:	6-48VDC
Current Tolerance:	± 3%
Rated Power:	72W per channel 75W max (per 2-channel output)

### CONTROL

Control Protocol:	DMX 512-A, DMX 512
Dimming Range:	0%-100%
Control Input:	DMX RJ45
Dimming Curve:	Linear/Logarithm (Selectable)

### PROTECTION

Short Circuit, Over Voltage, Over Temp:	Recovers automatically after fault condition is removed
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### ENVIRONMENT

Ambient Operating Temp:	-4°F - 113°F (-20°C - 45°C)
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### SAFETY & EMC

- Safety Standard: UL, Damp Location
- EMC Emission: FCC Part 15 Class B
- Surge Immunity: Line-Line 1 kV

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