

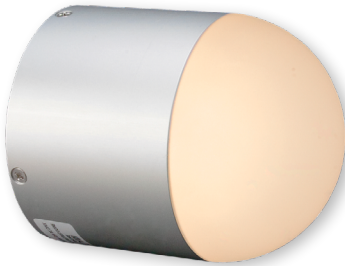
PROJECT

FIRM

ORDER #

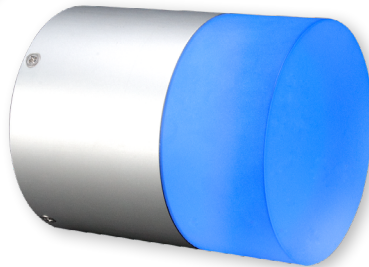
TYPE

QTY



Diffused dome

Diffused flat

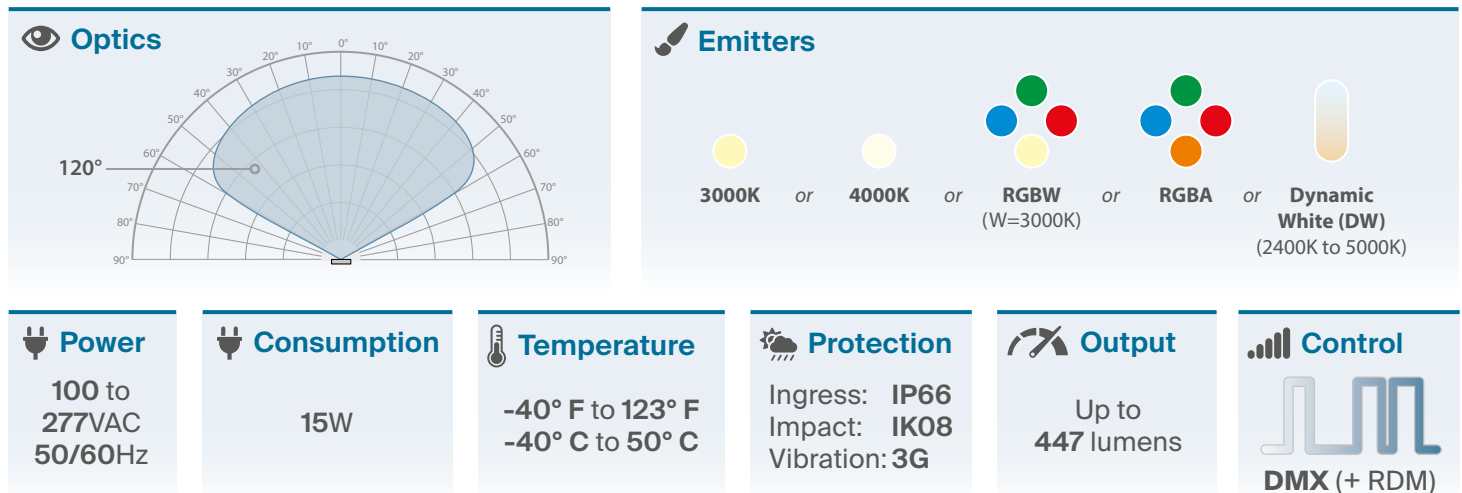


**AL Dot AC™** fixtures are great building blocks for creating low-resolution graphic displays or wherever individual dots of light are required. Each AL Dot AC is sized to fit flush directly onto a standard 4" electrical box and the all-aluminum construction is rated to IP66 for wet location use.

A wide choice of emitter types plus two diffused lens options allow you to achieve the right appearance for your project. DMX control (together with RDM) makes it simple to remotely configure every AL Dot AC in situ and to combine them with any industry-standard control solution.

Mains power is supported, from 100 to 277VAC and the maximum power draw is just 15W.

## At a glance



## Configure your product

**ADF - 2      -AA      N**

Example final code: **ADF-242-AALN**

### Housing color:

- 1 = Black\*
- 2 = White\*
- 4 = Silver/aluminum
- 7 = Custom\* (provide RAL #)

### Lens cover:

- 1 = Diffused dome
- 2 = Diffused flat

### Emitters:

- C = 3000K
- E = 4000K
- F = RGBA
- L = RGBW (W=3000K)
- M = Dynamic White (2400K-5000K)

\* Indicates special order item



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Specifications

Emitters	3000K, 4000K, RGBW (W=3000K), RGBA, Dynamic White (2400K-5000K)
Optics	120° native beam angle
Output	447 lumens (full on, RGBW)
Lumen maintenance	L <sub>70</sub> 150,000 hours (@ 25° C)
Control	0-100% dimming via wired DMX (with RDM configuration)
Maximum fixtures in series	32 units via DMX-512
Operating voltage	100-277VAC, 50/60Hz
Power consumption	15W
Connection	10' (3m) AC + DMX in and out feed cable with bare tails
Mounting	Direct mounting onto 4" round electrical box
Material	Aluminum body, acrylic lens
Finish	Finished aluminum, black (RAL 9005), white (RAL 9003) or custom colors (provide RAL #)
Ambient temperature range	-40° F to 123° F (-40° C to 50° C)
Ingress protection	IP66, wet location
Impact protection	IK08, protection against 5 joule impact (30cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Warranty	5 years, limited
Dimensions	See page 4
Weight	TBD
Certifications	  



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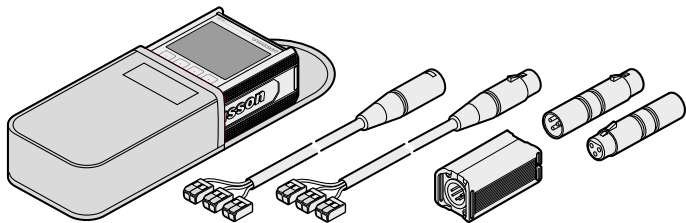
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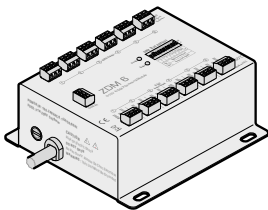
Related components

Test and configuration tool kit

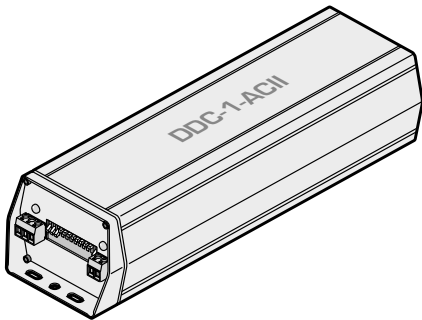


**XMT-500**  
DMX/RDM, ArtNet and sACN test/configuration tool with cable dongle, 3/5-pin converters, bare cable connectors and pouch

Signal protocol converters (see page 6)



0-10V multiple channel converter **ZDM 6**



DALI multiple channel converter **DDC 1AC**



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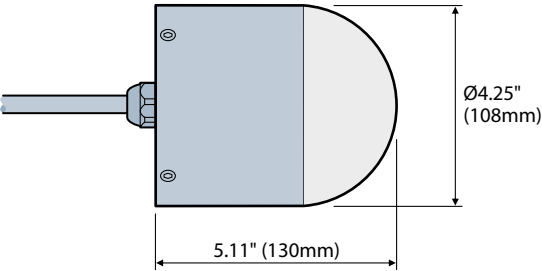
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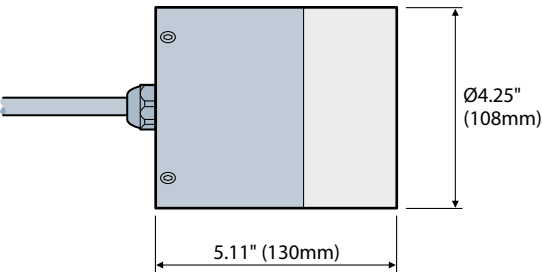
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Dimensions

Diffused domed model



Diffused flat model



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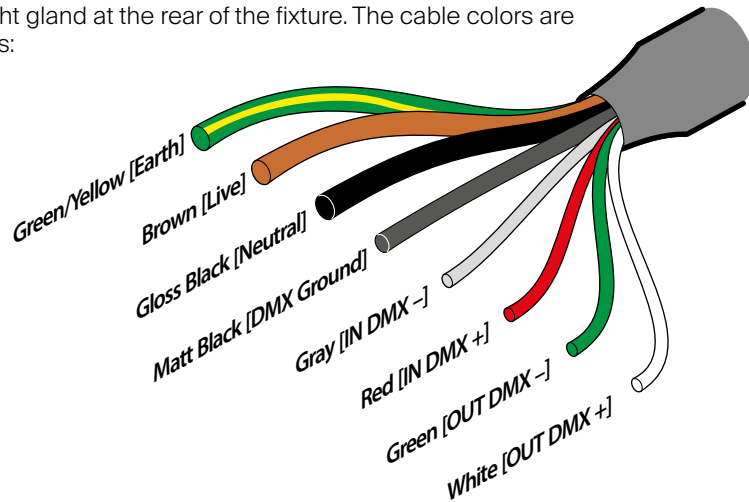
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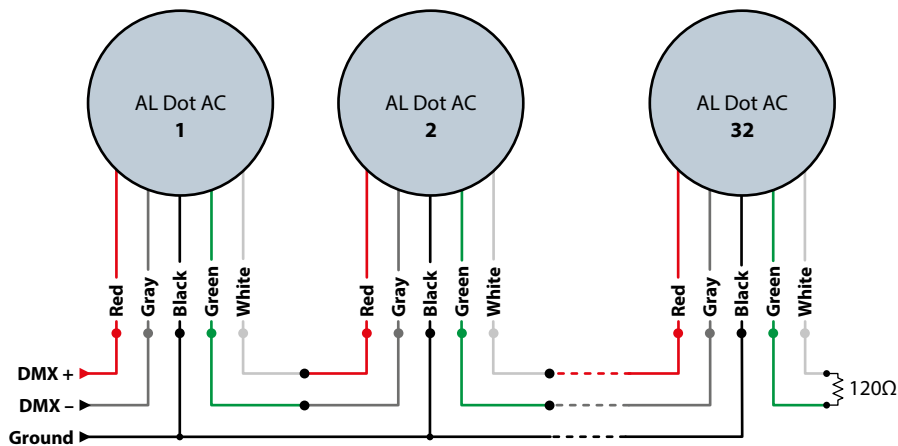
## AL Dot AC wiring

The combined power and control cord enters the casing via a water-tight gland at the rear of the fixture. The cable colors are as follows:



When connecting multiple fixtures, connect the DMX control input lines to the first fixture and feed the output of that fixture to the next.

The final fixture in the line should have a 120Ω terminating resistor connected between the DMX + and DMX - lines:



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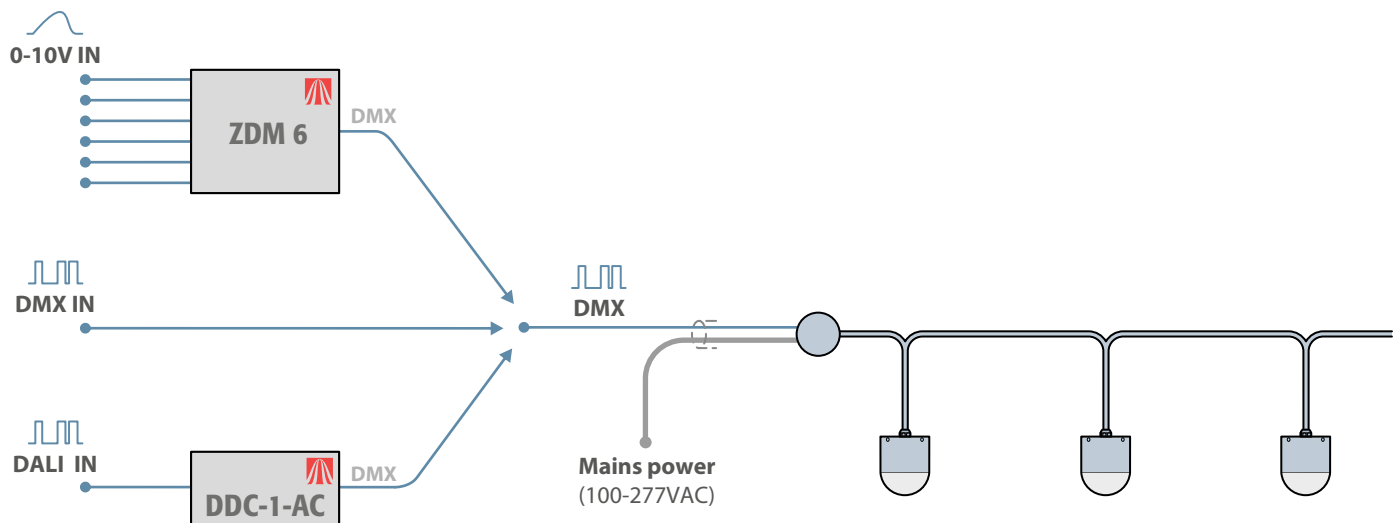
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## Alternative control inputs

AL Dot AC fixtures use DMX as their native control method, however, it is possible to use other common control protocols when required, such as 0-10V (source or sink) or DALI.

### Control inputs via converters

- DMX - connect a DMX input directly to the feed cable.
- 0-10V - use an Acclaim Lighting ZDM 6 to convert one or more analog control feeds into a combined DMX feed.
- DALI - use an Acclaim Lighting DDC-1-AC to convert one or more DALI channels into a combined DMX feed.



When using Acclaim Lighting ZDM 6 or DDC-1-AC modules it is possible to convert multiple inputs into separate DMX channels within a consolidated feed - thus allowing multiple AL Dot AC fixtures to be uniquely addressed. The ZDM 6 can convert up to six 0-10V inputs into DMX channels, whereas the DDC-1-AC can convert a maximum of 64 DALI channels (although large numbers of channels are not recommended due to the timing limitations of the DALI standard).

For full installation details, please refer to the **user guide**, available for free download here:

