

PROJECT _____ FIRM _____ ORDER # _____ TYPE _____ QTY _____



Don't let the small size of the **Dyna Accent Mini™** fixtures fool you; they punch above their weight and are not short of the quality features and construction you expect from Acclaim Lighting. Available with four white-only emitter options or three different choices of RGBW emitters, the output can be tailored to suit each location using optional spread lenses or snoots. Mounting options include a surface mount base, an attachment for 4" electrical boxes and even a landscape ground spike.

Supply needs are greatly simplified by the combined power and DMX control cable. Additionally, if you specify the Outdoor Link System option, each Dyna Accent Mini can be connected into an OLS-equipped installation within seconds (see page 10).

As well as wired DMX control, every Dyna Accent Mini fixture also benefits from built-in Aria wireless DMX capabilities to simplify installation even further. Configuration is achieved using RDM (via wired DMX) and all standard mains voltages are supported.

At a glance

<p>Optics</p> <ul style="list-style-type: none"> 7° x 7° white native 12° x 12° RGBW native 20° x 20° 40° x 40° 60° x 60° 10° x 60° 	<p>Wireless linking</p> <p>DMX →</p>	<p>Emitters</p> <p>White (2700K, 3000K, 3500K or 4000K) or RGBW (W=3000K, 4000K or 6000K)</p>		
<p>Power</p> <p>100 to 277VAC 50/60Hz</p>	<p>Temperature</p> <p>-40° F to 122° F -40° C to 50° C</p>	<p>Protection</p> <p>Ingress: IP66 Impact: IK07 Vibration: 3G</p>	<p>Control</p> <p>DMX (+RDM)</p>	<p>Core technologies</p> <p>SpectrumFour technology OutdoorLink system aria wireless</p>

Configure your product

DMA-2

1-

P

Example final code: **DMA-241-LACP**

Finish:
1 = Black¹
2 = White¹
4 = Gray
7 = Custom¹

Cable system:
A = 5' (1.5m) standard bare wires
L = 5' (1.5m) Outdoor Link System²

Optics:
A = 7° (white emitters)
C = 12° (RGBW emitters)

Emitters:
A = 2700K¹
C = 3000K¹
D = 3500K¹
E = 4000K¹
H = QW6 (RGBW, W=6000K)
I = QW4 (RGBW, W=4000K)
L = QS (RGBW, W=3000K)

¹ Special order item
² Requires extra components - see page 10



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Specifications

Emitters	2700K, 3000K, 3500K, 4000K, QS (W=3000K), QW4 (W=4000K) or QW6 (W=6000K)
Optics	7° native (white) or 12° native (color). Spread lens options: 20°, 40°, 60°, 10° x 60°
Output	Up to 760 lumens (58 lm/W), 30,865 center candela - <i>see below</i>
Lumen maintenance	L ₇₀ 150,000 hours (@ 25° C)
Control	0-100% dimming via wired DMX (with RDM configuration) or DMX via built-in Aria wireless
Maximum fixtures in series	32 via DMX (with power connections local to each fixture)
Operating voltage	100-277VAC, 50/60Hz
Power consumption	13W
Connection	Attached 5' (1.5m) hybrid IP66 cable (AWM 21388). Combined AC power and DMX/RDM Optional Outdoor Link System enables rapid power and control attachment - <i>see page 10</i>
Mounting	Directly compatible with ½" NPT pipe (O.D.=0.855"). Mount options also include: Ground spike, direct surface mount base, 4" round electrical box plate and extender arms
Effective projected area	0.56 ft ²
Material	Die cast aluminum, glass top lens, optional marine coating available
Finish	Gray standard (RAL 7047), black (RAL 9005), white (RAL 9003) and custom colors optional
Ambient temperature range	-40° F to 122° F (-40° C to 50° C)
Ingress protection	IP66, wet location
Impact protection	IK07, protection against 2 joule impact (40cm distance)
Vibration protection	ANSI C136.31, 3G-rated for high vibration and bridge applications
Warranty	5 years, limited
Weight	2.87 lbs (1.3kg)
Dimensions	<i>See page 7</i>

Certifications





Photometrics

For all available IES files, please visit acclaimlighting.com/dyna-accent-mini

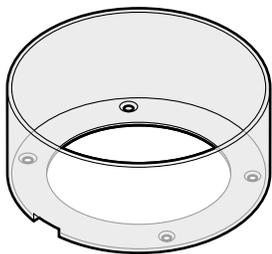
Emitters and optics	Lumens	Max Candela	Efficacy (lm/W)	CRI (Ra)	TM30
2700K (7°)	642	21,910	49.3	80	81.9
3000K (7°)	757	23,911	58.2	80.4	80.7
3500K (7°)	735	26,645	56.5	80	80.2
4000K (7°)	760	30,865	58.4	80.4	80.8
QS (12°)	303	5,514	23.3	-	-

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Related components

Beam shaping accessories

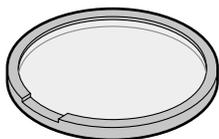
Full snoots



Gray **DMAFS**
 Black **DMAFS-B**
 White **DMAFS-W**
 Custom* **DMAFS-C**

*RAL # also required

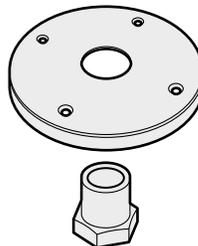
Spread lenses



20° **DMASL20**
 40° **DMASL40**
 60° **DMASL60**
 10° x 60° **DMASL1060**

Mounting accessories

Base plates (plus hollow lock nut)



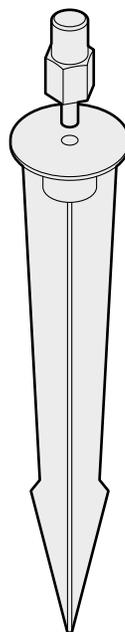
For use with 4" round electrical box

Gray **DMAEBM**
 Black **DMAEBM-B**
 White **DMAEBM-W**
 Custom* **DMAEBM-C**

For direct surface mounting

Gray **DMADSM**
 Black **DMADSM-B**
 White **DMADSM-W**
 Custom* **DMADSM-C**

Ground spike (plus threaded joiner)



Gray **DMASTM**
 Black **DMASTM-B**
 White **DMASTM-W**
 Custom* **DMASTM-C**

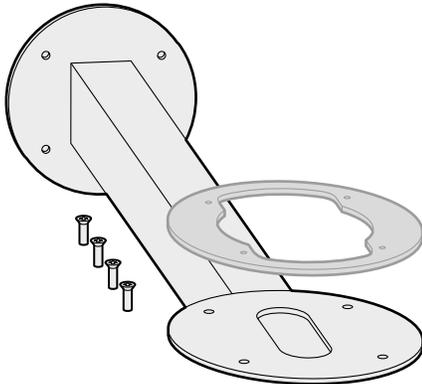


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Related components

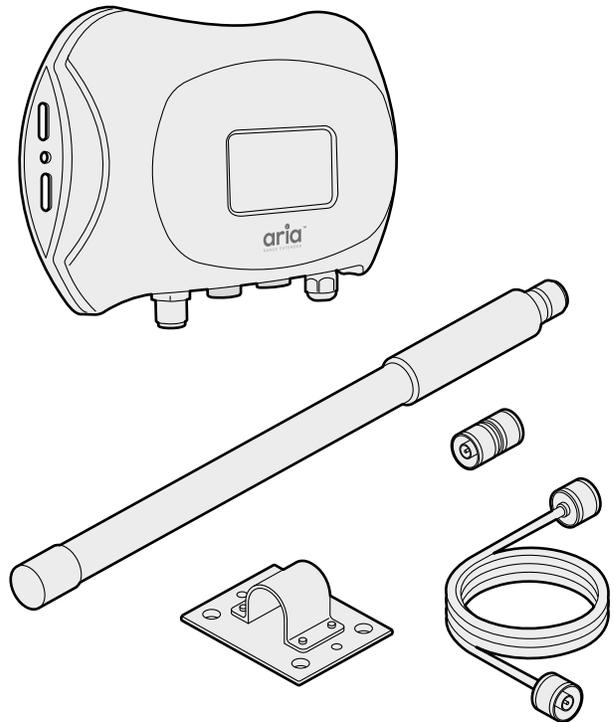
Mounting accessories (continued)

Extender arms



6" (15cm)	Gray Black White Custom*	DYNAHEB6 DYNAHEB6-B DYNAHEB6-W DYNAHEB6-C
12" (30cm)	Gray Black White Custom*	DYNAHEB12 DYNAHEB12-B DYNAHEB12-W DYNAHEB12-C
18" (45cm)	Gray Black White Custom*	DYNAHEB18 DYNAHEB18-B DYNAHEB18-W DYNAHEB18-C
36" (91cm)	Gray Black White Custom*	DYNAHEB36 DYNAHEB36-B DYNAHEB36-W DYNAHEB36-C

Wireless DMX transceiver



Wireless transceiver with antenna, cable, adapter and antenna bracket

ARIA WDS

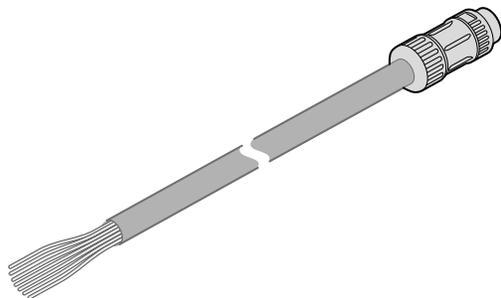


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Related components

Outdoor Linking System - See also page 10

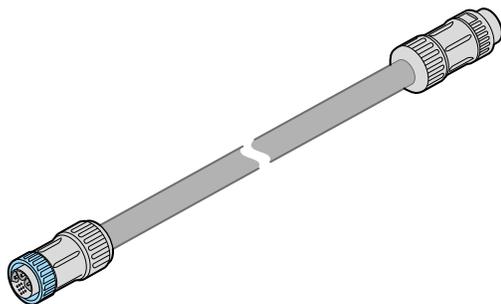
Feed cables



- 1' (30cm) **OLSF1#-V2**
- 5' (1.5m) **OLSF5#-V2**
- 10' (3m) **OLSF10#-V2**
- 25' (7.6m) **OLSF25#-V2**
- 50' (15.2m) **OLSF50#-V2**

= color: G-Gray, B-Black, W-White, C-Custom (RAL# required)

Link cables



- 1' (30cm) **OLSL1#-V2**
- 5' (1.5m) **OLSL5#-V2**
- 10' (3m) **OLSL10#-V2**
- 25' (7.6m) **OLSL25#-V2**
- 50' (15.2m) **OLSL50#-V2**

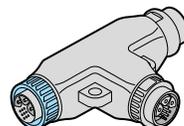
= color: G-Gray, B-Black, W-White, C-Custom (RAL# required)

End cap with DMX termination



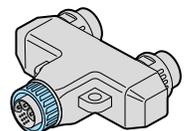
- | | | |
|-------|----------------------------------|----------------|
| Part# | OLSEC-B
OLSEC-W | Black
White |
|-------|----------------------------------|----------------|

T-junction



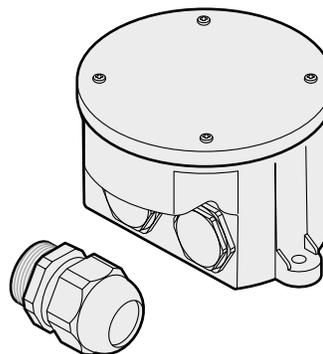
- | | | |
|-------|----------------------------------|----------------|
| Part# | OLST2-B
OLST2-W | Black
White |
|-------|----------------------------------|----------------|

Y-junction



- | | | |
|-------|----------------------------------|----------------|
| Part# | OLSY2-B
OLSY2-W | Black
White |
|-------|----------------------------------|----------------|

IP66 junction box (plus outlet cable gland)



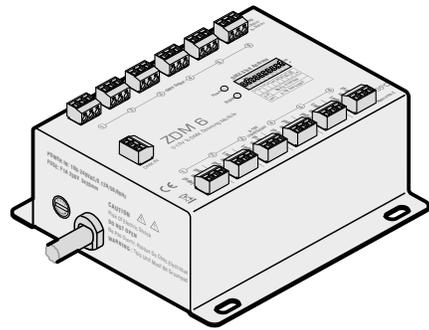
- | | |
|--------|---------------|
| Part # | AJBOX1 |
|--------|---------------|
- IP66 NEC compliant high+low voltage junction box
 1/2" conduit inputs for AC + DMX, 3/4" conduit for OLSF#
 Built-in AC surge protection up to 10kV & 10kA



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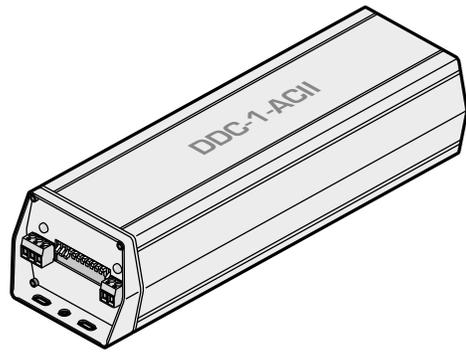
Related components

Signal converters (see page 12)



Multi-channel (0-10V) converter

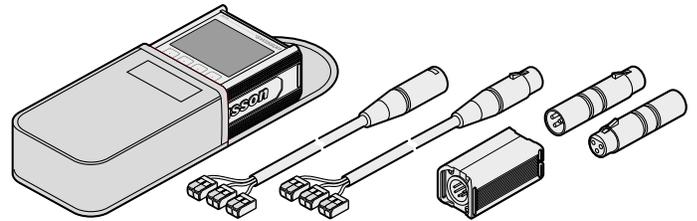
ZDM6



DALI multiple channel converter

DDC1AC

Test and configuration tool kit



XMT-500

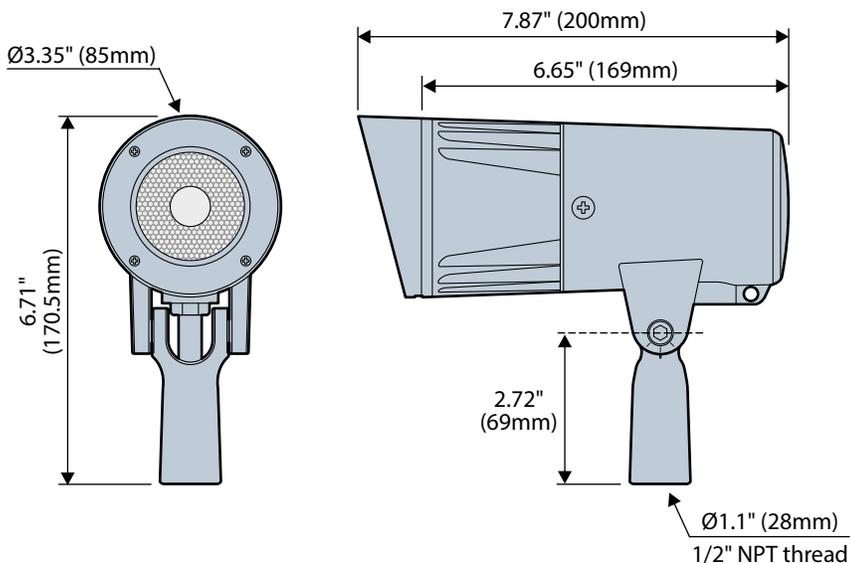
DMX/RDM, ArtNet and sACN test/configuration tool with cable dongle, 3/5-pin converters, bare cable connectors and pouch



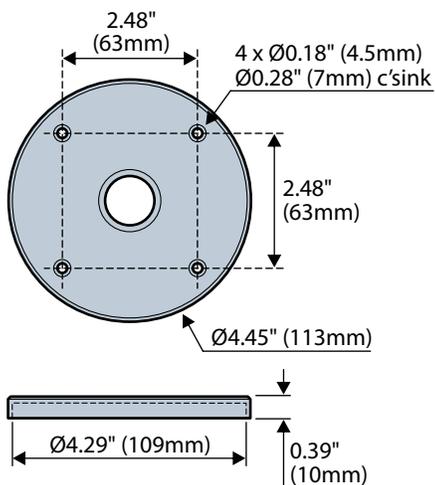
PROJECT _____ FIRM _____ ORDER # _____ TYPE _____ QTY _____

Dimensions

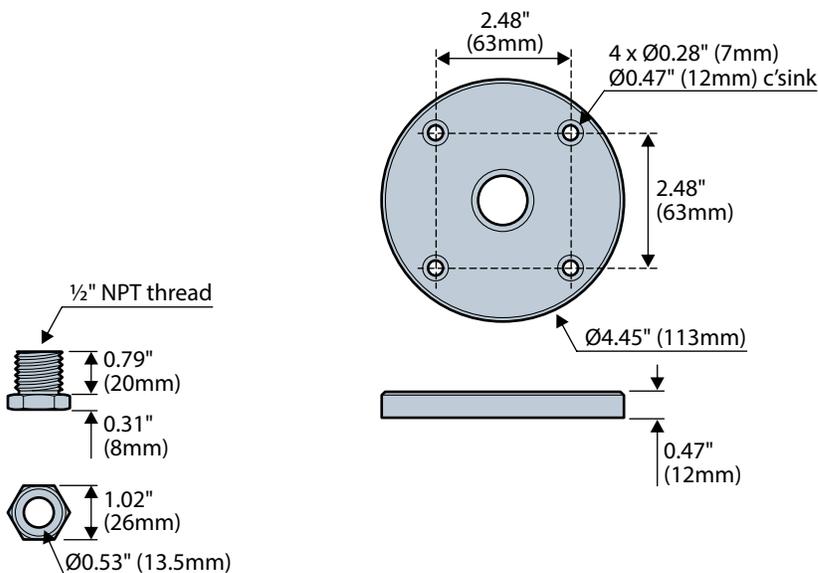
Dyna Accent Mini



Base plate (for 4" electrical box)



Base plate (for surface mounting)



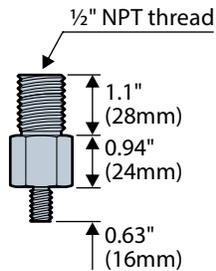
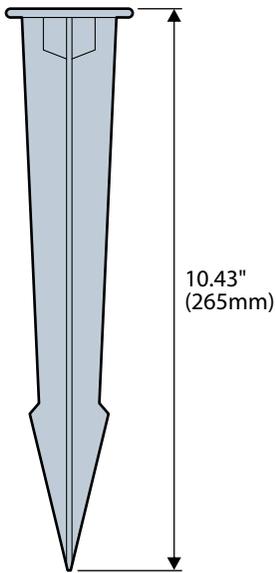
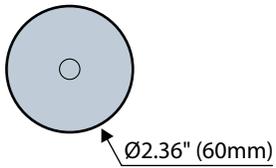
Hollow lock nut for base plates



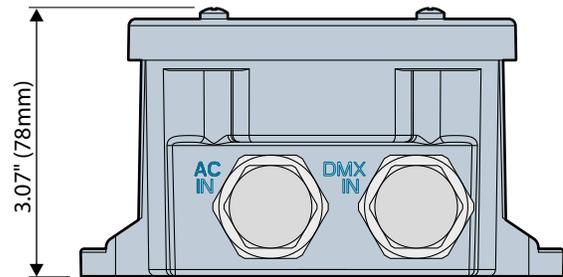
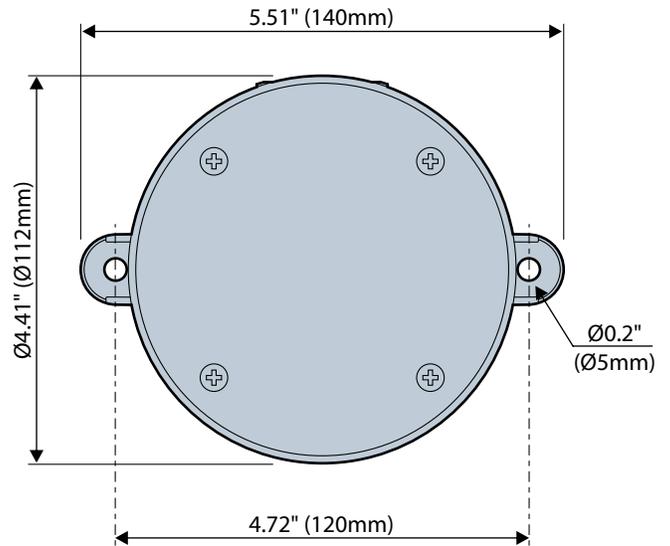
PROJECT FIRM ORDER # TYPE QTY

Dimensions

Ground spike and joiner

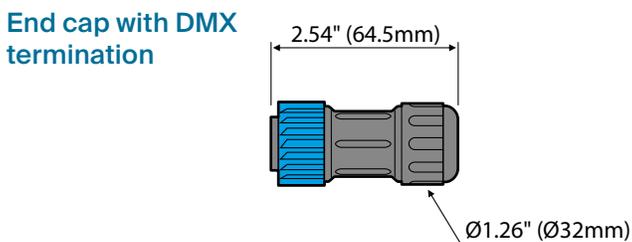
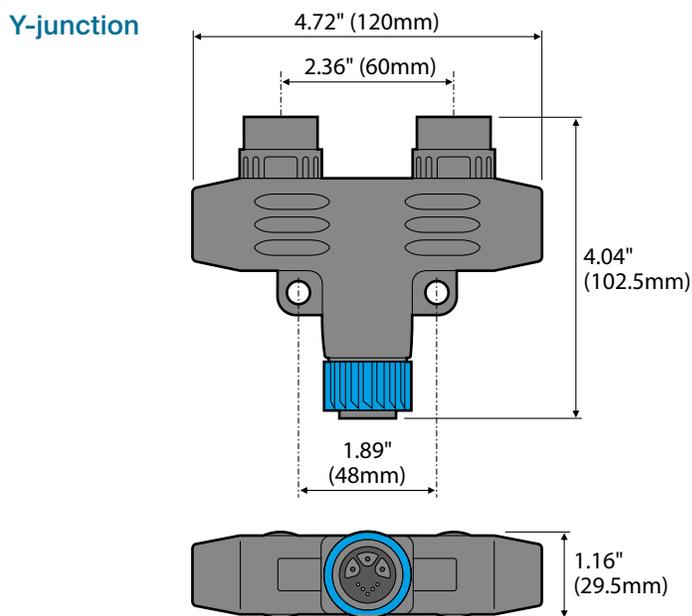
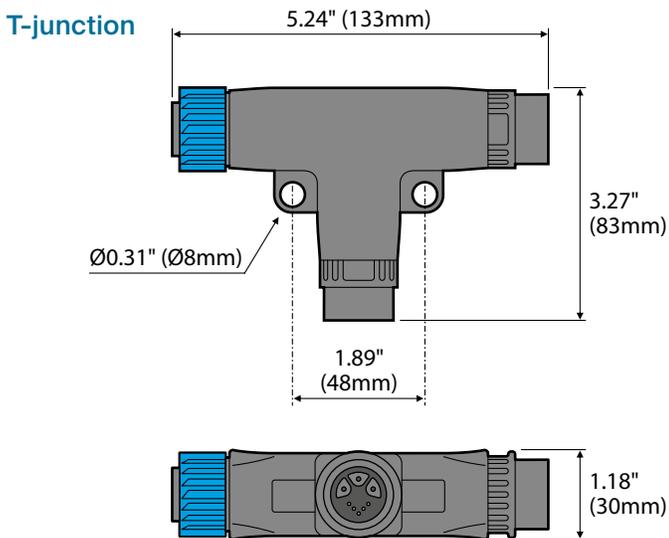
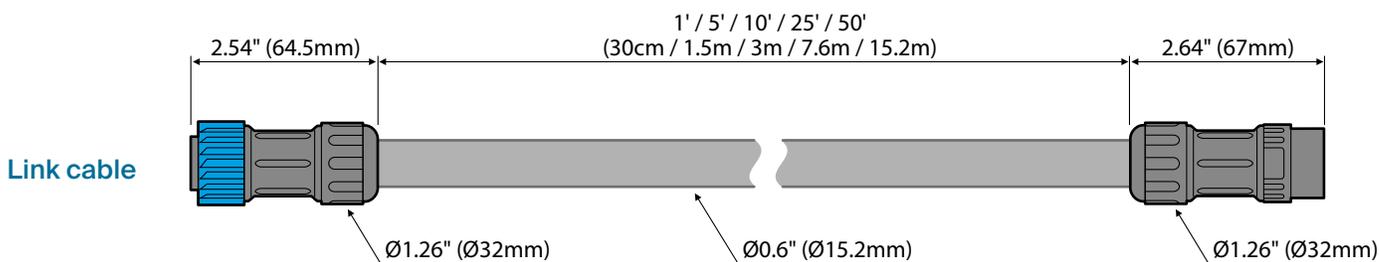
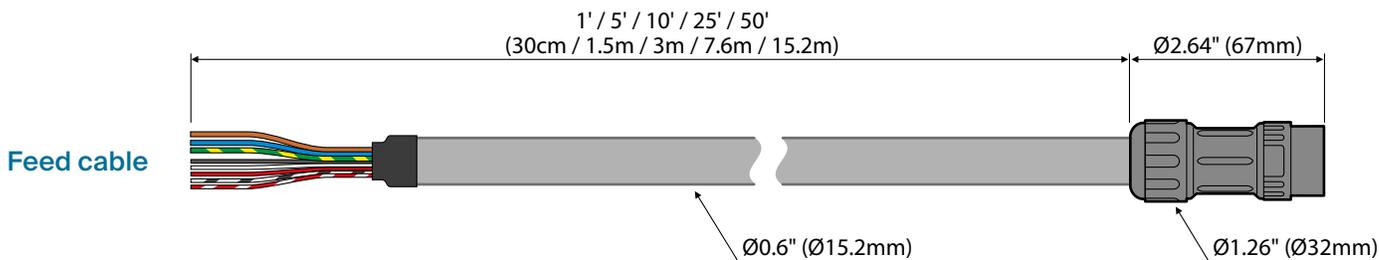


AJBOX1



PROJECT FIRM ORDER # TYPE QTY

Dimensions

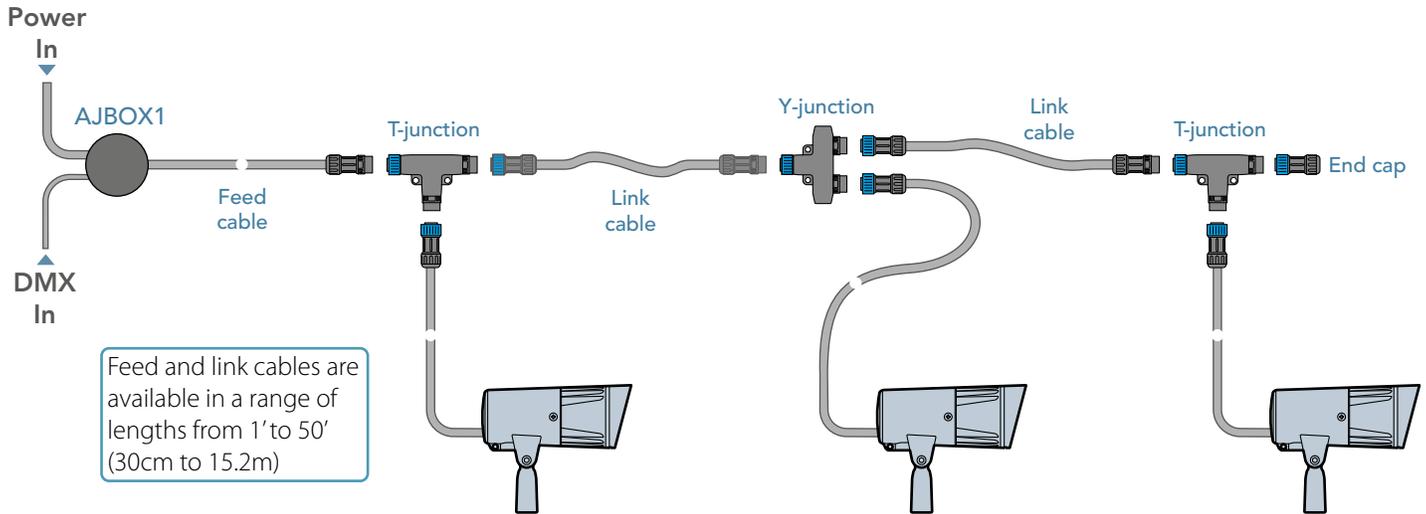


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Acclaim Lighting Outdoor Link System (OLS)



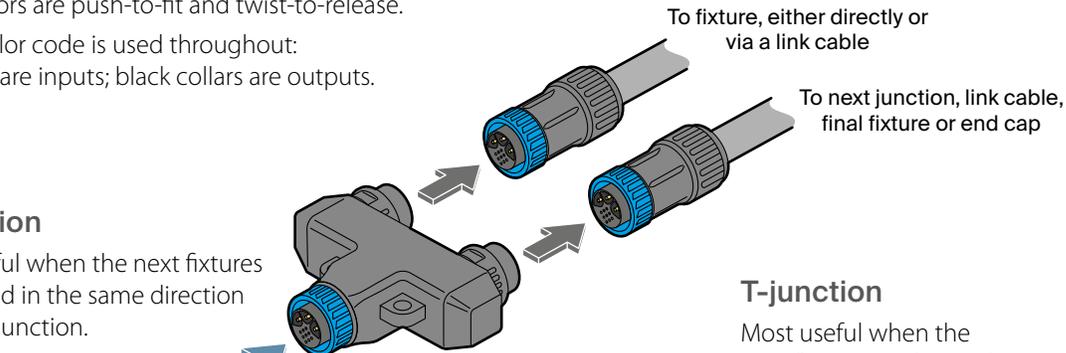
The Outdoor Link System (OLS) from Acclaim Lighting greatly simplifies the task of distributing power and control to multiple fixtures. OLS-equipped fixtures can be added to, and removed from an installation in a fraction of the usual time.



- Robust IP67-rated hybrid connectors are used throughout, each of which combines AC power and DMX control.
- All connectors are push-to-fit and twist-to-release.
- A simple color code is used throughout: Blue collars are inputs; black collars are outputs.

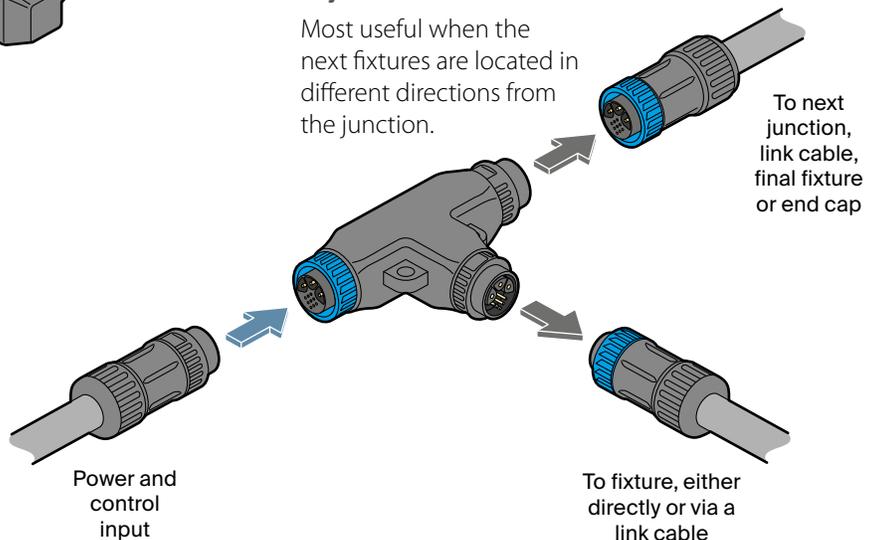
Y-junction

Most useful when the next fixtures are located in the same direction from the junction.



T-junction

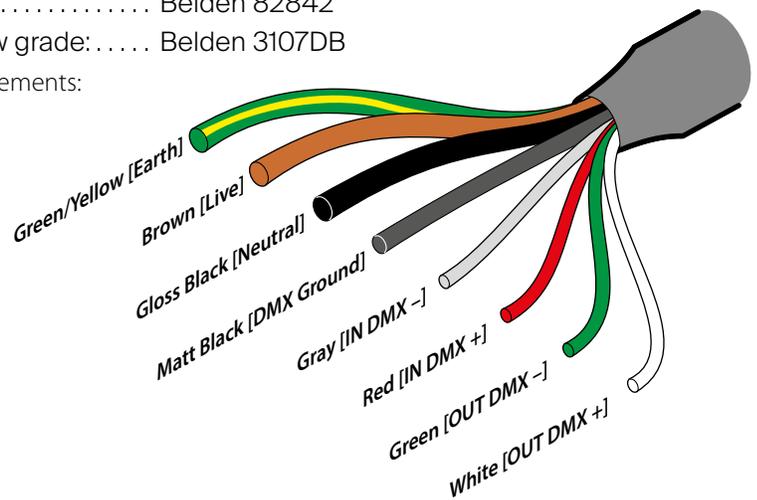
Most useful when the next fixtures are located in different directions from the junction.



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Important cabling considerations

- Wherever possible, cable runs should be positioned to make them beyond normal reach within any installation.
- For long cable runs, external runs and in areas where public contact and/or accidental damage is possible, the cabling should be contained within protective conduit. Minimum spec: Schedule 40, 1.5" (ID: Ø1.61", OD: Ø1.74").
- Additional power cabling: Where power feeds require extra cabling, the power cores should be 14 AWG minimum.
- Additional DMX control cabling: For initial control runs, these are recommended:
 - Indoor exposed or inside conduit above grade: Belden 9842
 - Indoor plenum: Belden 82842
 - Outdoor exposed, direct burial, or inside conduit below grade: Belden 3107DB
- Suitable alternative cables must meet all of the following requirements:
 - Construction: Shielded, twisted pair (or multi-pair).
 - Impedance: Between 90 and 120Ω.
 - Capacitance: 15pF or less.
- Please consult and adhere to all relevant local codes.

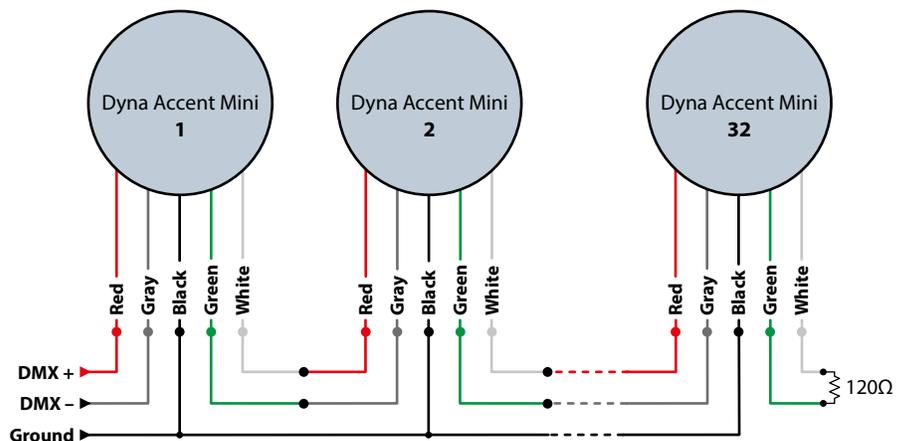


OutdoorLink
system

See page 10 for details about the Acclaim Lighting **Outdoor Link System**

CONTROL

When connecting multiple fixtures, without the Outdoor Linking System options, 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:



TIPS FOR ACHIEVING SUCCESSFUL DMX CONTROL

- Do not exceed a total cable length of 1,500 ft (457m) without buffering.
- Do not exceed a total of 32 fixtures on a single line without buffering.
- Use only connection cables with a characteristic impedance of 120Ω, preferably where the DMX + and DMX - data lines are twisted around each other and the ground link exists as a coaxial screen surrounding the inner cores.
- Connect a 120Ω terminating resistor between the DMX + and DMX - output connections of the final fixture.
- Do not introduce a passive Y-split into the control cabling. If it is necessary to split the control link in order feed fixtures located in different directions, use a powered DMX splitter/buffer.
- Ensure that the DMX + and DMX - connections do not become crossed at any point.

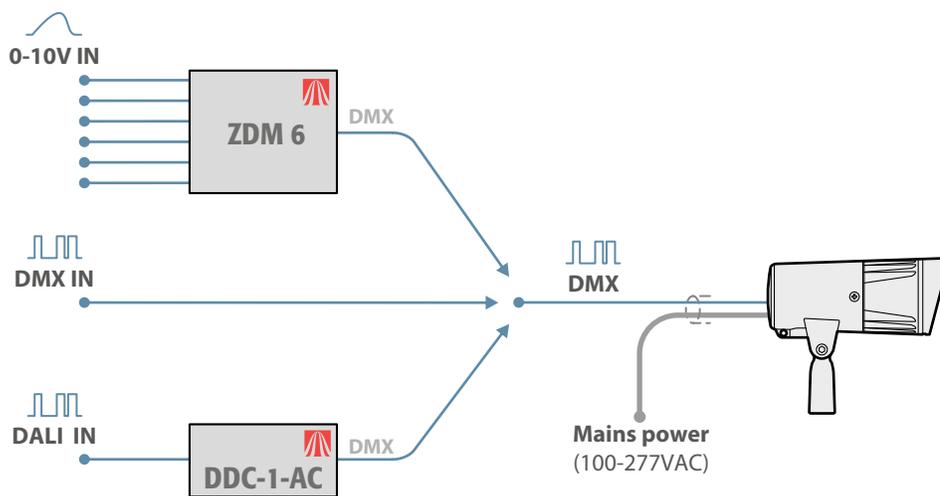
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Alternative control inputs

Dyna Accent Mini 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

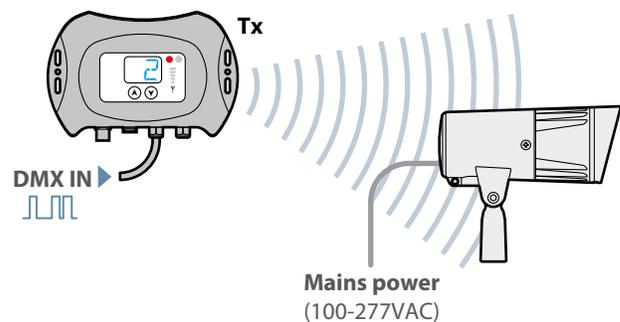
- DMX - connect a DMX input directly to the feed cable.
- 0-10V - use an Acclaim Lighting ZDM 6 to convert one or more analog control feeds into a combined DMX feed.
- DALI - use an Acclaim Lighting DDC-1-AC to convert one or more DALI channels into a combined DMX feed.



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. 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).

Wireless DMX control

Each Dyna Accent Mini fixture contains an Aria wireless DMX receiver as standard, which can greatly simplify the deployment of multiple fixtures in spaces that contain no control wiring infrastructure. A single Aria transmitter can control many Dyna Accent Mini fixtures, at distances up to 2600 feet (792m).



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

