Acclaim™

OutdoorLink system

aria wireless

Dyna Accent Mini™

Contents

Introduction

Welcome

Welcome to the Dyna Accent Mini range from Acclaim Lighting. These compact rugged LED-powered fixtures are designed to replace traditional external spot/flood lights while using a fraction of the power. Featuring a die-cast aluminum body throughout with full IP66 environmental rating, these fixtures are built to last. A choice of standard gray, black or white finishes plus special-order custom colors are available.

The Dyna Accent Mini range consists of two main variants:

- Fixed white - 2700K, 3000K, 3500K or 4000K emitters, or
- RGBW - Red, green, blue and white (3000K, 4000K or 6000K) LED emitters.

External control using the industry standard DMX-512A is supported via either cable or the in-built Aria™ wireless receiver. The industry standard RDM *(Remote Device Management)* format is used for configuration. Dyna Accent Mini can be mounted in a variety of ways using optional mounting kits.

The internal auto-sensing power supply can accept mains inputs between 100 and 277VAC at 50 or 60Hz. Total power consumption is just 13W.

Optional spread lenses and snoots are available.

All models can be specified with Outdoor Link System connectors pre-fitted instead of bare tails. OLS greatly simplifies the task of distributing power and control to multiple fixtures (see pages 15 and 16).

OutdoorLink system

Safety

- When fixtures are mounted off-ground, ensure they are securely fitted to an appropriate mounting surface.
- Ensure that the power input is supplied from a correctly fused, earthed and environmentally protected location.

Maintenance

CAUTION: Always isolate mains power before starting maintenance operations.

- Ensure that all mounting (and device) screws/bolts are fully tight and free of corrosion.
- Ensure there is no deformation to the housing, lenses or fixing points.
- Check that all power supply cables are free from physical damage or material fatigue.
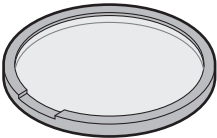- Use only genuine spare parts supplied by Acclaim Lighting.

Cleaning

- Use a moist, lint-free cloth when cleaning each fixture.
- Never use alcohol or solvents.

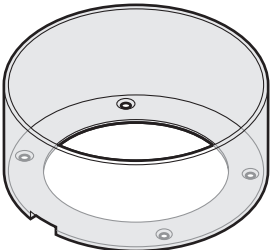www.acclaimlighting.com   Acclaim™

Supplied items
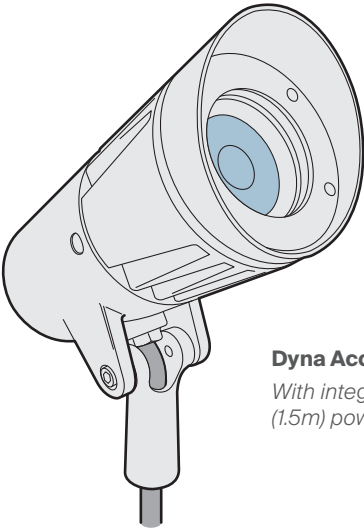
Dyna Accent Mini

With integral front hood and 5 foot (1.5m) power/control tails.
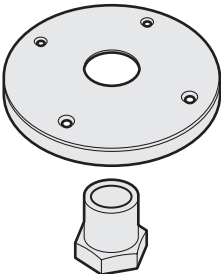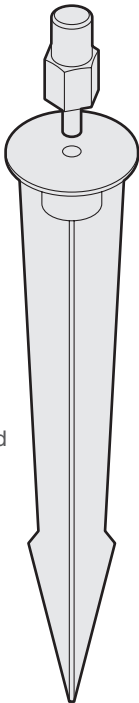
Optional extras

Spread lens

20°, 40°, 60° and 10° x 60° available
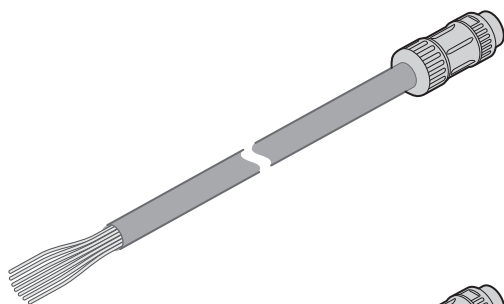

1.5" (40mm) Snoot

Base plates

2 versions available, for use either with 4" electrical boxes, or for direct surface mounting

Ground spike (with threaded joiner)

Outdoor Linking System part codes

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)
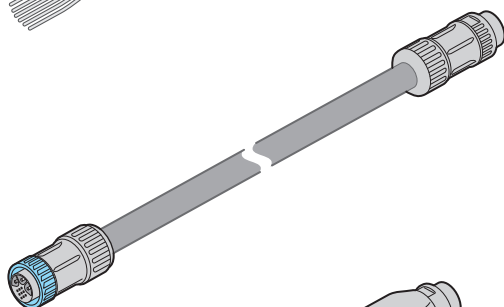
Link cables

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)
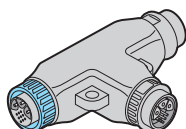
T-junction

OLST2-B	Black
OLST2-W	White
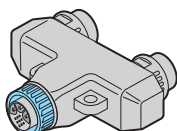
Y-junction

OLSY2-B	Black
OLSY2-W	White
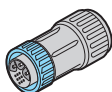
End cap with DMX termination

OLSEC-B	Black
OLSEC-W	White
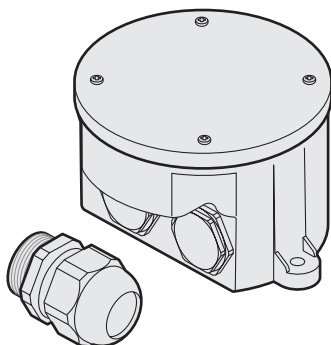
IP66 junction box plus outlet cable gland

See page 14

AJBOX1

Acclaim™

Installation

Tilt adjustment

The Dyna Accent Mini fixture uses two bolts to adjust and lock off its tilt angle. A 3/16" (5mm) Allen wrench (hex key) is required for adjusting the tilt angle.

Tilt adjustment bolt

3/16"(5mm)
Allen wrench
(not supplied)
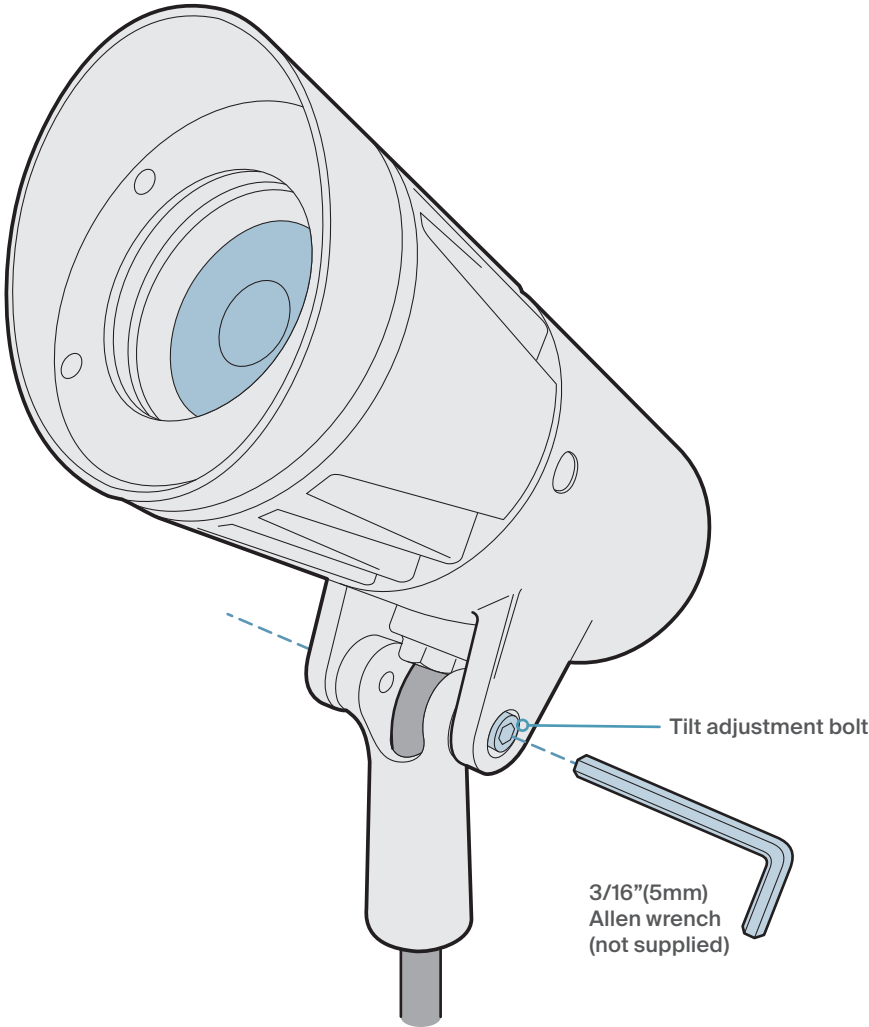
The tilt angle of the Dyna Accent Mini head is adjustable through a range of nearly 180 degrees. See next page.

Tilt range

The head of the Dyna Accent Mini can be rotated through almost 180 degrees, although the downward tilt limit is restricted slightly when used with either of the base plate options.
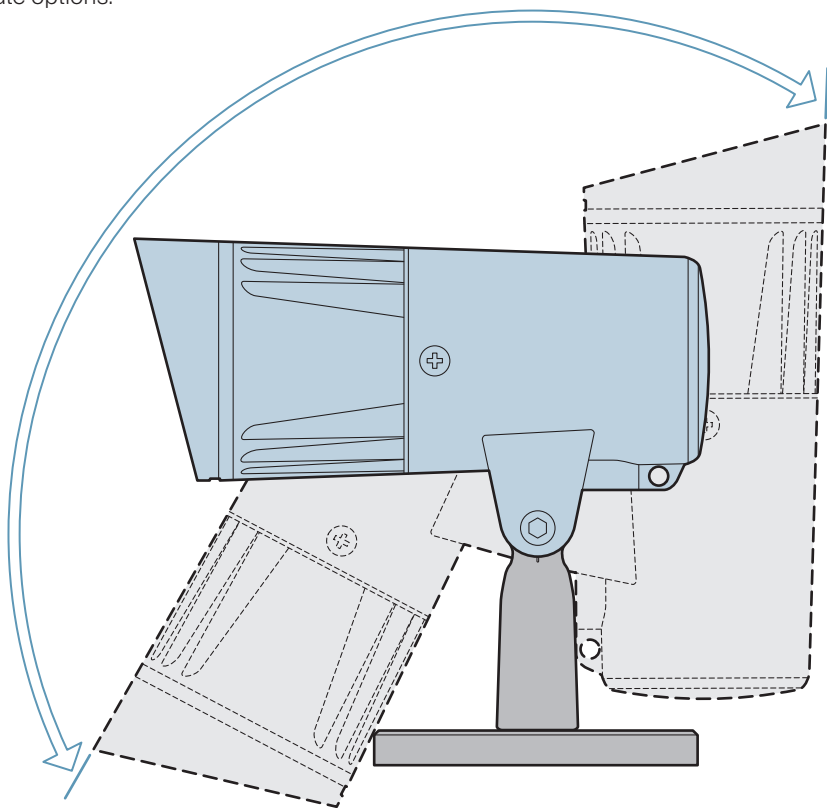
Note: If the cable is to be run externally to the pillar, for instance when using a ground spike, take care to guard against cable pinching. See "To remove the cable from the pillar" on page 7.

Acclaim™

Fitting a ground spike

The optional ground spike kit provides extra flexibility for landscape illumination projects. When the Dyna Accent Mini is used with the ground spike, the cable must first be removed from within the pillar.

To remove the cable from the pillar

Note: This procedure must be carried out before any power or control connections are made.

1 Use a 3/16" (5mm) Allen wrench (hex key) to remove the two bolts which secure the fixture body to the pillar.

2 Slide the pillar down the cable and detach it completely:

3 Before re-attaching the pillar, consider how the Dyna Accent Mini will be tilted once it is installed. To avoid any pinching of the cable by the yoke (located at the top of the pillar), arrange the cable to exit either from the front or from the rear of the pillar:
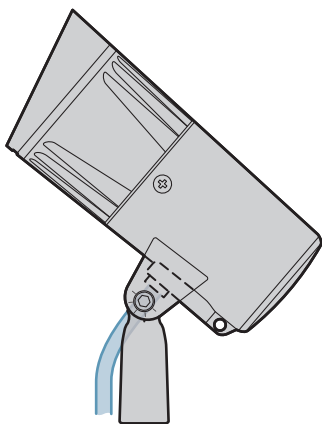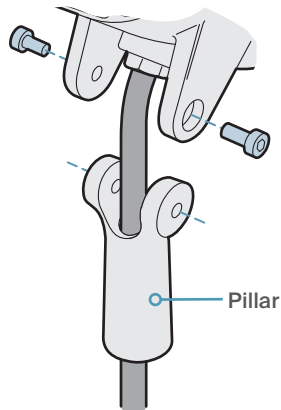
Pillar

If the fixture will be tilted up, arrange the cable so that it exits at the front of the pillar.
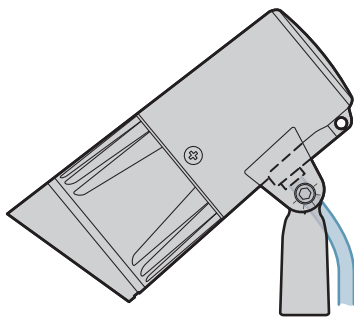
If the fixture will be tilted down, arrange the cable so that it exits at the rear of the pillar.

4 With the cable arranged to the appropriate side of the pillar, align the yoke with the fixture's mounting holes and re-insert the two bolts removed earlier.
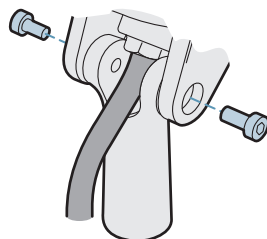
Note: The pillar has a standard internal ½" NPT pipe thread.

To fit the ground spike

Note: This procedure can be carried out in any order (apart from step 1), however, if you attach the fixture to the spike once it is in the ground, the actions of attachment could loosen the spike's grounding, particularly in soft soil. However, in hard soils it may be necessary to first drive the spike into the ground using a mallet and a suitable piece of wood as a drift (to protect the top of the spike).

1 Remove the cable from within the pillar, as discussed on the previous page.

2 Screw the threaded *Joiner* into the base of the fixture's pillar and tighten using a 15/16" (24mm) wrench:
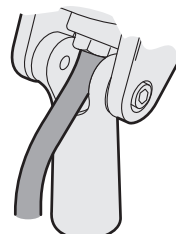
3 Screw the small thread of the joiner into the top of the ground spike and use the same wrench to tighten it in place.

4 Push the spike into the ground. If necessary, use a piece of wood, each side of the joiner, to apply suitable downward pressure directly to the top surface of the spike. Do not push down hard on the fixture itself.

Threaded joiner

Ground spike
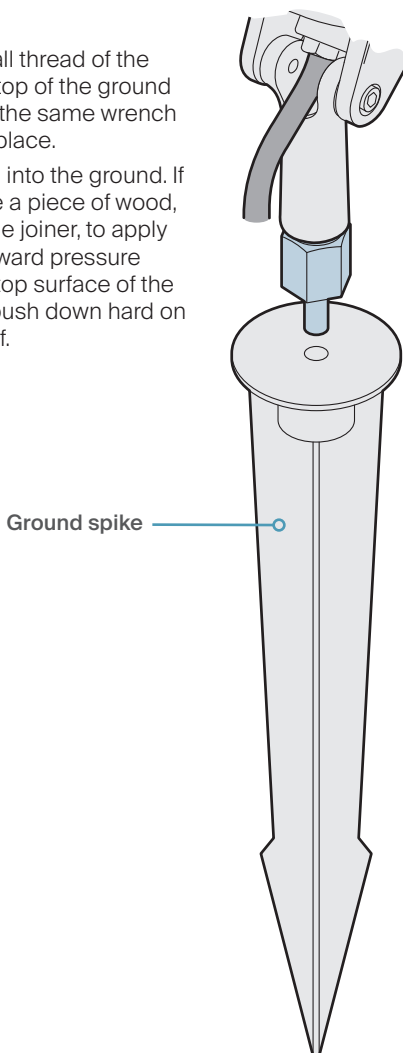
Fitting a base plate

Two types of base plate are available, both have an outside diameter of 4.45" (113mm); one is solid, for direct surface mounting, while the other is hollow for use on standard 4" round electrical outlet boxes. Both base plate types are attached to the Dyna Accent Mini fixture in the same way. See "Dimensions" on page 25. *Note: The pillar has a standard internal ½" NPT pipe thread.*

To fit a base plate

1 First determine whether the cable will run down through the pillar and through the base plate, or will run externally. If the cable is to run externally, see "To remove the cable from the pillar" on page 7. *Note: When using the Outdoor Linking System option, it will not be possible to thread the cord through the pillar due to the pre-fitted OLS connector.*

2 If the cable is run down inside the pillar, thread the cable through the center hole of the plate and also through the large *Lock nut*.

3 Bring the lock nut up through the center hole of the base plate and insert it into the internal thread of the pillar. Tighten using a 1" (26mm) wrench.

Pillar

Base plate

Lock nut
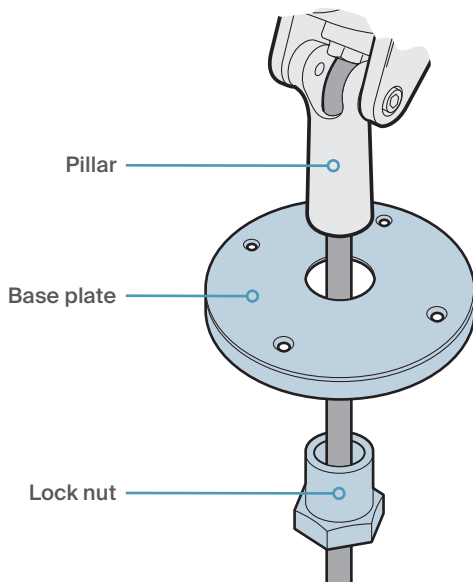
4 Secure the base plate to the surface/electrical outlet box using four suitable screws or bolts (preferably with countersunk heads).

Fitting a spread lens

The standard beam angle options are 7 or 12 degrees. These can be adjusted by inserting an appropriate spread lens (20°, 40°, 60° or 10° x 60°) into the inside of the front panel.

To fit a spread lens

Notes: This operation is best achieved with the Dyna Accent Mini front face lying horizontally. Install spread lenses only in dry conditions to avoid any build up of condensation.

1 Using a Phillips screwdriver, remove the four screws which secure the front hood to the main body of the fixture.

2 Remove the protective films from both sides of the spread lens. Ensure that the black rubber gasket is correctly in place around the circumference of the spread lens.

3 Place the spread lens into the recess in front face of the fixture and ensure the *Notch* on one side of the lens' rubber gasket faces away from the emitter and also aligns with the fixture's *Drainage recess*. *Note: When correctly placed, the matt side of the lens will face the emitter.*

4 Place the front hood over the spread lens and the fixture's front face, ensuring that the *Drain hole* of the front hood aligns with the *Notch* in the lens gasket and the *Drainage Recess* of the fixture.

5 Reintroduce the four screws and tighten sufficiently.

Note: 10° x 60° spread lenses produce an elongated beam shape which you may need to rotate within the rubber gasket to achieve the required focus.

Front hood

Drain hole

Notch

Drainage recess
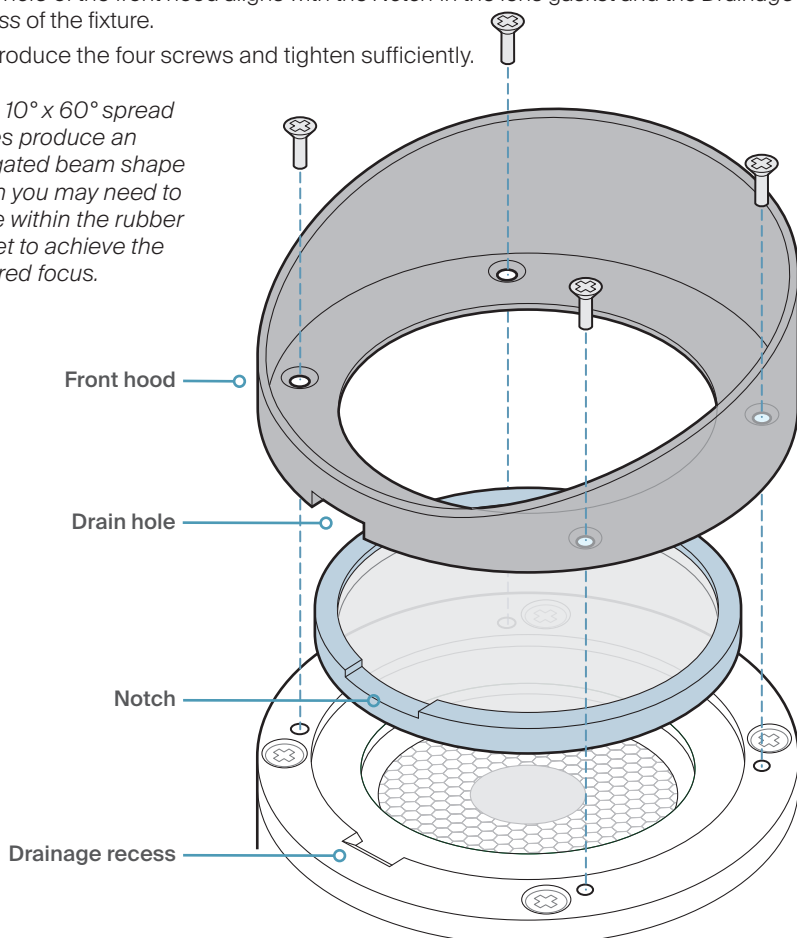
Fitting a snoot

For installations where any light spill from the Dyna Accent Mini must be eradicated from a nearby surface, the optional 1.5" (40mm) snoot is recommended.

Note: If required, a spread lens can be fitted together with the snoot, see page 10.

To fit a snoot

> *Note: This operation is best achieved with the Dyna Accent Mini front face lying horizontal.*

1 Using a Phillips screwdriver, remove the four screws which secure the front hood to the main body of the fixture.

2 Place the snoot onto the front face of the fixture and ensure the snoot's *Drain hole* aligns with the fixture's *Drainage recess*.

3 Reintroduce the four screws and tighten sufficiently.

Snoot

Drain hole

Drainage recess
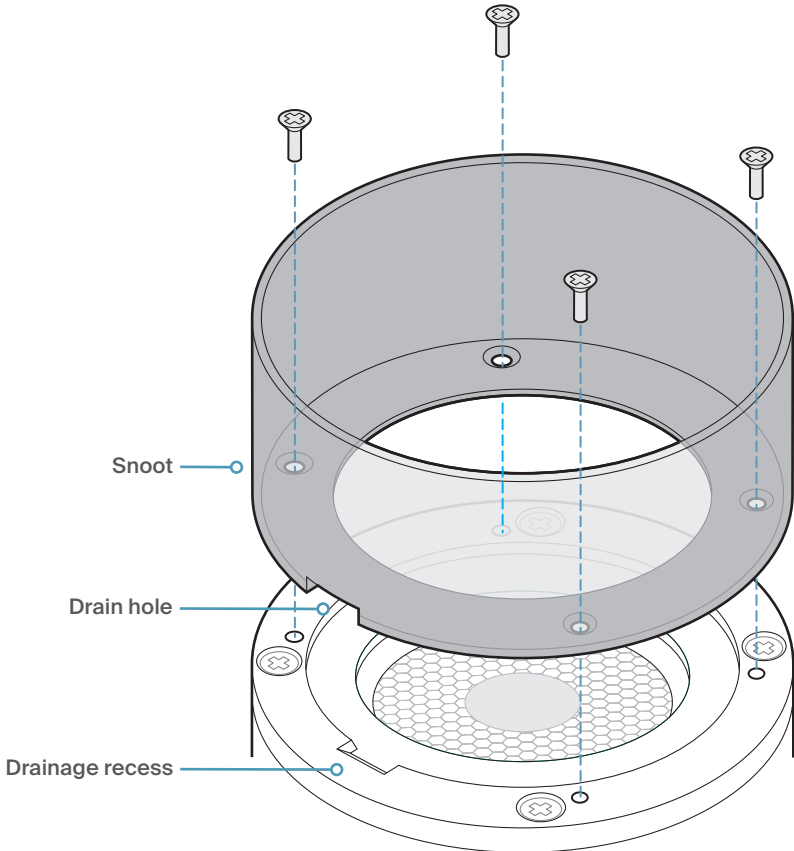
Power and control wiring

The combined power and control cord (roughly five feet, 1.5m in length) enters the casing via a water-tight gland on the underside of the fixture. The cord can be supplied either with bare tails or an Outdoor Linking System connector (see page 15).

Power

The power requirements are as follows:

- Voltage: 100 to 240 or 277VAC 50/60Hz
- Power: 13W steady state

Note: Acclaim recommends taking proper precautions for external surge protection, as control and power electronics can be damaged by major events.

The power cord color designations are as follows:
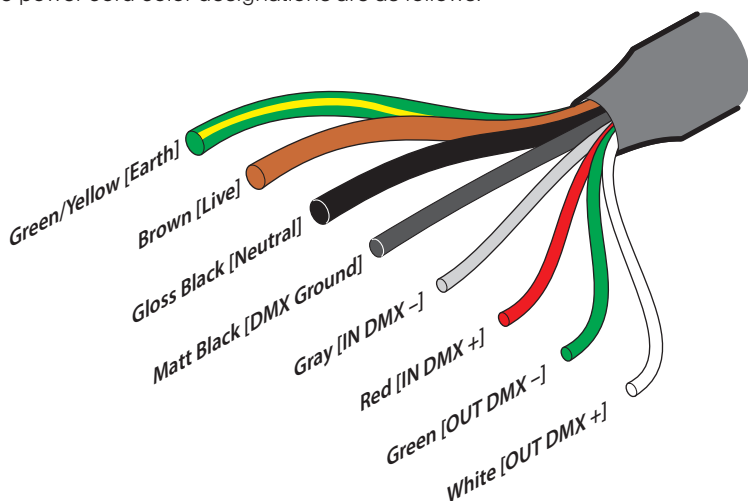
In-rush current

Although LED fixtures are low power devices compared to their incandescent equivalents, their power supplies exhibit a trait known as 'in-rush current' when they are first powered on. This is caused by the various components within the switching power supplies topping themselves up with power. The in-rush current period lasts only milliseconds and does not cause any effect when a handful of units are powered on at the exact same time. However, if many fixtures are linked to the same power input, they will momentarily pull a current that may greatly exceed their normal operating level. This may affect over-current trips when power is applied. For this reason it is advisable to limit the number of fixtures on any one power input.

Wired 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:
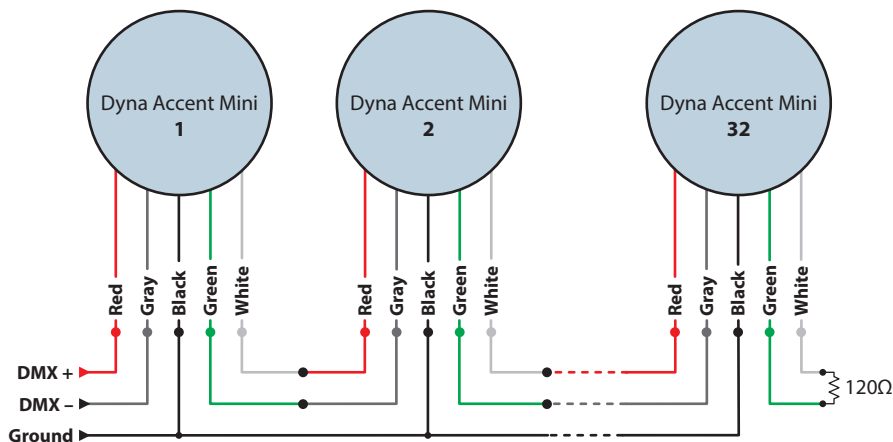
Note: Acclaim requires Belden 9842 or approved equivalent for all DMX wiring applications.

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.

Input wiring protection

Ensure that appropriate care is taken to protect the junction where the mains and control inputs are joined to the feed cable. The Acclaim Lighting AJBOX1 is an IP66-rated junction box which provides separated AC power and DMX control inputs for connection to a combined feed cable:

IP66 lid

Surge protector

Combined feed output (¾" NPT thread)

HV/LV barrier

AC power input (½" NPT thread)

DMX input (½" NPT thread)
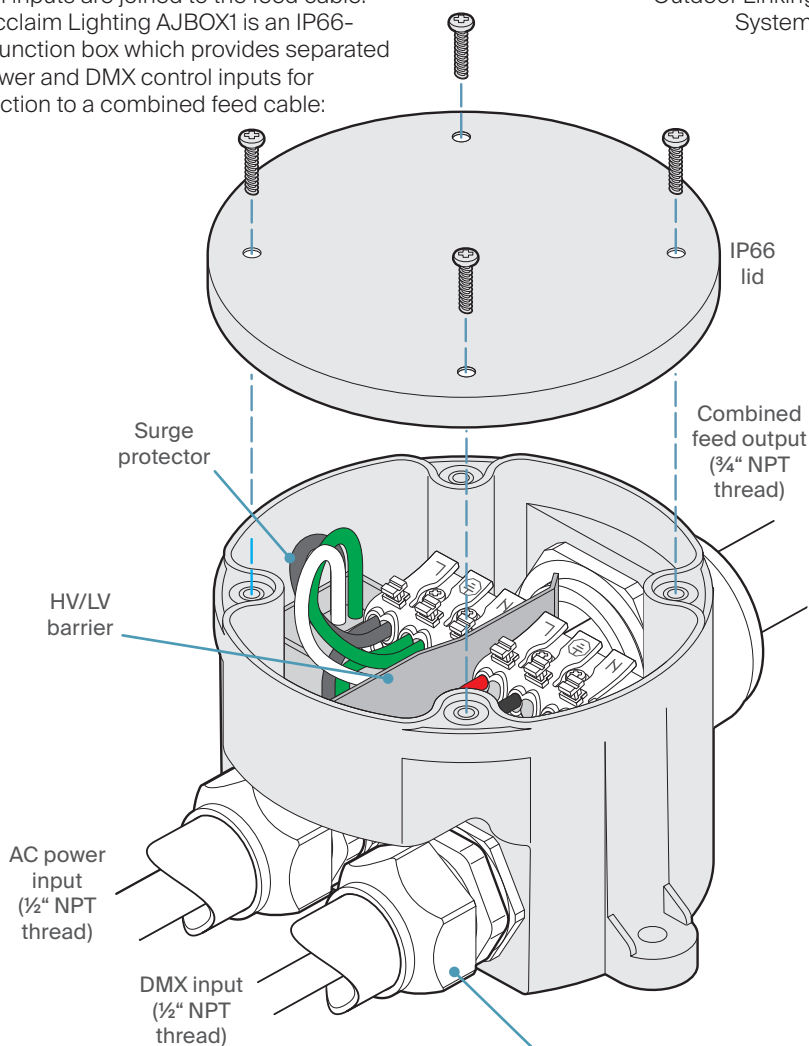
Input fixtures/glands

You will need to source 3rd-party conduit fixtures/cable glands for the inputs, as suits your installation. The large cable gland for the output is provided with the AJBOX1.

Shown here with cable gland inputs rather than conduit fixtures

www.acclaimlighting.com   Acclaim™
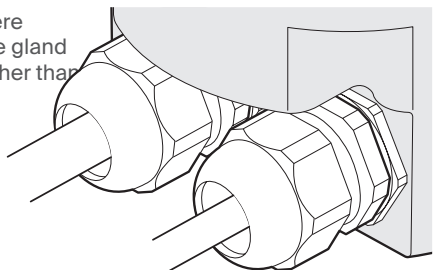
Cabling with OLS

Dyna Accent Mini fixtures can be specified with Outdoor Link System connectors pre-fitted instead of bare tails. OLS greatly simplifies the task of distributing power and control to multiple fixtures.

OutdoorLink system

OLS is a collection of feed and link cables (of various lengths) plus a T-junction and a terminator, all utilizing IP67-rated connectors together with robust all-weather construction. The input to each stage is signified by a connector with a blue collar, while all outputs have connectors with black collars. The blue and black connectors mate quickly and easily, with a twist of the collar to lock them securely in place.

A typical configuration is shown on the next page.
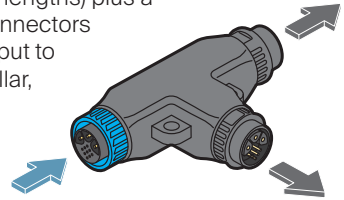
Limits

Feed current must not exceed 15A, which results in the realistic limits listed here:

Line voltage:	120VAC	230VAC	277VAC
Max power:	1,800W	3,450W	4,155W
Max run length:	150'	300'	350'
Max number of Dyna Accent Mini fixtures:			
White:	32	32	32
Color:	32	32	32

Feed cable connections

Each feed cable provides bare tail connections suitable for termination within an all-weather junction box, such as the AJBOX1:

Red: **DMX IN +**
White: **DMX IN –** } **DMX IN**
Black: **DMX Ground**

Red/White: ✘
White/Black: ✘ } **Not used**

Brown: **AC Live**
Blue: **AC Neutral** } **POWER IN**
GreenYellow: **AC Earth**
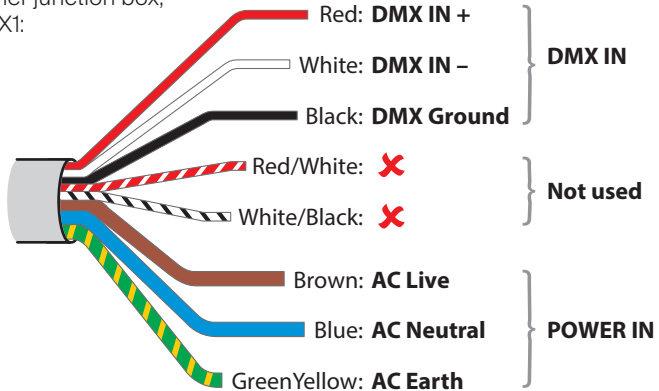
Typical OLS configuration

IMPORTANT: A terminator must be fitted to the final T-junction to simultaneously protect the live connections and correctly terminate the DMX control feed.

If a link cable is used between any T-junction and a fixture input, the total length (from the T-junction to the fixture) must not exceed 10' (3m) in length.

Power In ▶

DMX In ▶

AJBOX1
(see page 14)

OLSF#-V2 *Feed cable*
1' to 50'
(0.3 to 15.2m)

Dyna Accent Mini with
5' (1.5m) cable and
OLS connector option

OLST2 *T-junction*

OLSL#-V2 *Link cable*
1' to 50'
(0.3 to 15.2m)

Dyna Accent Mini with
5' (1.5m) cable and
OLS connector option

OLST2 *T-junction*

OLSL#-V2 *Link cable*
1' to 50'
(0.3 to 15.2m)

Dyna Accent Mini with
5' (1.5m) cable and
OLS connector option

OLST2 *T-junction*

OLSEC *Terminator*

www.acclaimlighting.com **Acclaim**™

Wireless control

The embedded Aria™ wireless system allows you to control any number of Dyna Accent Mini fixtures that are within range of an Aria transmitter set to use the same wireless address:

Tx

Optional Aria transmitter

DMX IN ▶
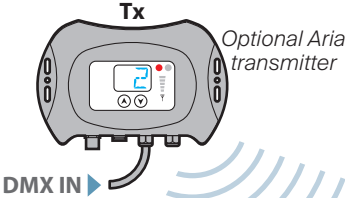
Notes:

The wireless channel is totally independent of the DMX address.

To aid clarity, the necessary power cables for each fixture are not shown in these diagrams.
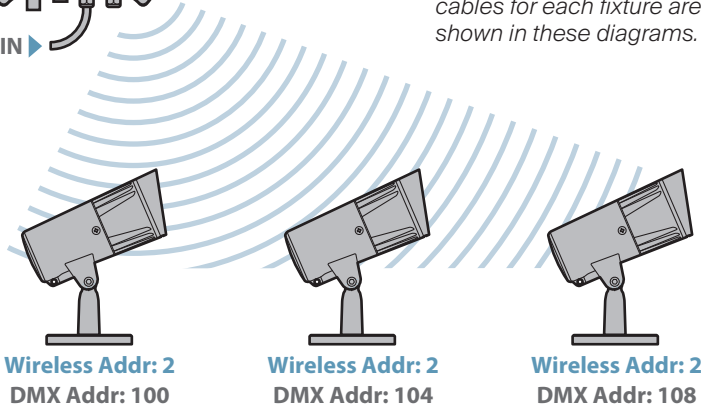
Wireless Addr: 2
DMX Addr: 100

Wireless Addr: 2
DMX Addr: 104

Wireless Addr: 2
DMX Addr: 108

Using a Dyna Accent Mini as a wireless hub

When a Dyna Accent Mini fixture receives a wireless input (and it has no wired DMX input), it will automatically output the full received DMX universe on its output wires. This means that you can wire through and control up to 32 non-Aria DMX fixtures (such as Dyna Flood DMX), or more, if an active repeater is used.

Tx

DMX IN ▶

Wireless Addr: 2
DMX Addr: 100

DMX Addr: 101

DMX Addr: 105

Non-Aria equipped fixtures (e.g. Pixel Graze)

Configuration

Dyna Accent Mini fixtures have no external controls and instead rely on RDM (Remote Device Management) for all configuration via the DMX interface. This allows multiple devices to be configured either before or after installation (when fully cabled).

Note: It is not possible to carry out RDM configuration on fixtures via the Aria™ wireless DMX link.

The items that can be configured on each fixture (via RDM) are:

- DMX address
- Aria wireless receiver
- Solo behavior

Various third party DMX/RDM tools are available; we recommend the DMXcat-E™ from City Theatrical™ for this task.

Acclaim™

Addressing fixtures

To configure the DMX address using the DMXcat-E

1 Connect the DMXcat-E to the DMX input line of the Dyna Accent Mini installation.

2 In the DMXcat app on your phone, link to the DMXcat-E unit and then choose the RDM Controller tool:
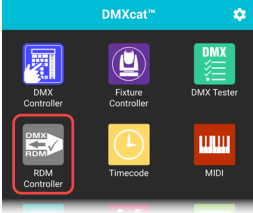
3 The DMXcat-E will search for RDM devices and after a short while it will display a list of all located fixtures:
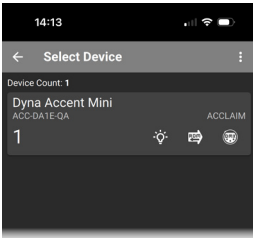
4 Tap the list entry for the required fixture to view the Quick Settings popup:
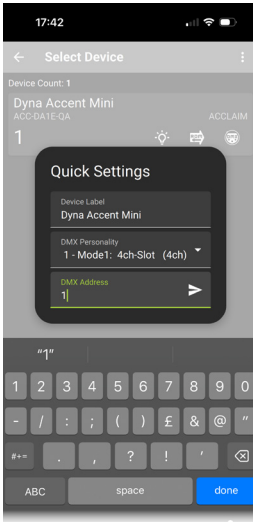
DMX channels
The number of DMX channels required per fixture depends on the model:

- Fixed white models   1 DMX channel
- RGBW models   4 DMX channels

5 Tap the **DMX Address** entry, enter the required address and tap the ➤ icon.

Configuring the Aria wireless DMX receiver

Each Dyna Accent Mini fixture includes an internal Aria™ wireless DMX receiver unit to allow it to be remotely controlled by an Acclaim Lighting Aria transmitter. Fifteen radio channels are available to choose from, allowing you to avoid potential interference sources, such as WiFi access points, and set up parallel wireless links between different sets of Aria units. For more details about choosing the most suitable wireless channel, see page 23.

Various third party DMX/RDM tools are available; we recommend the DMXcat-E™ from City Theatrical™ for this task.

To configure wireless DMX
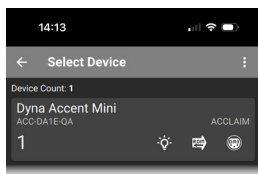
1 Connect the DMXcat-E to the DMX input line of the Dyna Accent Mini installation.

2 In the DMXcat app on your phone, link to the DMXcat-E unit and then choose the **RDM Controller** tool.

3 The DMXcat-E will search for RDM devices and after a short while it will display a list of all located fixtures:

4 Tap the ⬛ icon for the required fixture to view its Device Details, then scroll to the right side of the option headings at the top of the page and tap the **Manuf. Settings** entry:
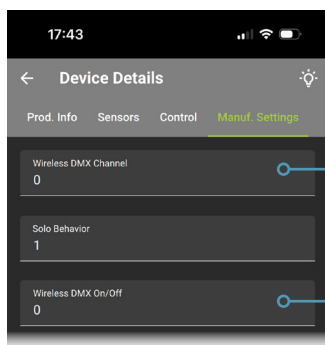
Tap to change the Aria wireless channel

Tap to enable/disable the Aria wireless receiver

5 Within this page, you can enable/disable the wireless receiver circuit and change the wireless channel:

- Tap the **Wireless DMX Channel** entry and enter the required address: Between **0** and **14** - then tap the ▸ icon.

- Tap the **Wireless DMX On/Off** entry and set it as required: Enter '**1**' to enable or enter '**0**' to disable - then tap the ▸ icon.

- For more details about choosing the most suitable radio channel, see page 23.

Note: Ensure the Aria transmitter and any other related fixtures are set to use the same wireless channel.

www.acclaimlighting.com   **Acclaim™**

Determining solo behavior

You can choose how the fixture should behave when it is running solo, either because an external control input is not being used at all or because a control connection has been temporarily lost. There are three solo behavior choices:

- **Black Out** - (Setting **0**) In this mode, when no external control is present, the emitter output will be extinguished.
- **Last DMX Value** - (Setting **1**) In this mode, when no external control is present, the emitter output will remain as per the last received instruction.
- **Internal Program** - (Setting **2**) In this mode, when no external control is present, the fixture will output at full intensity.

Various third party DMX/RDM tools are available; we recommend the DMXcat-E™ from City Theatrical™ for this task.

To configure wireless DMX using the DMXcat-E

1 Connect the DMXcat-E to the DMX input line of the Dyna Accent Mini installation.

2 In the DMXcat app on your phone, link to the DMXcat-E unit and then choose the **RDM Controller** tool.

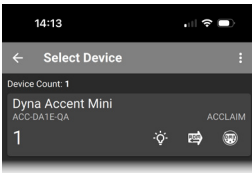3 The DMXcat-E will search for RDM devices and after a short while it will display a list of all located fixtures:

4 Tap the ![RDM] icon for the required fixture to view its Device Details, then scroll to the right side of the option headings at the top of the page and tap the **Manuf. Settings** entry:
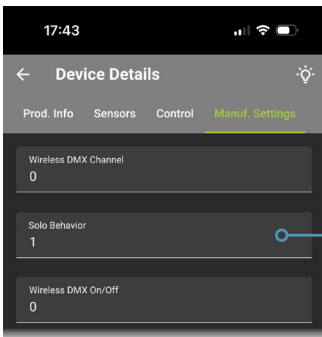
Tap to determine the solo behavior

5 Tap the **Solo Behavior** entry and set the mode as required:
- Enter **0** to set **Black Out** mode.
- Enter **1** to set **Last DMX Value** mode.
- Enter **2** to set **Internal Program** mode.

6 Tap the ![icon] icon.

Further information

Troubleshooting

No light output is visible when expected.

- Check that power is correctly applied to the fixture and that there is no damage to the power input cord.

- Use an RDM tool to perform an emitter test.

- Check that the DMX address set within the fixture matches that being output by the controlling source device.

- If wired DMX control is being used, check the DMX output near to the source to confirm a valid signal is being originated.

- If wired DMX control is being used, check that the DMX + (hot) and DMX – (cold) lines have not been crossed.

- If Aria wireless DMX control is being used, check that the fixture is set to the same wireless address as the transmitter (the wireless address is independent of the DMX address). Try changing the transmitter and receiving fixture(s) to different (but equal) wireless channels to check for clear space in the radio spectrum from interference by other devices, such as WiFi.

Dimming and/or chase changes are jerky when using Aria.

- Check for WiFi sources near to the transmitter or receiver devices. Try changing the transmitter and receiving fixture(s) to different (but equal) wireless addresses to check for clear space in the radio spectrum from interference by other devices.

Acclaim™

Optimizing signal strength via channel selection

Aria™ wireless transceivers use radio frequencies contained within the Industrial Scientific and Medical (ISM) band that runs between 2.4GHz and 2.5GHz. As one of the few license-free radio bands agreed upon in most countries, many other devices also use this band, most notably WiFi. Aria units use the ISM band in a different manner than WiFi and the two can coexist. However, where distances between Aria units are great and WiFi access points are reasonably close, then interference can become an issue.

WiFi uses the IEEE802.11 standard, which divides the ISM band into 13 (sometimes 14) channels, each of which is 22MHz wide. However, the channels overlap and so cannot all be used simultaneously. Hence, most WiFi access points settle upon channels 1, 6 and 11 to avoid any overlap:
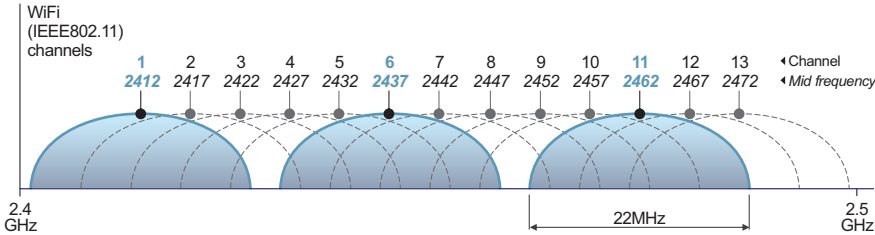
Aria uses the IEEE802.15.4 standard, with channels that are 3MHz in width and do not overlap. Many Aria channels do, however, coincide with the common WiFi channels. The notable exceptions are Aria channels 4, 9 and 14, which fall into the gaps between the most commonly used WiFi channels:
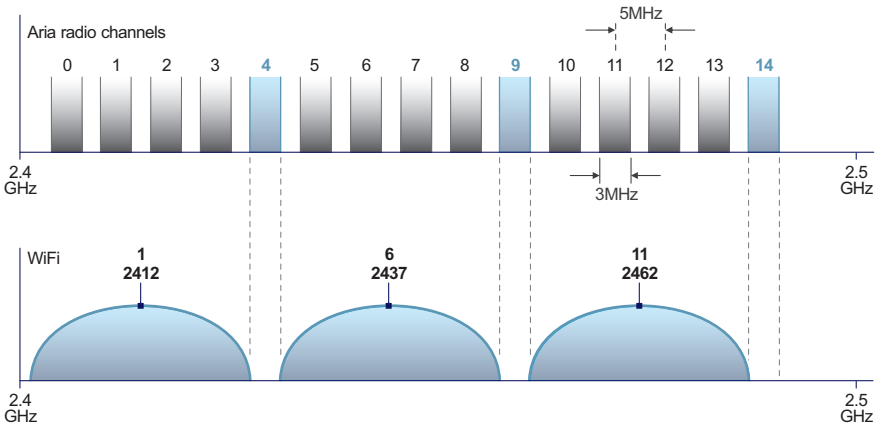
Where interference is suspected, a radio frequency survey may provide useful indications. If you have control over the nearest WiFi access points, it is suggested that you lock them down to one or more of the common channels (to prevent them from roaming) and select Aria channels that sit comfortably alongside.

Note: The Aria channel notations (0 to 14) are directly equivalent to the IEEE802.15.4 channels 11 to 25, inclusive.
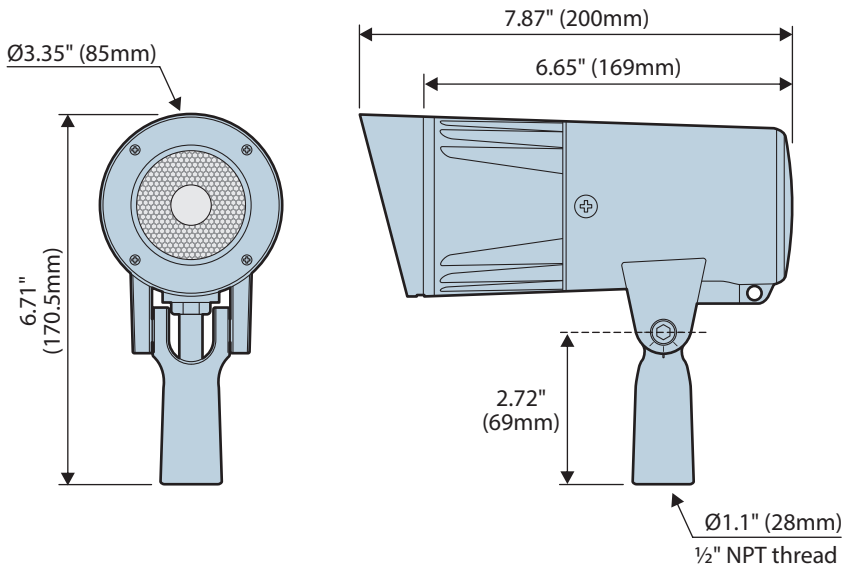
Specifications

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
Lumen maintenance (L_{70})	150,000 hours (25°C)
Aria™ wireless protocol	2.4GHz, IEEE802.15.4
Estimated transmission range	Clear line of sight: 2600 feet (792m) Through obstructions (walls, etc): 300 feet (91m)
Selectable radio channels	15
Aria signal encryption	AES 128
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
Mounting	Directly compatible with ½" NPT pipe (O.D.=0.855") Other mount options available
Effective projected area	0.56 ft²
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 use
Power input	100-277VAC, 50/60Hz
Power consumption	13W
Operating temperature	-40°F to 122°F (-40°C to 50°C)
Weight	2.87 lbs (1.3kg)
Certifications	

OLS specifications

AC conductors	3 x 14AWG
DMX conductors	4 x 20AWG plus shield
Maximum input voltage	305VAC
Surge voltage	1000V
Maximum total line current	15A
Maximum total line power	120VAC: 1,800W 230VAC: 3,450W 277VAC: 4,155W
Maximum run length	120VAC: 150' (45m) 230VAC: 300' (90m) 277VAC: 350' (106m)
Flame resistance	UL94-V0
IP rating	IP67, wet location
Operating temperature	-40°F to 176°F (-40°C to 80°C)

Dimensions

Ø3.35" (85mm)

6.71" (170.5mm)

7.87" (200mm)

6.65" (169mm)

2.72" (69mm)

Ø1.1" (28mm)
½" NPT thread

Ground spike and joiner

Ø2.36" (60mm)

Ø10.43" (265mm)

½" NPT thread

1.1" (28mm)

0.94" (24mm)

0.63" (16mm)
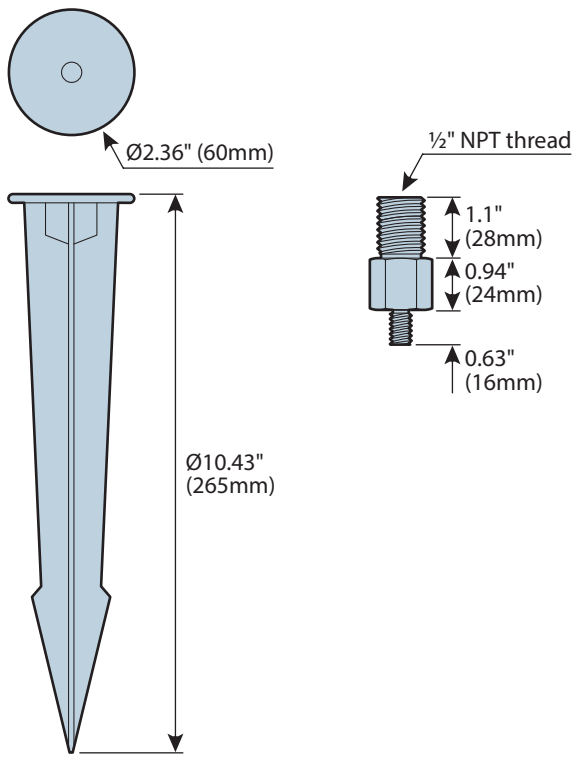
4" electrical box base plate

2.48"
(63mm)

4 x Ø0.18" (4.5mm)
Ø0.28" (7mm) c'sink

2.48"
(63mm)

Ø4.45" (113mm)

Ø4.29" (109mm)

0.39"
(10mm)
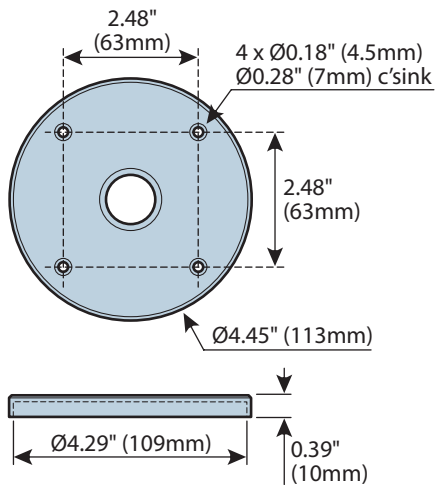
Lock nut (supplied with both base plate types)

½" NPT thread

0.79"
(20mm)

0.31"
(8mm)

1.02"
(26mm)

Ø0.53" (13.5mm)
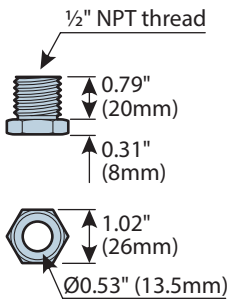
Surface mount base plate

2.48"
(63mm)

4 x Ø0.28" (7mm)
Ø0.47" (12mm) c'sink

2.48"
(63mm)

Ø4.45" (113mm)

0.47"
(12mm)

www.acclaimlighting.com
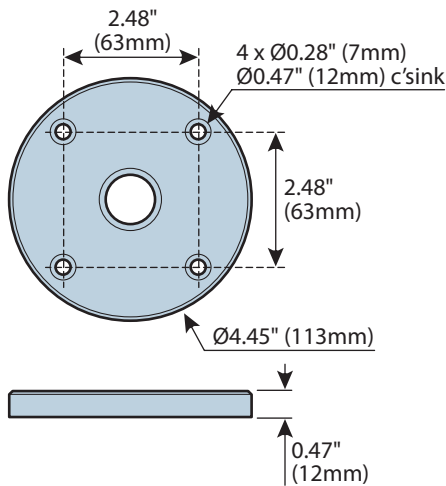
Acclaim™

Limited product warranty

A. Acclaim Lighting™ hereby warrants, to the original purchaser, Acclaim Lighting finished products to be free of manufacturing defects in material and workmanship for a standard period of:

- Fixtures: 5 Years (1,825 days) from the date of purchase.
- Drivers, power supplies and accessories: 5 Years (1,825 days) from the date of purchase.
- Flex Products: 3 Years (1,095 days) from the date of purchase.
- Controllers: 2 Years (730 days) from the date of purchase.

It is the owner's responsibility to establish the date and place of purchase and warranty terms by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Acclaim factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Acclaim Lighting will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Acclaim Lighting shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return there of. Acclaim reserves the right to replace the item with same or similar product at its discretion.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Acclaim concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Acclaim Lighting factory unless prior written authorization was issued to purchaser by Acclaim Lighting; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up nor do we guarantee as part of this warranty any lumen performance during period. Parts not covered by this warranty include: fuses, external power supplies, third party items not manufactures by Acclaim lighting. During the period specified above, Acclaim Lighting will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Acclaim Lighting under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Acclaim Lighting. At no time will installation or re-installation or products labor or liability costs will be assumed by Acclaim Lighting. All products covered by this warranty were manufactured after January 1, 2012, and bear identifying serial number marks to that effect.

E. Acclaim Lighting reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products describe above. Except to the extent prohibited by applicable law, all implied warranties made by Acclaim Lighting in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired.

F. Marine or extreme weather location applications using Acclaim lighting products are subject to a 2 year limited warranty and Acclaim must be notified prior to delivery of units for such applications so that preventative treatment can be made to the products to ensure proper performance and product life with a special marine code coating / sealing process at an additional cost.

G. The consumer's and or dealer's sole remedy shall be such repair or replacement as is expressly provide above; and under no circumstances shall Acclaim Lighting be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product. This warranty is the only written warranty applicable to Acclaim Lighting products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.