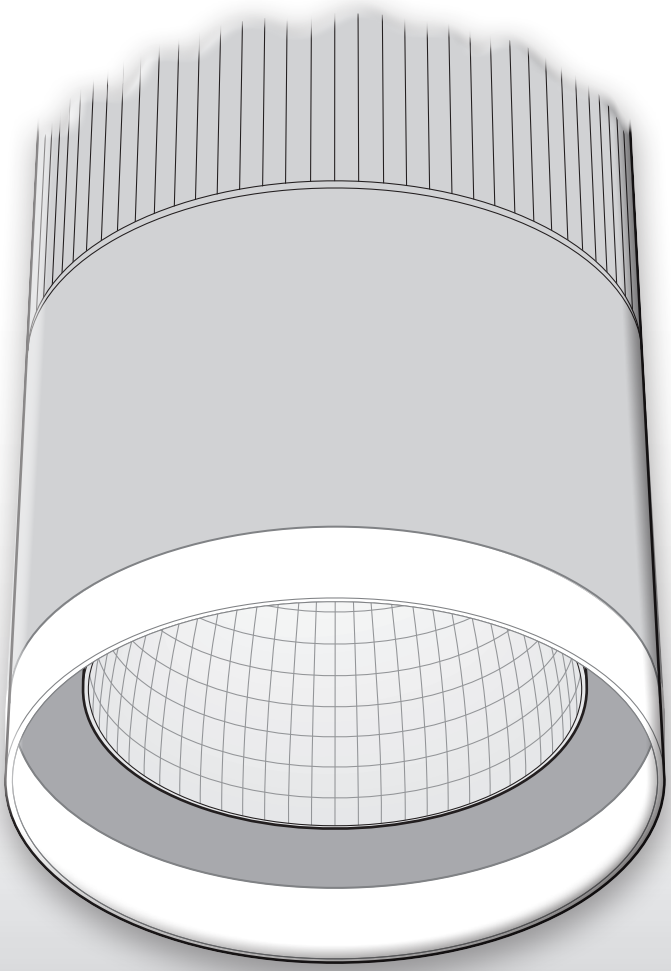
ACCLAIM LIGHTING



aria™ WIRELESS DMX

ams ACCLAIM MODULAR SYSTEMS

Cylinder One HO

User guide

CONTENTS

INTRODUCTION

WELCOME

Welcome to the Cylinder One range from Acclaim Lighting. These aluminum bodied fixtures provide high output long throw downlighting for interior spaces.

The Cylinder One range fully embraces Acclaim Lighting's Modular Systems (AMS) design standard; AMS allows a wider choice of options to be configured in our Los Angeles headquarters and delivered within industry-leading timescales.

Cylinder One fixtures provide four distinct mounting options; four different emitter choices with varying color temperatures and also varying beam widths delivered by quick change reflectors:

- Surface, pendant, aircraft cable or wall mounting,
- 2700K, 3000K, 3500K or 4000K high-CRI color temperatures,
- 15º, 22º 40º or 70º beam widths via quick change reflectors.

Control is achieved using the industry standard DMX with RDM support for addressing and configuration. Each Cylinder One fixture is supplied with 20' (6m) power and control cords.

Aria™ wireless DMX control is fitted as standard to every Cylinder One fixture, promoting rapid deployment without the need to retrofit control cabling to existing structures.

The internal auto-sensing power supply within each unit can accept mains inputs between 100 to 277VAC at 50 or 60Hz. Total power consumption is just 135W at full output.

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

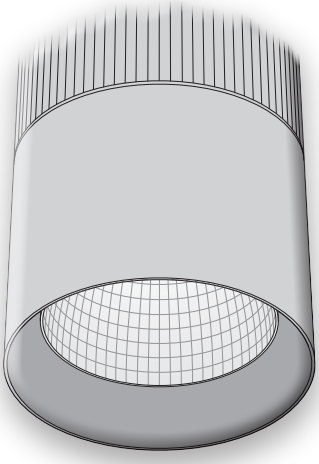
CAUTION: Always isolate mains power before starting maintenance operations.

- 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.

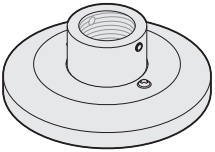
SUPPLIED ITEMS



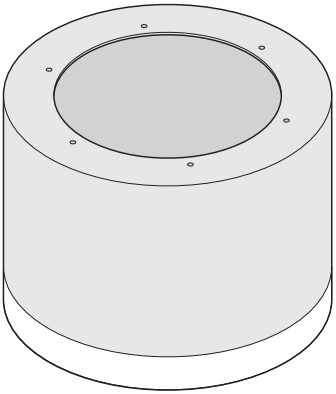
Cylinder One

With chosen mount type (A, B, C or D), reflector and 20' (6m) power and control tails.

A pendant mount is supplied as standard with the 3/4" NPS mounting option.



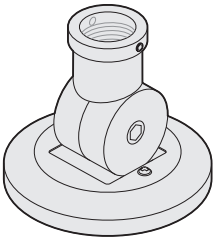
ACCESSORIES



Illuminated trim ring
[COHTR]

NPS pipe
(3/4" NPS, O/D=1.050")
12" gray [NPS34-12G]
24" gray [NPS34-24G]
36" gray [NPS34-36G]

(For other colors, substitute G suffix for:
B = black
W = white
C = custom)



Vaulted ceiling mount
[COHVCM]

EMERGENCY BACKUP SYSTEMS

DO NOT USE WITH DISPERSED BACKUP SYSTEMS

Cylinder One HO fixtures **are not** compatible with dispersed emergency backup systems (for fire and/or power) that use a single ballast per light; these typically send low voltage (24-50VDC) to the fixtures.

COMPATIBLE WITH CENTRALIZED BACKUP SYSTEMS

Cylinder One HO fixtures **are** compatible with centralized lighting backup systems that can provide AC power to all required emergency circuits. While Cylinder One HO fixtures are not UL 924 approved, per NEC 2023 700.24, they can operate as ***directly controlled emergency luminaires***, which default to 100% output upon disconnection of the control input.

The following conditions must all be met:

- The power feed is derived from an emergency backup system capable of supplying AC power for a minimum of 90 minutes operation,
- The control connection is fed via a UL 924 listed Emergency Lighting Control Device (ELCD) that will remove the DMX control feed upon activation (per NEC 2023 700.24), and,
- Each Cylinder One HO fixture is placed into the SOLO BEHAVIOR > INTERNAL PROGRAM internal setting (this is the default setting). With this mode selected the fixtures will automatically provide full intensity output shortly after the DMX control signal is lost. Please see "Determining solo behavior" on page 22.

Note: It can take 5-7 seconds for the fixtures to respond and produce light output within solo behavior mode when DMX control is lost but AC power remains present. This lies within the limits of the National Electrical Code, which allows up to ten seconds for emergency lighting to respond.

INSTALLATION

MOUNTING

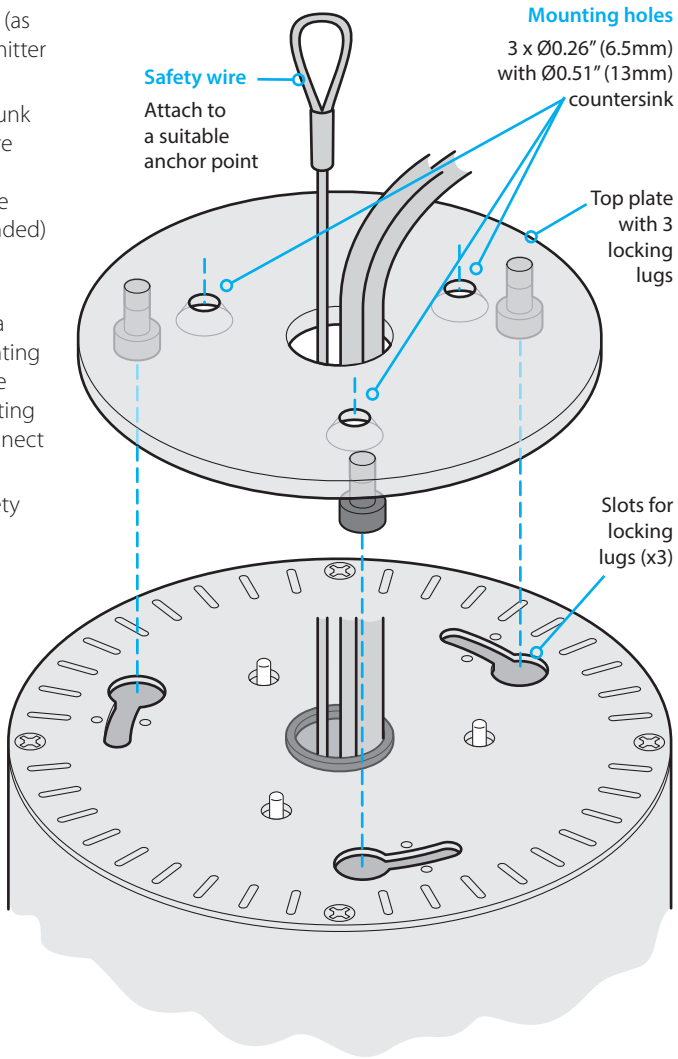
Four different (factory fitted) mounting options are available for Cylinder One fixtures.

Note: Please see the junction box details given on page 10.

SURFACE MOUNT [TYPE A]

This mount allows the top surface of the Cylinder One fixture to be fixed almost flush to the ceiling above. A locking top plate allows quick mounting and dismounting of the fixture.

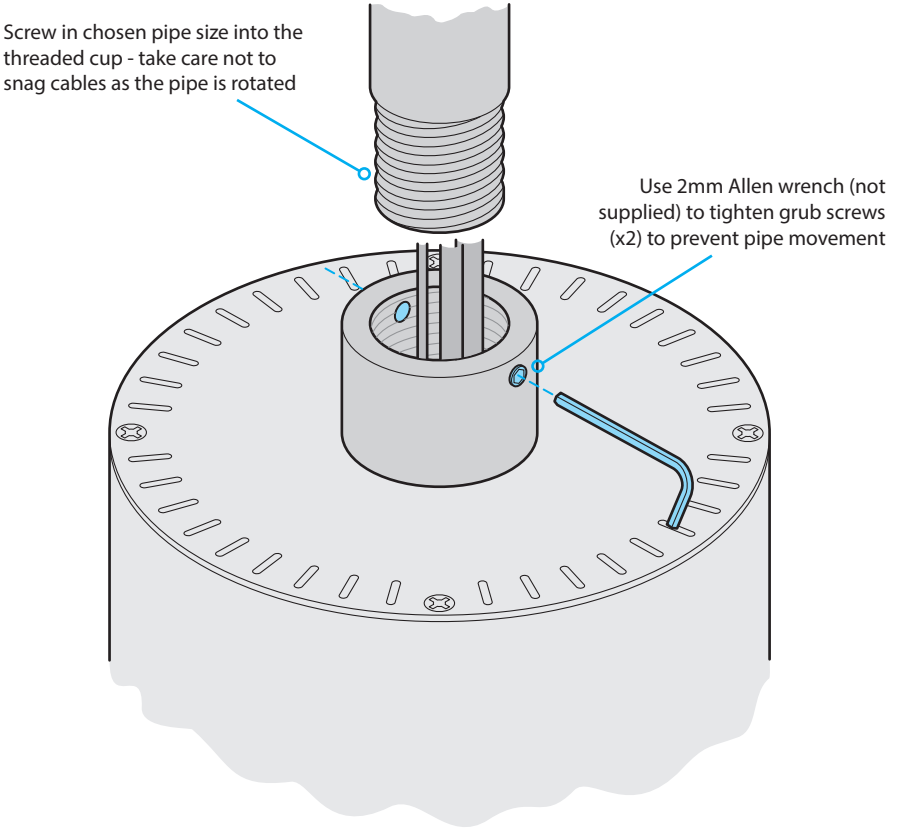
- **To disconnect the fixture body from the top plate**: Push the fixture body up against the top plate then twist the body clockwise (as viewed from the emitter end) to release.
- Use three countersunk screws/bolts that are load rated (Grade 5 or greater fixings are strongly recommended) and suitable for the mounting surface.
- Ensure that there's a suitable solid mounting surface for the three countersunk mounting screws/bolts to connect with.
- Ensure that the safety wire is attached to a suitable anchor point within the ceiling space.
- **To reconnect the fixture body to the top plate**: Ensure the locking lugs of the top plate engage with the three holes in the upper surface of the main body. Push the fixture body up against the top plate then twist the body counter-clockwise (as viewed from the emitter end) to lock into place. Ensure that the lugs are fully locked and the fixture body cannot fall.



3/4" NPS PENDANT MOUNT [TYPE B]

This mount allows the Cylinder One fixture to be mounted as a pendant light, with a choice of three pipe sizes (from 12" to 36") connecting to either a fixed or a swivel bracket (for vaulted ceilings).

- Feed the power and signal cables, plus the safety wire through the chosen pipe and carefully screw it all the way into the threaded cup on the top surface of the Cylinder One fixture - take great care not to snag the cables within the pipe as it is rotated into place.
- Ensure that the two grub screws in the threaded cup are fully tightened to prevent any movement of the pipe - requires a 2mm Allen wrench (not supplied).
- Attach the required bracket to the other end of the pipe - see page 7.
- *Note: Please see the junction box details given on page 10.*

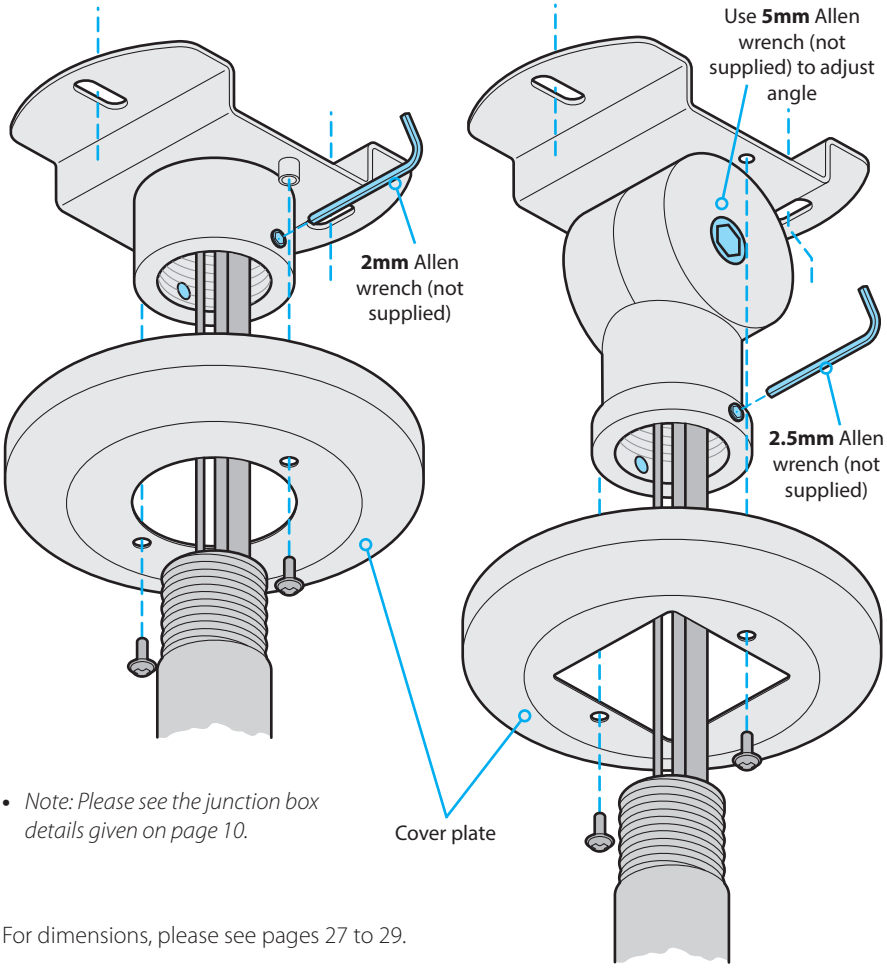


For dimensions, please see pages 27 to 29.

3/4" NPS PENDANT MOUNT - BRACKETS [TYPE B]

Two types of bracket are available for use with the 3/4" NPS pendant version of the Cylinder One - a fixed vertical type for level surfaces or a swivel type for vaulted ceilings. The swivel type can be angled up to 60° from vertical.

- Fit the chosen pipe to the Cylinder One fixture as outlined on page 6.
- Feed the power and signal cables, plus the safety wire from the pipe through the threaded cup of the bracket - take great care not to snag the cables as it is rotated into place.
- Ensure that the two grub screws in the threaded cup of the bracket are fully tightened to prevent any pipe movement - requires either a 2mm or 2.5mm Allen wrench (not supplied).
- Remove the two screws that hold the cover plate in place to gain access to the mount holes.
- Use two screws/bolts that are load rated (Grade 5 or greater fixings are strongly recommended) and suitable for the surface to fix the bracket.
- Ensure that there's a suitable solid mounting surface for the two mounting screws/bolts to connect with.
- Ensure that the safety wire is attached to a suitable anchor point within the ceiling space.



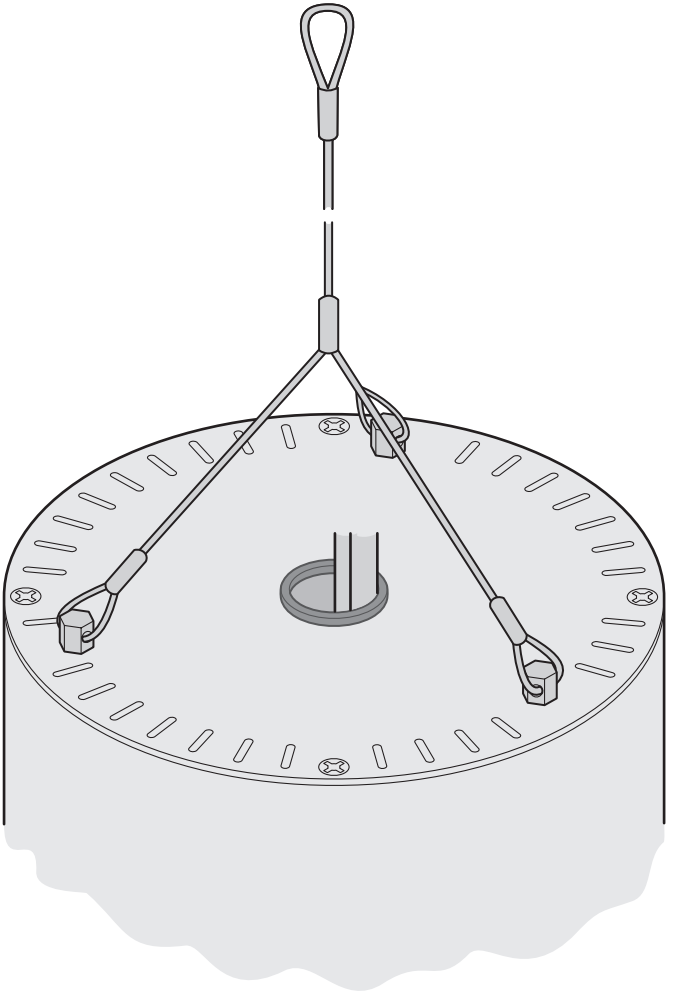
- *Note: Please see the junction box details given on page 10.*

For dimensions, please see pages 27 to 29.

AIRCRAFT CABLE MOUNT [TYPE C]

This mount allows the Cylinder One fixture to be hung from a securely mounted hook or ring.

- Ensure that the chosen hook is sufficiently load rated (Grade 5 or greater fixings are strongly recommended) for the weight of the fixture and is securely attached to the mounting surface.
- *Note: Please see the junction box details given on page 10.*

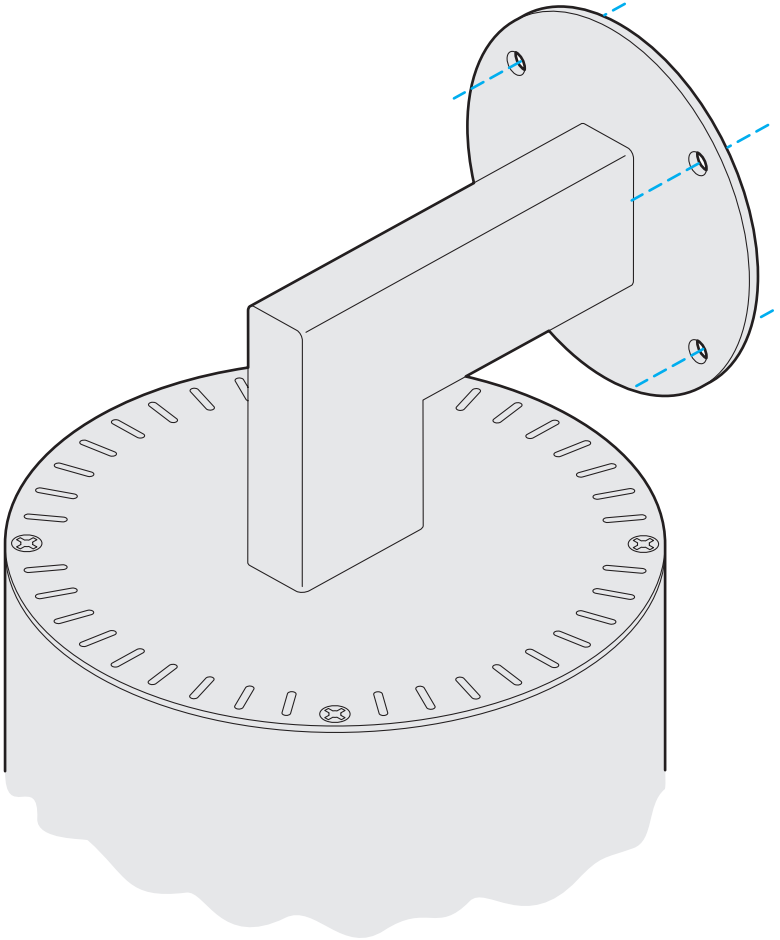


For dimensions, please see pages 27 to 29.

WALL MOUNT [TYPE D]

This mount allows the Cylinder One fixture to be secured directly to a vertical wall surface.

- Ensure that the wall surface is of sound construction and able to support the weight of the fixture.
- Use load rated fixings (Grade 5 or greater fixings are strongly recommended) that are appropriate to the wall construction.
- Ensure that the safety wire is attached to a suitable anchor point within the wall space.
- *Note: Please see the junction box details given on page 10.*

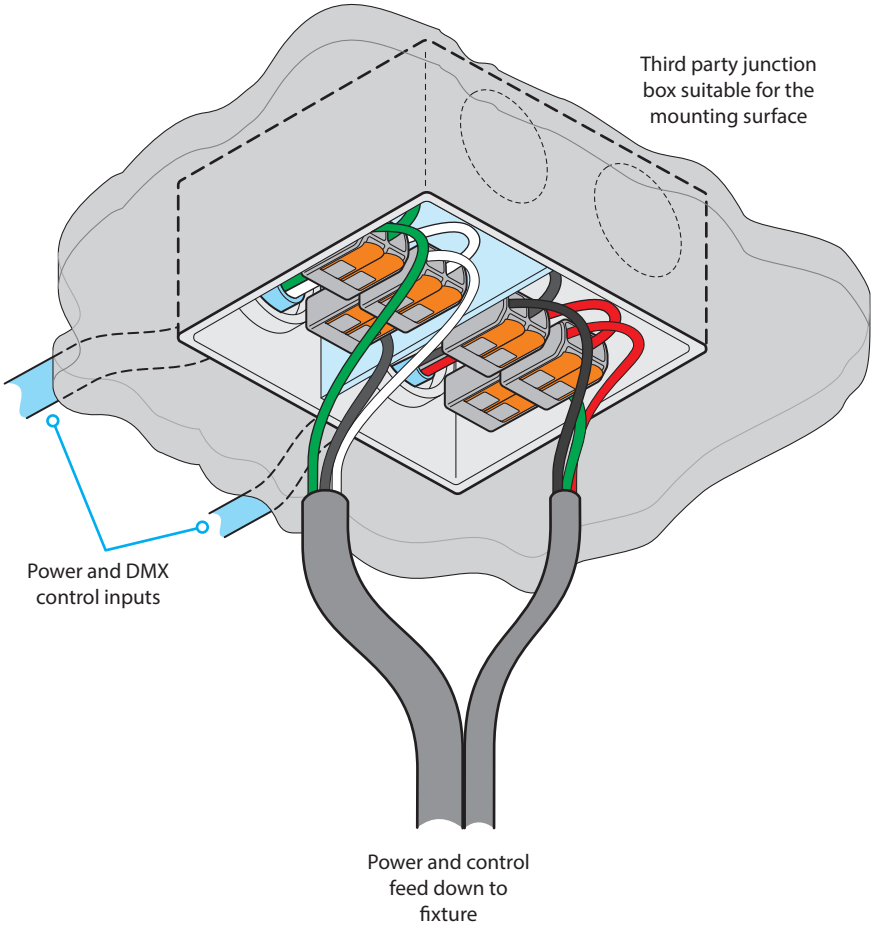


For dimensions, please see pages 27 to 29.

JUNCTION BOX CONNECTIONS

In-line with best practice, you are recommended to install a suitable junction box above or close to each Cylinder One fixture. Please note the following:

- The mains power supply and the DMX control signals must be contained within separated compartments, or alternatively within different junction boxes.
- Ensure that the junction box dimensions and its positioning does not interfere with the mounting structure for the Cylinder One fixture itself.
- For power and control wiring information, see page 13.



REFLECTORS

A selection of reflectors are available to allow you to match the correct beam size to each installation space. Reflectors are quick and easy to change.

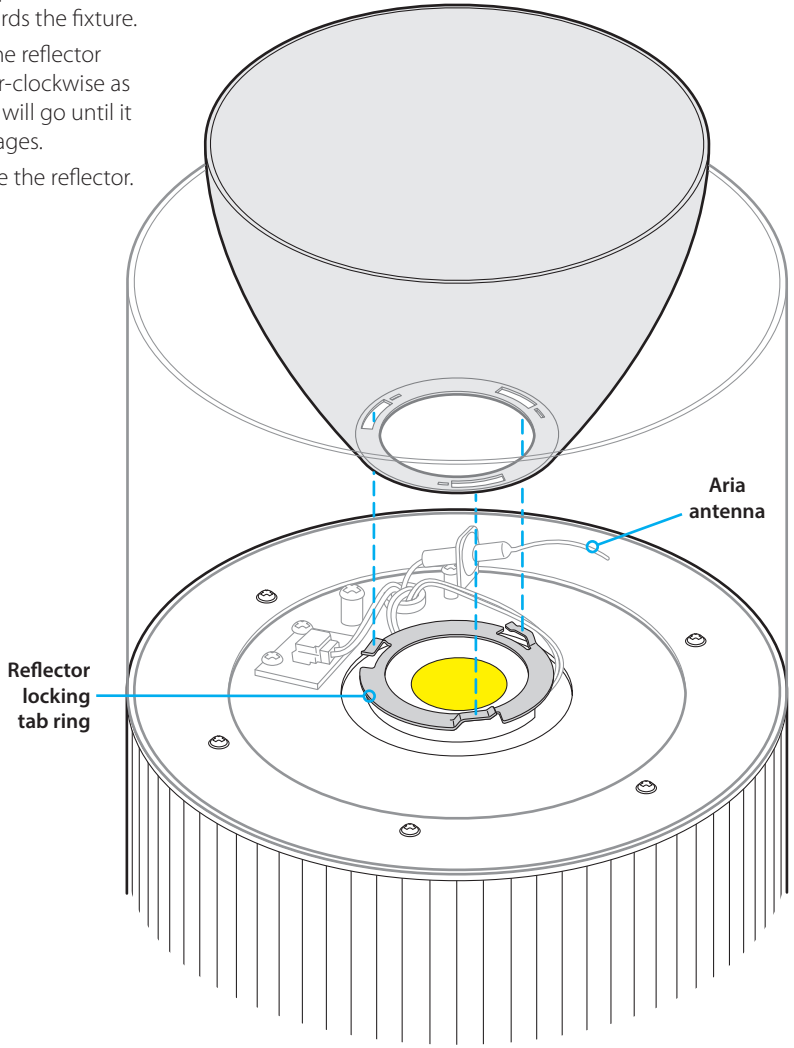
Note: Take care not to disturb the Aria antenna which is adjacent to the locking tab ring.

TO REMOVE A REFLECTOR

1 Gently push the reflector in towards the fixture.

2 Twist the reflector counter-clockwise as far as it will go until it disengages.

3 Remove the reflector.



TO FIT A REFLECTOR

1 Align the three cut outs in the base of the reflector with the three locking tabs located on the ring that surrounds the LED emitter.

2 Gently push the reflector onto the locking tabs and twist it clockwise until it locks into place.

TRIM RINGS

The standard trim ring (which surrounds the reflector) can be replaced for an optional model with an illuminating edge.

Note: Take care not to disturb the Aria antenna which is adjacent to the locking tab ring.

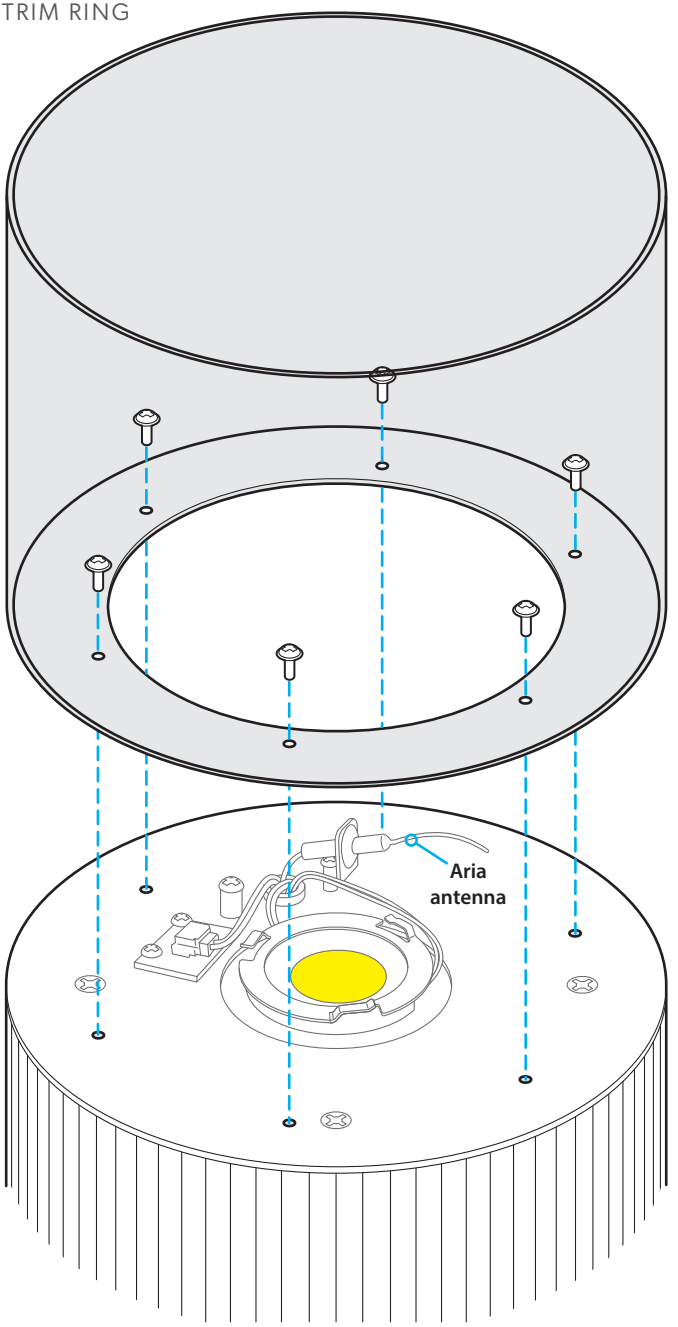
TO CHANGE THE TRIM RING

1 Remove the reflector as discussed on page 11.

2 Remove the six screws which secure the trim ring.

3 Fit the new trim ring, align the six mounting holes and replace the screws to secure it.

4 Replace the reflector as discussed on page 11.



POWER AND CONTROL WIRING

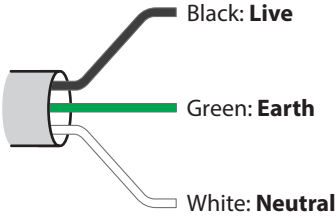
The power and control cords (each roughly twenty feet, 6m in length) are supplied with bare tails.

POWER CONNECTIONS

The power requirements are as follows:

- Voltage: 100-277VAC 50/60Hz
- Power: 135W steady state

The power cord color designations are as follows:



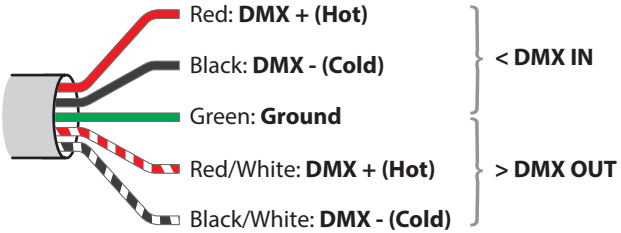
Ensure that the power input is supplied from a correctly fused, earthed and environmentally protected location.

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.

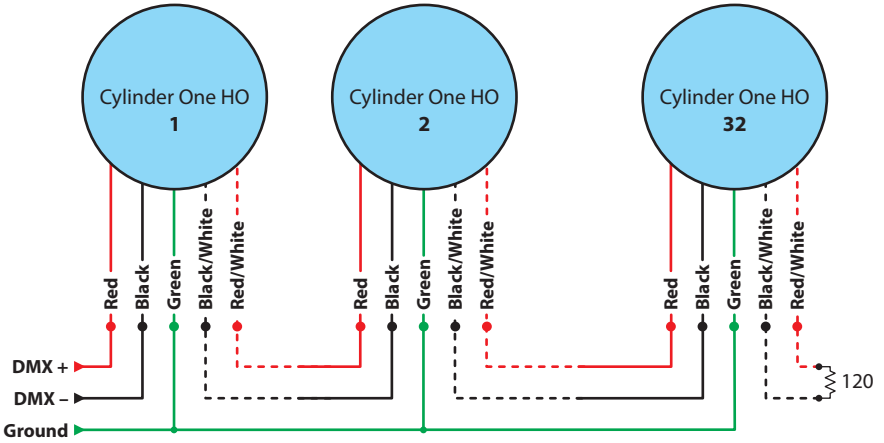
CONTROL CONNECTIONS

The DMX control cord color designations are as follows:



CONTROL CONNECTIONS FOR MULTIPLE FIXTURES

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:

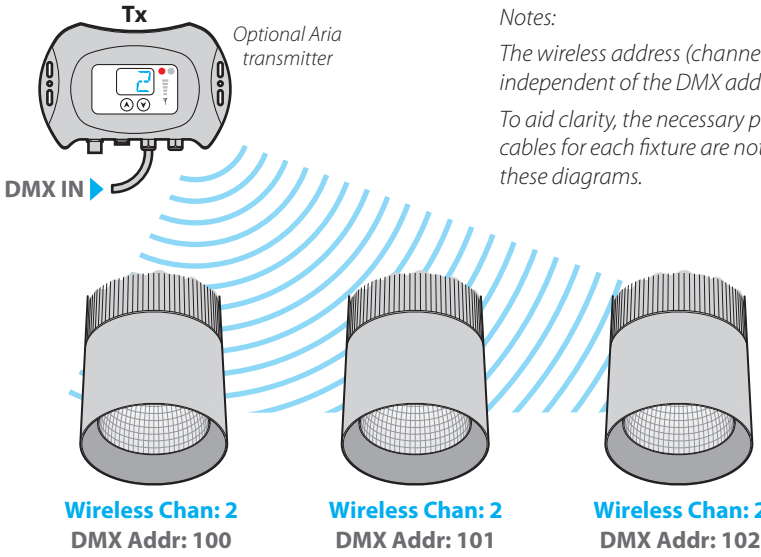


TIPS FOR ACHIEVING SUCCESSFUL DMX CONTROL

- Do not exceed a total cable length of 3,900 ft (1200m) 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.

WIRELESS CONTROL

The embedded Aria™ wireless system allows you to control any number of Cylinder One fixtures that are within range of an Aria transmitter set to use the same wireless address (channel):

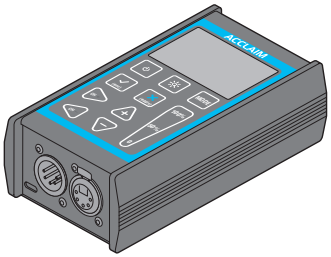


Notes:

The wireless address (channel) is totally independent of the DMX address.

To aid clarity, the necessary power cables for each fixture are not shown in these diagrams.

To configure the wireless feature, an RDM set up tool is required. Although many models work, Acclaim Lighting recommends an XMT 350 when enabling the wireless function and setting the appropriate channel. See page 20 for details.



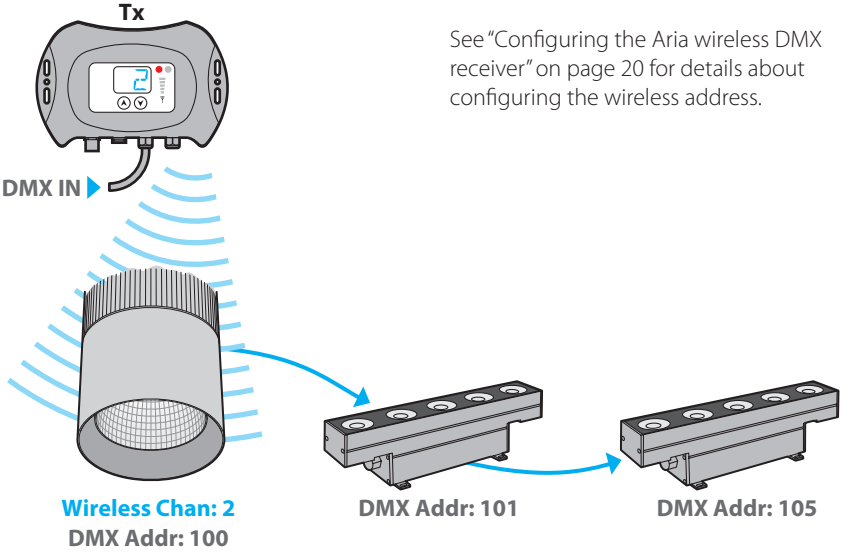
ALWAYS CARRY OUT A SPECTRUM ANALYSIS

Prior to using the Aria™ wireless feature, Acclaim Lighting recommends that you perform a spectrum analysis of the on site radio frequencies to ensure the system will function correctly at the planned location.

Please also see page 25 for details about channel selection.

USING A CYLINDER ONE AS A WIRELESS HUB

When a Cylinder One 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 Pixel Graze), or more, if an active repeater is used.



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

See "Configuring the Aria wireless DMX receiver" on page 20 for details about configuring the wireless address.

OPERATION

Cylinder One 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).

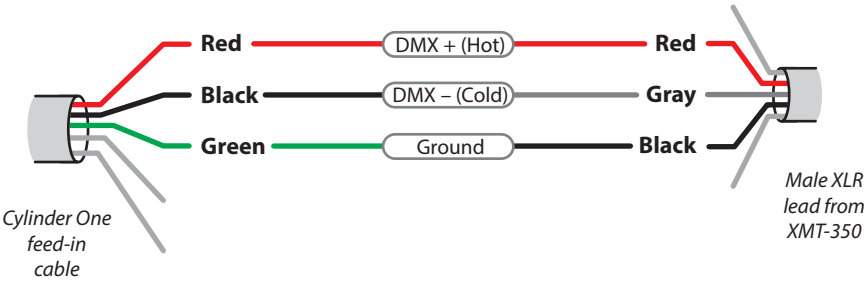
The main items that can be configured on each fixture (via RDM) are:

- DMX address *(see page 18)*
- Aria™ wireless receiver *(see page 20)*

Various third party DMX/RDM tools are available; we recommend the Acclaim Lighting XMT-350 for this task.

MAKING A TEMPORARY CONTROL LINK WITH THE XMT-350

Each Acclaim lighting XMT-350 DMX/RDM tool is supplied with a 5-pin male XLR lead that can be used to make a temporary control input link with the Cylinder One feed-in cable. Use a 3-pin terminal block, wire nuts, conn blocks or Wago® connectors to temporarily join the two cables:



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

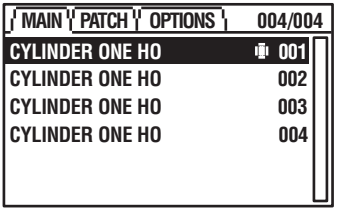
ADDRESSING FIXTURES

TO ADDRESS FIXTURES USING THE ACCLAIM LIGHTING XMT-350

1 Connect the XMT-350 to the DMX input line of either a single fixture or multiple fixtures in a pre-arranged daisy chain configuration (see page 14).

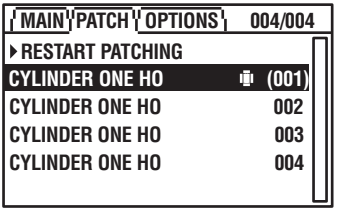
2 Power on the fixture(s) and the XMT-350.

3 On the XMT-350, press the **MODE** button, then use the arrow buttons to highlight the **RDM** function and press the ✓ button to select. The XMT-350 will search for RDM devices and after a short while the XMT-350 will display a list of all located fixtures:



The fixture that is highlighted within the list should begin flashing its emitters to identify itself.

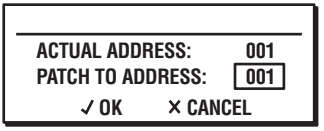
4 On the XMT-350, press the right arrow button to change to the **PATCH** tab:



Note: DMX addresses shown in brackets, e.g. (001), have been temporarily assigned by the XMT-350, but are not yet stored within the fixture(s).

5 If necessary, use the up/down buttons to choose an alternative fixture.

6 Press the ✓ button to set the address for the currently highlighted fixture:



7 Use the up/down buttons to set the required DMX address and then press the ✓ button to store it within the fixture.

8 The highlight will automatically move to the next fixture so that you can address it. Repeat steps 5 to 7 until all fixtures are addressed.

SETTING OTHER OPTIONS

The RDM configuration menu contains several extra settings that allow you to tailor the fixture's operation to suit the installation; these include:

- Aria wireless operation see page 20
- Gamma correction see page 21
- Solo behavior see page 22

TO CONFIGURE OTHER OPTIONS

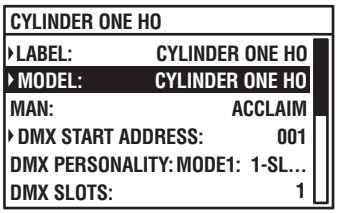
1 Connect the XMT-350 to the DMX input line of either a single fixture or multiple fixtures in a pre-arranged daisy chain configuration.

2 Power on the fixture(s) and the XMT-350.

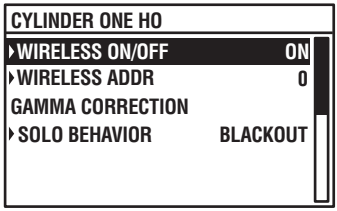
3 On the XMT-350, press the **MODE** button, then use the arrow buttons to highlight the **RDM** function and press the ✓ button to select. The XMT-350 will search for RDM devices and after a short while the XMT-350 will display a list of all located fixtures. The fixture that is highlighted within the list should begin flashing its emitters to identify itself.

4 If necessary, use the up/down buttons to highlight an alternative fixture.

5 Press the ✓ button to view details for the chosen fixture and then use the down button to highlight the **MODEL** entry:



6 Press the ✓ button to view the options:



7 Highlight the required option and press the ✓ button to enter the appropriate submenu. These various options are discussed on the following pages:

- Aria wireless operation see page 20
- Gamma correction see page 21
- Solo behavior see page 22

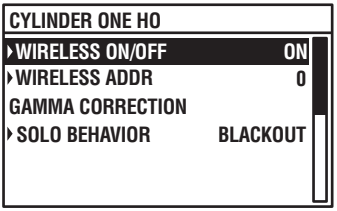
CONFIGURING THE ARIA WIRELESS DMX RECEIVER

Each Cylinder One fixture includes an internal Aria™ wireless DMX receiver unit to allow it to be remotely controlled by an Acclaim Lighting Aria transmitter. Fifteen radio addresses (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. Cylinder One fixtures are shipped with the wireless system enabled (this does not prevent direct control via the cable) and the wireless address (channel) set to 0 as standard. For more details about choosing the most suitable wireless address (channel), see page 25.

Using an RDM (Remote Device Management) tool, you can quickly change between the various DMX personality modes. Various third party DMX/RDM tools are available; we recommend the Acclaim Lighting XMT-350 for this task.

TO CONFIGURE WIRELESS DMX

1 On your XMT-350 (or equivalent RDM device) display the options menu (see page 19).



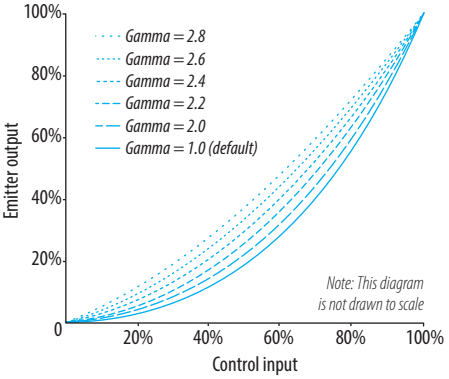
2 Within this menu, you can change the wireless address (channel) and also enable/disable the wireless receiver circuit:

- If the **WIRELESS ON/OFF** entry is set to OFF, highlight the option and press the ✓ button. Use the up/down buttons to select the ON entry and press the ✓ button.
- Highlight the **WIRELESS CHAN** option and press the ✓ button. Use the up/down buttons to select the required address (between 0 and 14) and press the ✓ button. For more details about choosing the most suitable radio address, see page 25.

3 Press the ✕ button to return to the previous screen.

ADJUSTING THE GAMMA CORRECTION

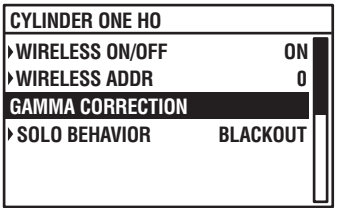
Like most light sources, the manner in which LED emitters operate means they exhibit a non-linear response. This means that to achieve changes in output levels which look proportional and correct to the eye (particularly when filmed), it is necessary to vary the rate of change at the lower and upper ends of the dimming range in comparison to the middle. This is achieved using an in-built dimming response curve.



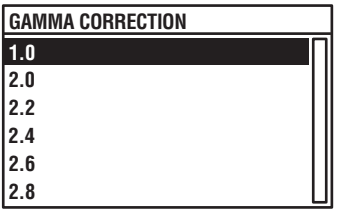
As a high specification fixture, the Cylinder One HO provides the option to adjust the nature of the dimming response curve so that the emitter responds differently for given control input levels. This is referred to as the *Gamma* setting. By default, the gamma setting is set to ***1.0*** to produce a mild and progressive response. If the gamma setting is increased, from ***1.0*** through to ***2.8***, you will notice a higher response to dimming changes, particularly at the lower end. The graph above simulates the effects upon dimming of choosing the various gamma setting options.

TO CONFIGURE GAMMA CORRECTION

1 On your XMT-350 (or equivalent RDM device) display the options menu (see page 19).



2 Highlight the **GAMMA CORRECTION** option and press the ✓ button:



3 Highlight the required gamma setting and press the ✓ button to save and return to the options menu.

4 Press the ✕ button to return to the previous screen.

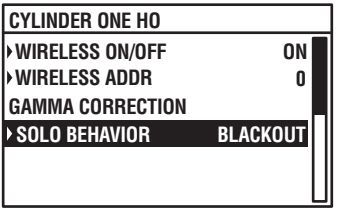
DETERMINING SOLO BEHAVIOR

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 connection has been temporarily lost. There are three solo behavior choices:

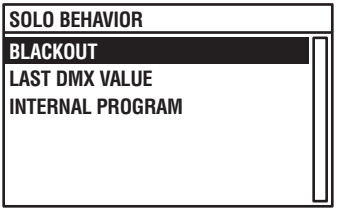
- **Black Out** - In this mode, when no external control is present, the emitter output will be extinguished.
- **Last DMX Value** - In this mode, when no external control is present, the emitter output will remain as per the last received instruction.
- **Internal Program** - In this mode, when no external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

TO CONFIGURE SOLO BEHAVIOR

1 On your XMT-350 (or equivalent RDM device) display the options menu (see page 19).



2 Highlight the **SOLO BEHAVIOR** option and press the ✓ button:



3 Highlight the required behavior setting and press the ✓ button to save and return to the options menu.

4 Press the ✕ button to return to the previous screen.

OPERATION WITH EMERGENCY POWER BACKUP SYSTEMS

As mentioned on page 4, the **SOLO BEHAVIOR** setting is useful if the fixture is to be used as part of an emergency lighting system. In such cases, where the power to the fixture is maintained by a backup system, but the control system may not be maintained; the **Internal Program** option must be used to ensure full intensity in emergency situations.

TESTING EMITTER OUTPUT

After you have addressed each Cylinder One fixture we recommend that you also test each one prior to installation. This can be achieved with your RDM (Remote Device Management) tool. Various third party DMX/RDM tools are available; we recommend the Acclaim Lighting XMT-350 for this task.

TO TEST EMITTER OUTPUT USING THE ACCLAIM LIGHTING XMT-350

1 Connect the XMT-350 to the DMX input line of either a single fixture or multiple fixtures in a pre-arranged daisy chain configuration.

2 Power on the fixture(s) and the XMT-350.

3 On the XMT-350, press the **MODE** button, then use the arrow buttons to highlight the **SEND** function and press the ✓ button to select.

4 Use the arrow buttons to determine the DMX output:

- Use the left and right buttons to choose the DMX address,
- Use the up and down buttons to increase/decrease the level at the chosen address.

Note: If you wish to send DMX values to all addresses simultaneously (rather than cycling through them individually), when the XMT-350 is showing address 001, press the left button once to change to **ALL CHANNELS**. *Now when you set the level it will affect all emitters equally.*

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.
- The fixture continually monitors its internal temperature and will automatically shut off the output circuitry in the event of a cooling fan failure. The internal cooling fan (which spins whenever power is applied) is an ultra quiet model but is audible when in close proximity within a quiet environment. If there is no light output, listen carefully for the cooling fan; if it is not spinning when power is applied then it may have failed, causing an internal shut down.
- 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.

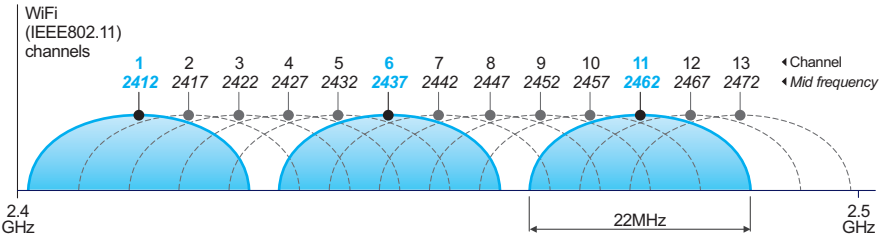
DIMMING AND/OR CHASE CHANGES ARE JERKY WHEN USING ARIA.

- 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.

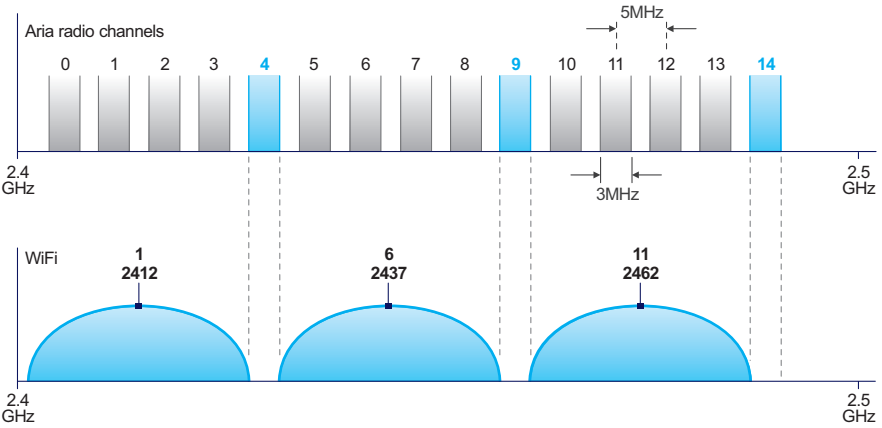
OPTIMIZING SIGNAL STRENGTH VIA CHANNEL SELECTION

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.

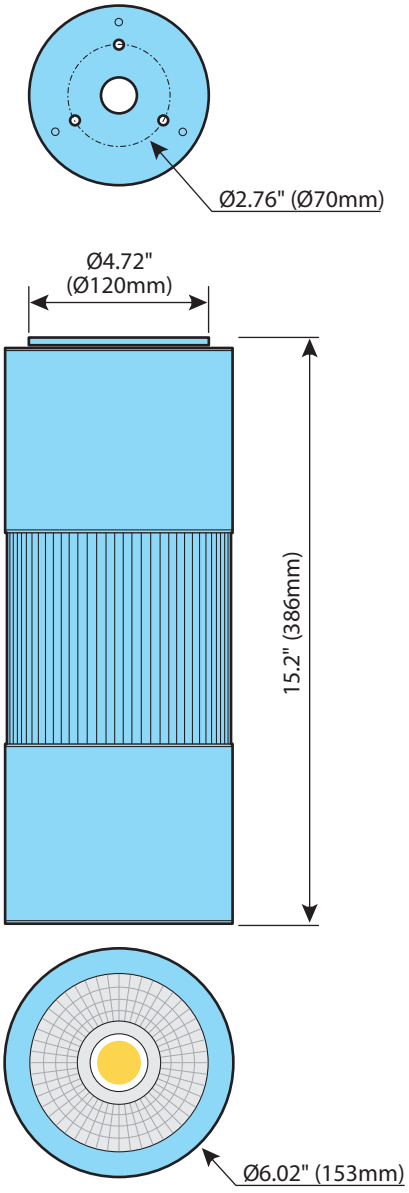
SPECIFICATIONS

Color temperature options	2700K, 3000K, 3500K or 4000K	
Beam angles	15º, 22º, 40º or 70º via quick change reflectors	
Photometrics	Up to 12,000 lumens (99,000 Candela)	
Lumen maintenance (L_{70})	150,000 hours (25ºC)	
Aria™ wireless protocol	2.4GHz, IEEE802.15.4	
Estimated transmission range	Clear line of sight: Through obstructions (walls, etc):	2600 feet (792m) 300 feet (91m)
Selectable radio channels	15	
Aria signal encryption	AES 128	
Housing	Die cast aluminum	
Ingress protection	IP40, dry location	
Impact protection	IK06, protection against 0.7 joule impact	
Power input	100 - 277VAC, 50/60Hz	
Power consumption	135W steady state	
Operating temperature	-4ºF to 113ºF (-20ºC to 45ºC)	
Weight	12.4 lbs (5.6 Kg)	
Certifications	Intertek	

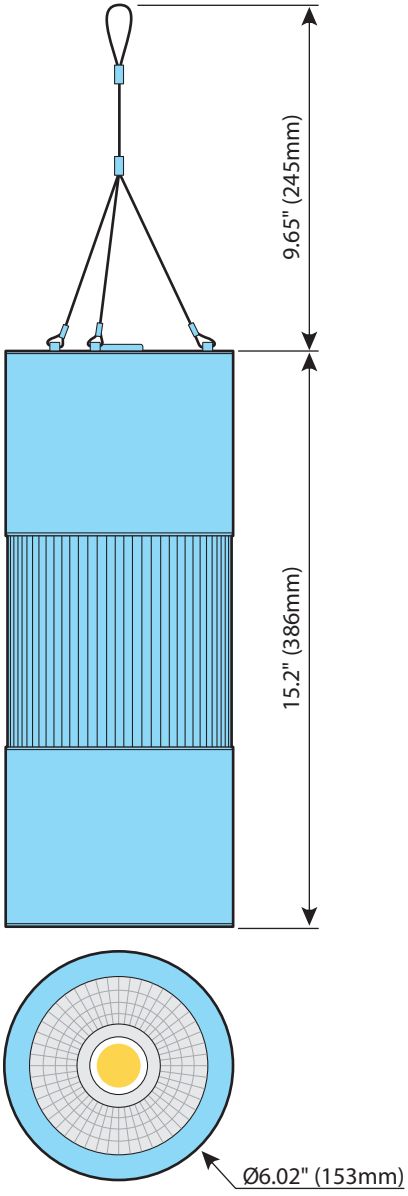
Release 1.2a

DIMENSIONS

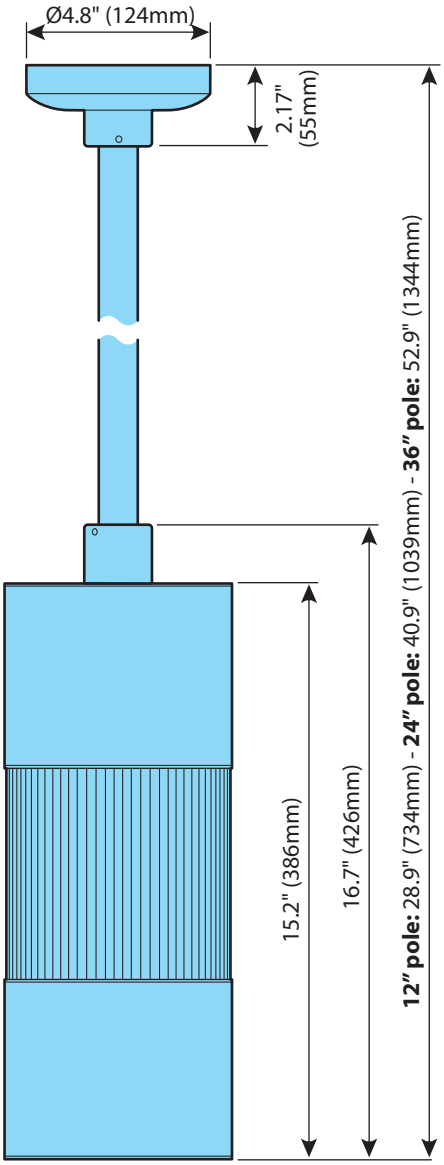
SURFACE MOUNT [TYPE A]

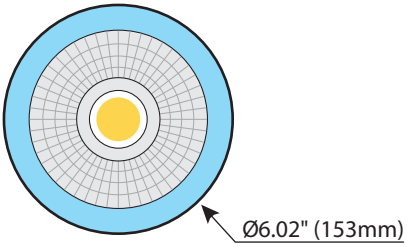


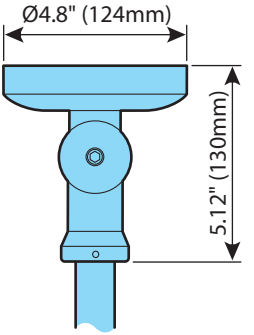
AIRCRAFT CABLE MOUNT [TYPE C]



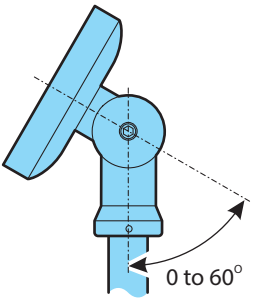
3/4" NPS PENDANT MOUNT [TYPE B]

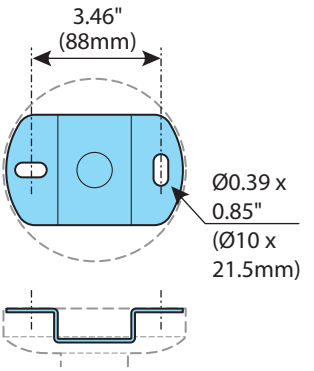






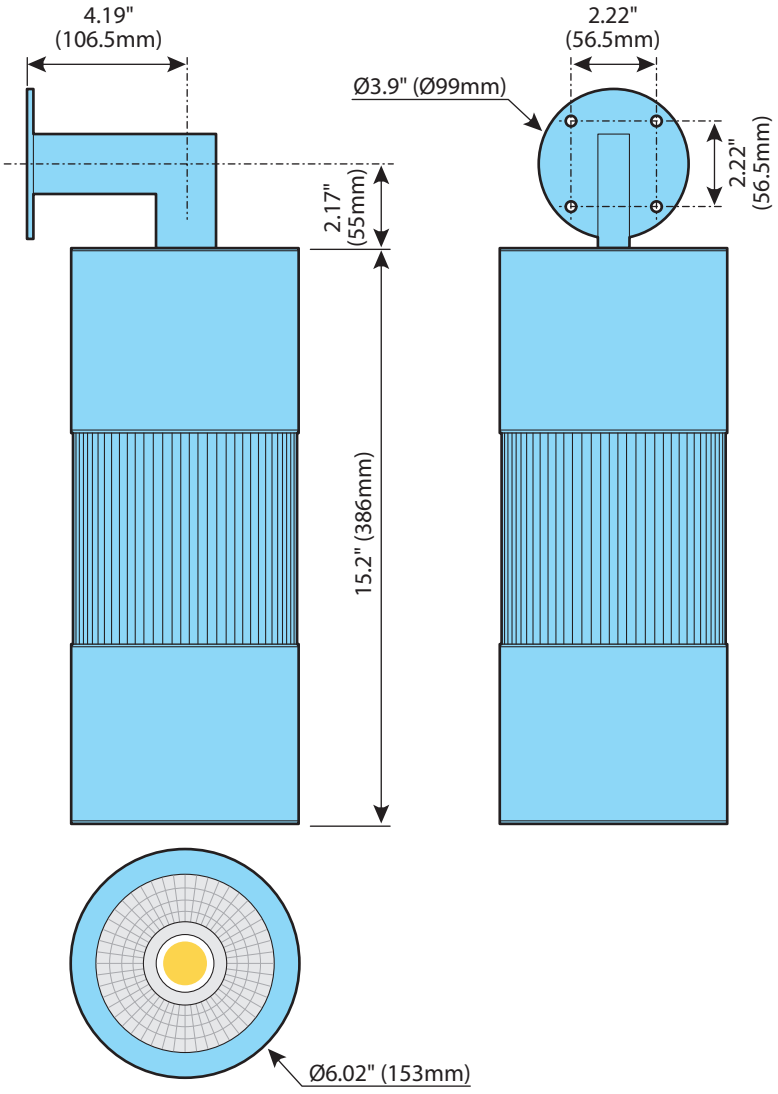
OPTIONAL VAULTED CEILING MOUNT





(Fixed and vaulted bracket internal detail)

WALL MOUNT [TYPE D]



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.

www.acclaimlighting.com