

ATRIA 10

VIBRANT COLOR-CHANGING CYLINDER

Housing

Diameter : Ø9.4" | Height : 20.5" | Weight : 30 lbs

Material

Housing: High Pressure Die-Cast Aluminum

Optics: Metal Reflector

Power Input

W+RGB:

100W (White= 50W, RGB=50W) | 120-277V

200W TypeA (White=100W, RGB=100W) | 120V-277V

200W TypeB (White=150W, RGB=50W) | 120V-277V

W+Hue:

100W (White=66W, HSV=33W) | 120-277V

200W (White=132W, HSV=66W) | 120V-277V

Lumen Output

W+RGB: 6,145 lm (100W), 13,255 lm (200W TypeA), 14,145 lm (200W TypeB)

W+Hue: 7,210 lm (100W), 16,050 lm (200W)

Dimming

DMX : High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

Color Quality

CRI 85

Rated Life

> 100,000 Hours (L70)

Finish



Black



White

Color Temperature



3000K



Archi-Color™

Optics



45°



55°



Wide

Mounting



Stem Mount



Adjustable Cable



Wall Mount



Yoke Mount

Warranty

5 Year limited warranty

Listing



Architecture + Color combined.

The Atria 10 cylinder with Archi-Color™ is a high-performing cylinder that offers true independent white light for commercial spaces, as well as unlimited chromatic possibilities to elevate spaces with dynamic light.

This cylinder is perfect for archtainment commercial spaces such as convention centers, performance venues, arts, auditoriums, and houses of worship.



METEOR

meteor-lighting.com

ATRIA 10

VIBRANT COLOR
CHANGING CYLINDER

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

AS10	MODEL	ATRIA 10		
<input type="text"/>	WATTAGE	100 100W 200B² 150W/50W (White=150W, RGB=50W)	200¹ 200W	200A² 100W/100W (White=100W, RGB=100W)
<input type="text"/>	CCT / CRI	308C 3000K + RGB / CRI 85 Archi-Color™ W+RGB	308U 3000K + RGB / CRI 85 Archi-Color™ W+Hue	
UNV	VOLTAGE	UNV 120 – 277V		
<input type="text"/>	DIMMING	DMX DMX dims to 0.1% (XLR Sockets)	DMX(RJ45) DMX dims to 0.1% (RJ45 Sockets)	DMXP DMX dims to 0.1% (Terminal Block)
<input type="text"/>	BEAM ANGLE	45 45°	55 55°	WD³ Wide
<input type="text"/>	FINISH	BLK Black	WHT White	
<input type="text"/>	MOUNTING	ST2 Stem 2ft SAD Sloped Adjustable Cable 10ft	ST4 Stem 4ft WLM⁴ Wall Mount	AD10 Adjustable Cable 10ft YKM Yoke Mount
<input type="text"/>	ACCESSORIES	NO No Accessories CT⁷ Conduit Mount	SPD⁵ Surge Protector FCS⁸ Field Cut Stem Adapter Kit	HC⁶ Honeycomb Louver

¹ Option is only compatible with 308U

² Option is only compatible with 308C

³ Please factor in change in lumen output with WD -20%

⁴ Wall Mount DMX wiring is through 3 DMX Positive / Negative / Common wires

⁵ Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries

⁶ Please factor in change in lumen output of -30%

⁷ CT only compatible with ST and AD mounting types

⁸ Option is not compatible with outdoor or natatorium configurations

TECHNICAL DETAILS

Electrical

- Archi-Color™ W+RGB:
 - 6,145 lm (100W | White = 50W, RGB = 50W)
 - 13,255 lm (200W TypeA | White = 100W, RGB = 100W)
 - 14,145 lm (200W TypeB | White = 150W, RGB = 50W)
- Archi-Color™ W+Hue:
 - 7,210 lm (100W | White = 66W, HSV = 34W)
 - 16,050 lm (200W | White = 132W, HSV = 66W)
- Power Input: Universal (120-277V)
- Operating Temperature: -13°F~112°F
- Surge Protection: Built-in is 4KV
- Power Factor Greater than 0.9

LED Features

- Color Temperature: 3000K + Archi-Color™ W+RGB / W+Hue
- CRI 85
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 100,000 Hrs
- Lumen Maintenance > 0.90 at 60,000 hours

Optics

- Precision molded high transmittance clear PC lens
- Beam Angle: 45°, 55°, WD

Advanced Dimming

- Proprietary VX Driver™ is incorporated to all dimming options for video flicker-free lighting
- DMX: High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

Housing

- Diameter: Ø9.4"
- Height: 20.5"
- Material: High Pressure Die-Cast Aluminum, Metal Reflector
- Weight: 30 lbs

Mounting

- Stem 2ft or 4ft; 45° Swivel Canopy Included
- Adjustable Cable 10ft
- Sloped Adjustable Cable 10ft
- Wall Mount
- Yoke Mount

Warranty

- 5-year limited warranty

Listing

- ETL Wet Location Listed
- CE
- UKCA
- FCC

PERFORMANCE SUMMARY*

Lumen Performance (W+RGB)				
100W	R	G	B	W
	220lm	1,700lm	210lm	4,015lm
200W Type A	R	G	B	W
	615lm	4,075lm	485lm	8,080lm
200W Type B	R	G	B	W
	220lm	1,700lm	210lm	12,015lm

*Beam Angle: 60° *Tolerance ±8%

Wattage (W+RGB)				
Channel Fixture Wattage	R	G	B	W
	17W	17W	17W	50W
200W Type A	33W	33W	33W	100W
200W Type B	17W	17W	17W	150W

Lumen Performance (W+Hue)				
100W	R	G	B	W
	310lm	2,880lm	350lm	4,330lm
200W	R	G	B	W
	930lm	7,330lm	870lm	8,720lm

*Beam Angle: 60° *Tolerance ±8%

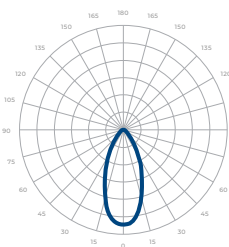
Wattage (W+Hue)		
Channel Fixture Wattage	HSV*	W
	33W	66W
200W	66W	132W

*The output power of any color generated through the three channels of HSV.

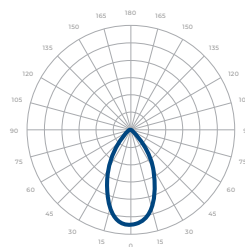
Current Consumption		
Voltage Fixture Wattage	120V	277V
	0.9A	0.45A
200W	1.8A	0.9A

PHOTOMETRICS

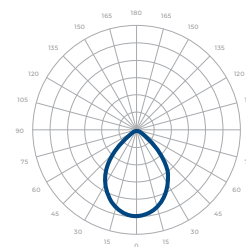
Below is a typical photometric representation of the Atria 10 fixture. Please download IES files to ensure exact photometric value.



45°



55°



Wide

DMX REQUIREMENTS

The Atria 10 Archi-Color™ fixture with DMX is a **four channel dmx** unit. When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

DMX Address (W+RGB)				
Channel Fixture	Red Control (ex. X)	Green Control (ex. X+1)	Blue Control (ex. X+2)	White Control (ex. X+3)
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

DMX Address (W+Hue)				
Channel Fixture	Hue (H)	Saturation (S)	Value / Intensity (V)	White Control (W)*
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

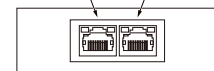
*The White Control channel adjusts the brightness of 3000K LEDs.

DMX REQUIREMENTS

The fixture can be connected with RJ45 or XLR sockets. DMX cables **are not** included; please refer to compatible DMX cabling list for more information. The final fixture on each daisy chain should be terminated by the use of a DMX terminator purchased from a 3rd party or from Meteor.

CONNECTION	RJ45 (CAT5e)	5-PIN XLR
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)	PIN 1
Signal -	ORANGE (PIN 2)	PIN 2
Signal +	WHITE/ORANGE (PIN 1)	PIN 3
Spare	-	PIN 4
Spare	-	PIN 5

DMX IN DMX OUT



RJ45 Sockets



DMX IN DMX OUT

XLR Sockets

COMPATIBLE DMX CABLING LIST

DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable must not be used to carry DMX. Network cable (Cat5, 5e or 6 cable) may be used to carry DMX in an installation; however special consideration must be given to shielding and termination. Under no circumstances should solid core cable like Cat5 be terminated into a screw down connector.

Meteor recommends the use of Belden 9729 or Belden 9841 for DMX installation. Belden 9729/9841 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed.

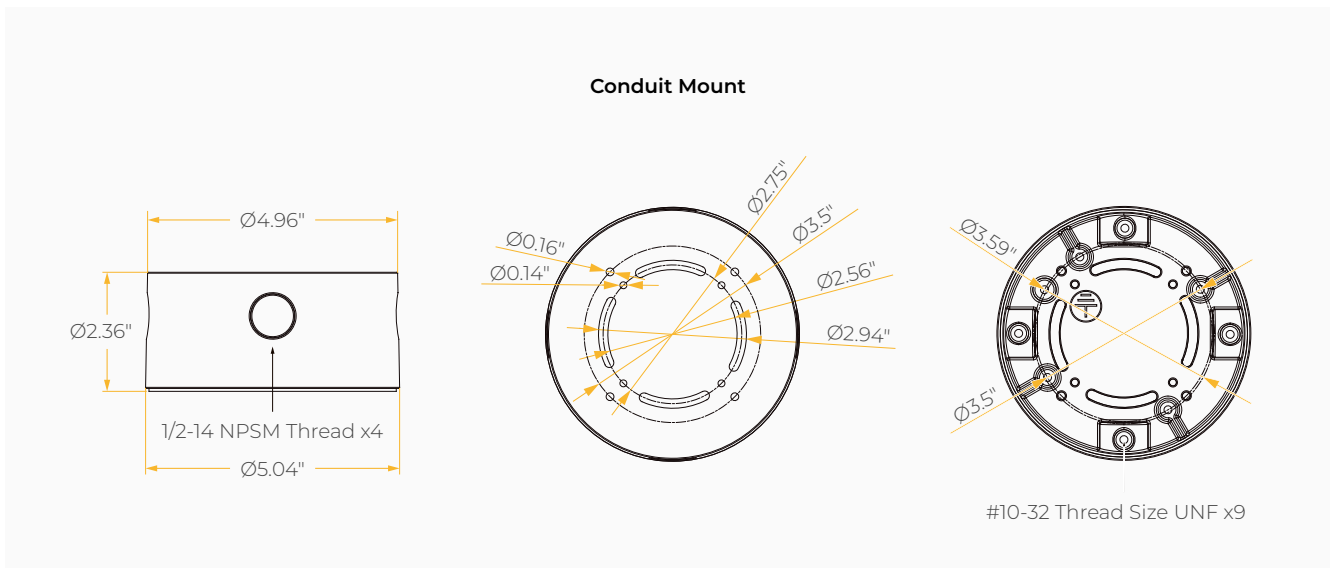
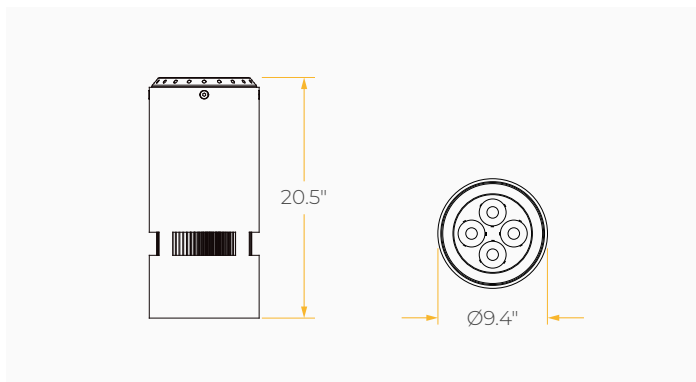
COLOR TEMPERATURE CHART

This color temperature chart provides the precise values required to recreate specific color temperatures.

Color Temperature Chart (W+Hue)				
Channel	1	2	3	4
COLOR/CCT	Hue (H)	Saturation (S)	Value / Intensity (V)	White Control (W)*
RED	0	255	255	0
GREEN	85	255	255	0
BLUE	170	255	255	0
1900K	16	255	255	90
2700K	22	255	255	200
3000K	28	255	255	255
3500K	42	225	255	255
4000K	70	165	255	255
4500K	85	150	255	255
5000K	120	215	255	255
6500K	132	255	255	237

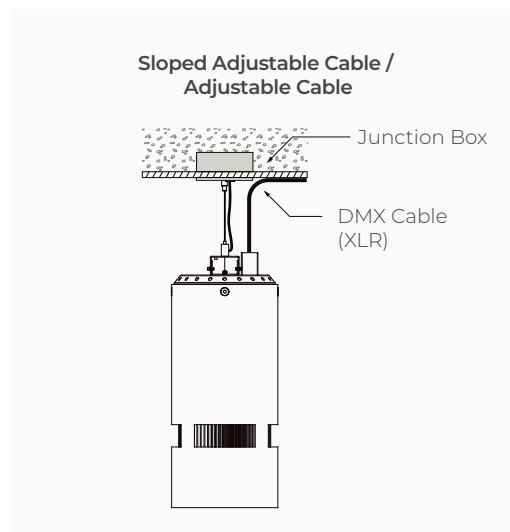
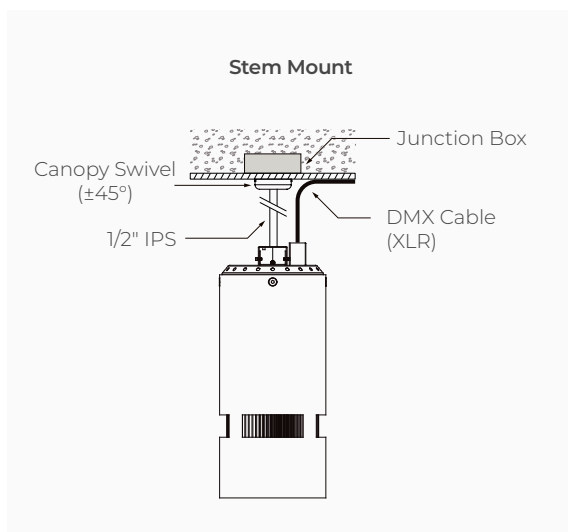
*The White Control channel adjusts the brightness of 3000K LEDs.

DIMENSIONS



MOUNTING OPTIONS*

*Junction box not included

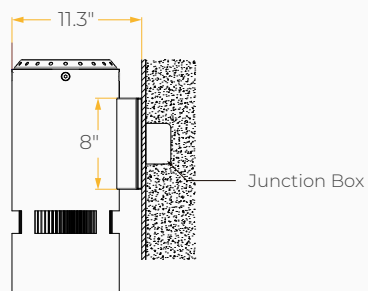


ATRIA 10 VIBRANT COLOR CHANGING CYLINDER

MOUNTING OPTIONS*

*Junction box not included

Wall Mount



Yoke Mount

