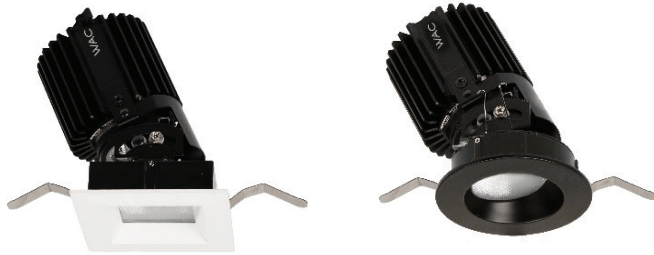


# Atmosphere Pro 2.5"

## A1RA-A Adjustable Trim

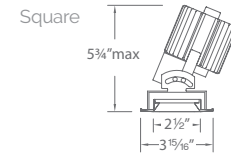
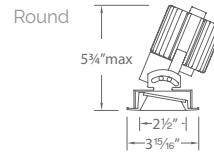


Fixture Type:

Catalog Number:

Project:

Location:



Model	Beam		Lumens Reference Output*	CBCP	Color Temp	CRI	Finishes	Reflector/Trim	
A1RA-A48 Round Trim A1RA-A58 Square Trim	N 25°	Round	565	2810	C1	2700-6500K	98	BK	Black
		Square	640	3190				BKWT	Black/White
	F 35°	Round	645	2145				CB	Copper Bronze
		Square	810	2710				HZ	Haze
	N 25°	Round	620	3070				HZWT	Haze/White
		Square	705	3500				WT	White
F 35°	Round	600	1975						
	Square	760	2495						

Example: A1RA-A48N-C1WT

\*Reference output shows 3000K trim with 2 housing. Use multiplier table below to determine the output for other combinations.

Lumens & CBCP Multiplier		COLOR TEMPERATURE					
HOUSING POWER LEVEL		2700K	3000K	3500K	4000K	5000K	6500K
C1 (2700K-6500K)	2 (22W)	0.96	1.00	1.06	1.09	1.12	1.11
	1 (15W)	0.65	0.68	0.72	0.74	0.76	0.75
C2 (2700K-6500K)	HOUSING POWER LEVEL	1800K	2200K	2700K	3000K	3500K	4000K
	2 (22W)	0.68	0.82	0.94	1.00	1.07	1.11
	1 (15W)	0.46	0.56	0.64	0.68	0.73	0.75

### DESCRIPTION

Atmosphere Pro recessed series represents an innovation in design and technology for architectural lighting. This high lumen and adaptable family of fixtures with a comprehensive set of round and square fittings, affords a sustainable solution for commercial, corporate, and upscale residential applications.

### FEATURES

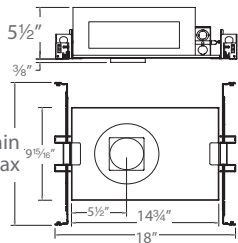
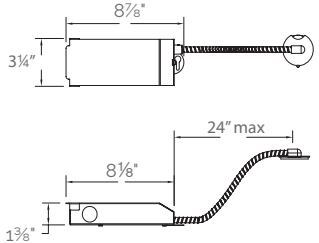
- Natural and Vivid Precision LED CCT tuning
- Center beam alignment retained throughout adjustment range
- 0-45° vertical and 365° horizontal lockable hot aiming
- Indexed vertical scaling for precise and accurate alignment
- Integral patterned tempered trim lens included standard
- Compatible with wide range of accessories
- Dual finishes are single piece, no physical seams
- 8 year product warranty

### SPECIFICATIONS

- Construction:** Durable die-cast self-flanged aluminum construction
- Input:** Universal 120 - 277V AC 50/60 Hz
- Dimming:** 2 Channel 0-10V: 100-0.1%;  
2 Channel DMX 512 RDM: 100-0.1%  
Linear dimming, 1<sup>st</sup> input channel intensity changing, 2<sup>nd</sup> input channel is CCT changing.
- Light Source:** High output 3-step Mac Adam Ellipse COB  
Rated life of 50,000 hours at L70
- Mounting:** Heavy gauge retention clips support trim firmly. Safety cabling standard.  
Ceiling cut out Round Trimmed: Ø 3 3/8"  
Invisible Trim: Ø 4 1/4"  
Ceiling cut out Square Trimmed: 3 3/8" x 3 3/8" Invisible Trim: 4 1/4" x 4 1/4"  
Accommodates 1/2" - 1 1/2" ceiling thickness
- Finish:** Electrostatically powder coated White, Black, Enamel coated Haze. Plated and brushed Copper Bronze.
- Standards:** ETL & cETL Wet location Listed

# Atmosphere Pro 2.5"

## A1RA-A Adjustable Trim

	Model	Trim	Power	Driver	Line Drawings
New Construction Airtight	<b>A1RA-24</b> Round	6 Trim	1 15W IC	<b>CT-X</b> DMX	
	<b>A1RA-25</b> Square	7 Invisible Trim	2 22W Non-IC	<b>CT-Z</b> 0-10V	
Remodel Non-IC	<b>A1RA-366</b> Round & Square	Trim	1 15W Non-IC	<b>CT-X</b> DMX	
	<b>A1RA-347</b> Round	Invisible Trim	2 22W Non-IC	<b>CT-Z</b> 0-10V	
	<b>A1RA-357</b> Square				

Example: **A1RA-3661-CT-X**

### WOOD AND METAL CEILING ADAPTERS

Round

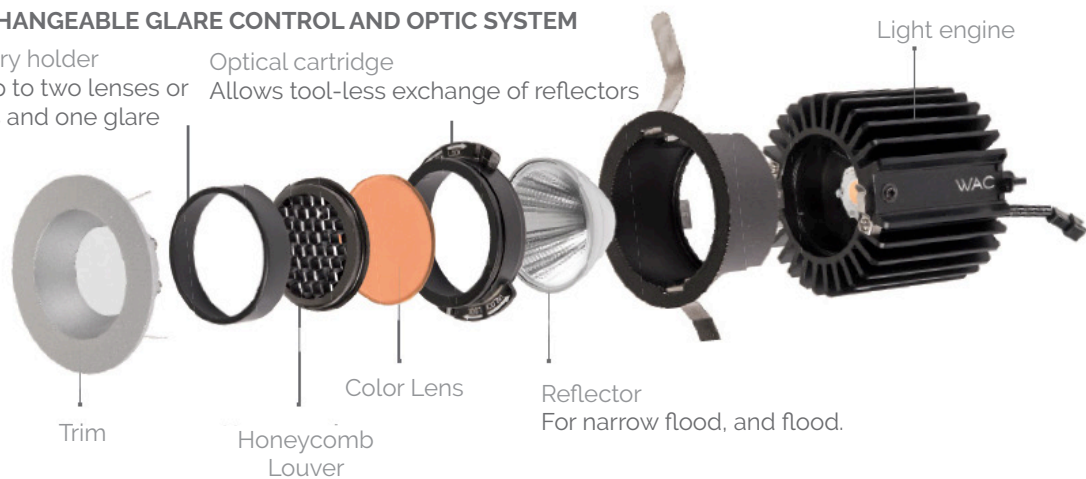
- A1RA-4-ADP1** 1/2" to 1" ceiling thickness
- A1RA-4-ADP2** 1" to 1 1/2" ceiling thickness

Square

- A1RA-5-ADP1** 1/2" to 1" ceiling thickness
- A1RA-5-ADP2** 1" to 1 1/2" ceiling thickness

### FIELD CHANGEABLE GLARE CONTROL AND OPTIC SYSTEM

Accessory holder Holds up to two lenses or one lens and one glare control  
 Optical cartridge Allows tool-less exchange of reflectors



#### ACCESSORY HOLDER sold separately

- LENS-16-HLD** Required for use with any lens or accessory

#### INTERCHANGEABLE REFLECTORS

- REF-R2-N** Narrow Flood beam
- REF-R2-F** Flood beam

#### LENS ACCESSORIES

- |                |            |                 |
|----------------|------------|-----------------|
| <b>LENS-16</b> | <b>AMB</b> | Amber           |
|                | <b>RED</b> | Red             |
|                | <b>FR</b>  | Frosted         |
|                | <b>SPR</b> | Spread          |
|                | <b>BEL</b> | Beam Elongating |

#### GLARE CONTROL ACCESSORIES

- |                |            |                  |
|----------------|------------|------------------|
| <b>LENS-16</b> | <b>HCM</b> | Honeycomb Louver |
|                | <b>CRL</b> | Cross Louver     |



### Natural White CCT Tuning:

The CCT of an Atmosphere fixture may be adjusted.

Using the DMX byte values in the adjacent table mapped to CH1 and CH2 of the desired output, the Atmosphere fixture may be tuned in increments of 100K (Kelvin) from 2700K to 6500K for C1 and 1800K to 4000K for C2, at full intensity.

**Note:** Through compatible RDM tool, fixture channels can be reassigned to desired consecutive channels. Factory default is DMX channel 1 and 2.

### ATMOSPHERE PRO 2.5" DMX Value vs CCT

#### C1 DMX

#### Byte Values at Full Intensity

CCT (K)	CH1: Intensity	CH2: CCT
6500	255	252
6400	255	249
6300	255	245
6200	255	241
6100	255	238
6000	255	232
5900	255	229
5800	255	228
5700	255	222
5600	255	217
5500	255	212
5400	255	208
5300	255	204
5200	255	199
5100	255	194
5000	255	190
4900	255	185
4800	255	179
4700	255	173
4600	255	168
4500	255	160
4400	255	152
4300	255	144
4200	255	138
4100	255	131
4000	255	123
3900	255	115
3800	255	107
3700	255	98
3600	255	89
3500	255	80
3400	255	71
3300	255	62
3200	255	51
3100	255	41
3000	255	30
2900	255	16
2800	255	4
2700	255	0

#### C2 DMX

#### Byte Values at Full Intensity

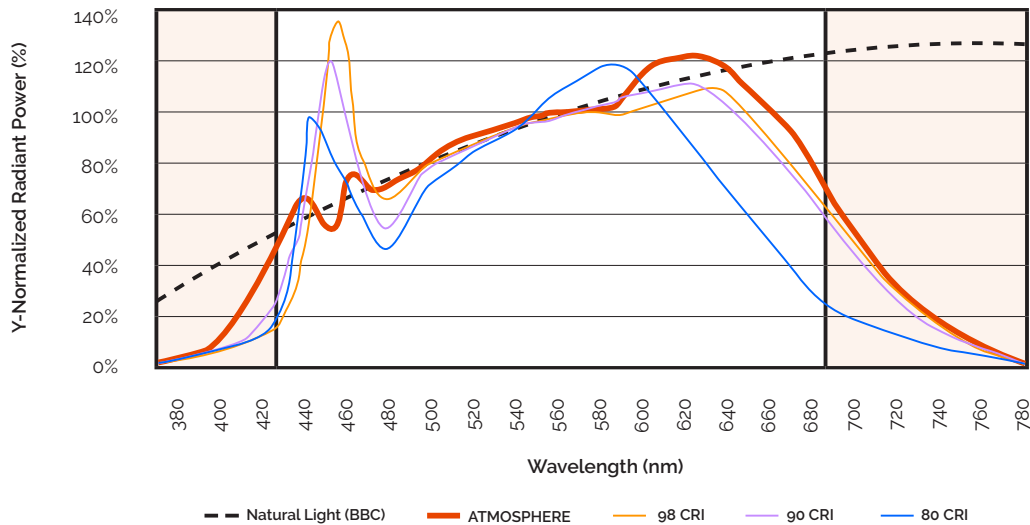
CCT (K)	CH1: Intensity	CH2: CCT
4000	255	255
3900	255	253
3800	255	247
3700	255	241
3600	255	233
3500	255	225
3400	255	219
3300	255	210
3200	255	202
3100	255	193
3000	255	185
2900	255	176
2800	255	166
2700	255	154
2600	255	141
2500	255	126
2400	255	109
2300	255	82
2200	255	79
2100	255	64
2000	255	46
1900	255	26
1800	255	0



## Spectral Matching to Natural Light

- As close of a spectral match as possible to natural light
- Standard LED light sources spectral distribution (SPD) have larger deviations from the Blackbody Curve (BBC)
- ATMOSPHERE significantly reduces the blue spike and cyan valley to deliver a closer match to natural light

**4000K Spectral Comparison BBC vs LED**



SPD's of LED light sources at 4000K against the blackbody curve.

These examples deviate from the natural light that humans have evolved under for millions of years. It is recommended to work within the realm of natural light to avoid tweaking circadian rhythms until the effects on humans are understood.