

Atmosphere 4.5"

Trimless Housing



SPECIFICATIONS

| | |
|----------------------|---|
| Construction: | 20 Gauge cold rolled steel Diecast spackle flange included |
| 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. 1st input channel intensity changing, 2nd input channel is CCT changing. |
| Mounting: | New construction housings included with universal mounting brackets and hanger bars (Min. 14 1/2" & Max. 24 1/2") Ceiling cut out (Round): Ø 5 1/8" Ceiling cut out (Square): 5 1/8" x 5 1/8" New Construction Ceiling Thickness: See Chart Below Remodel ceiling thickness: 1/2-1" |

Fixture Type:

Catalog Number:

Project:

Location:

Standards: ETL & cETL

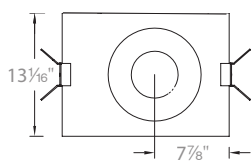
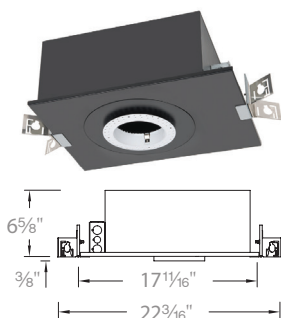
Warranty: 5 year product warranty

HOUSINGS

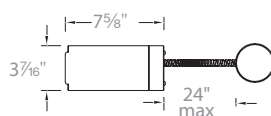
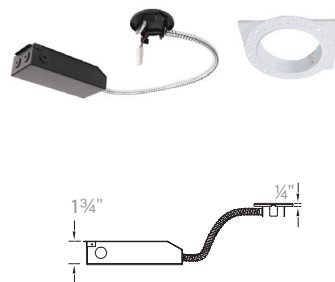
| Model | Power | Rating | Driver |
|---|-------------------------|---|------------------------|
| New Construction A1RB-247 Round | 1 20W 2 29W 3 44W | IC Airtight IC Airtight Non IC Airtight | CT-X DMX CT-Z 0-10V |
| New Construction A1RB-257 Square | | | |
| Remodel A1RB-347 Round A1RB-357 Square | 1 20W 2 29W 3 44W | Non-IC Non-IC Non-IC | |

Example: **A1RB-2473-CT-X**

LINE DRAWINGS



New Construction



Remodel

NEW CONSTRUCTION CHART

| Trim Model | Trim Description | Ceiling Thickness | | |
|---------------|-----------------------------|-------------------|-------------|-------------|
| | | 1/2" | 1" | 1 1/2" |
| A1RB-D | Downlight | Yes | Yes | Yes |
| A1RB-S | Shallow Regressed Downlight | Yes | Yes | Yes |
| A1RB-A | Adjustable | Yes, to 45° | Yes, to 45° | Yes, to 35° |
| A1RB-W | Wall Wash | Yes | Yes | No |

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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 2.5" DMX Value vs CCT

| C1 DMX Byte Values at Full Intensity | | | C2 DMX Byte Values at Full Intensity | | |
|---|--------------------|--------------|---|--------------------|--------------|
| CCT (K) | CH 1: Intensity | CH 2: CCT | CCT (K) | CH 1: Intensity | CH 2: CCT |
| 6500 | 255 | 252 | 4000 | 255 | 255 |
| 6400 | 255 | 249 | 3900 | 255 | 253 |
| 6300 | 255 | 245 | 3800 | 255 | 247 |
| 6200 | 255 | 241 | 3700 | 255 | 241 |
| 6100 | 255 | 238 | 3600 | 255 | 233 |
| 6000 | 255 | 232 | 3500 | 255 | 225 |
| 5900 | 255 | 229 | 3400 | 255 | 219 |
| 5800 | 255 | 228 | 3300 | 255 | 210 |
| 5700 | 255 | 222 | 3200 | 255 | 202 |
| 5600 | 255 | 217 | 3100 | 255 | 193 |
| 5500 | 255 | 212 | 3000 | 255 | 185 |
| 5400 | 255 | 208 | 2900 | 255 | 176 |
| 5300 | 255 | 204 | 2800 | 255 | 166 |
| 5200 | 255 | 199 | 2700 | 255 | 154 |
| 5100 | 255 | 194 | 2600 | 255 | 141 |
| 5000 | 255 | 190 | 2500 | 255 | 126 |
| 4900 | 255 | 185 | 2400 | 255 | 109 |
| 4800 | 255 | 179 | 2300 | 255 | 82 |
| 4700 | 255 | 173 | 2200 | 255 | 79 |
| 4600 | 255 | 168 | 2100 | 255 | 64 |
| 4500 | 255 | 160 | 2000 | 255 | 46 |
| 4400 | 255 | 152 | 1900 | 255 | 26 |
| 4300 | 255 | 144 | 1800 | 255 | 0 |
| 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 | | | |



Spectral Matching to Natural Light

- ATMOSPHERE technology delivers optimized spectral syncing to natural light in a tunable white solution
- ATMOSPHERE maximizes the emotional elements of light and color to deliver a first class human experience
- ATMOSPHERE significantly reduces the blue spike and cyan valley to deliver a closer match to natural light

What is Human Centric Lighting (HCL)

- Throughout evolution, the human visual system has evolved under the natural light of sun and fire.
- Human-centric lighting by definition encompasses the effects of lighting on the physical and emotional being of people.
- As part of the HCL initiative, there is a drive to develop "natural" sources of lighting. The human species has been conditioned to function in daylight hours by the light of the sun, and after dusk, of the warm glow of fire. Thus, we define natural light sources as those which match the spectral distribution of sunlight and firelight.

Human Centric Light Spectrum

| FEATURES | BENEFITS |
|---|--|
| Spectrum engineered to closely emulate natural light with reduced short blue wavelength intensity | Full, consistent light spectrum with fewer spectral spikes, the closest match to natural light available |
| Natural and vivid color rendering | Typical 98 CRI. Excellent TM-30 metrics; Skin tones and artwork render impeccably |
| High efficacy human-centric spectra | Greater energy savings, lower utility and environment costs |
| Affordable spectra optimized for humans | Accelerate adoption of full spectrum natural lighting |