

# REV 4

## QUIET CEILING DESIGN HIGH LUMEN RECESSED DOWNLIGHT

### Housing

Aperture : Ø4.3" | Oversize Trim : 5.3" | Ceiling Cutout : 5"  
Maximum Ceiling Thickness : 2" | Height : 8" | Weight : 8.8 lbs

### Material

Housing : Extruded Aluminum  
Reflector : Flow Forming Aluminum

### Power Input

W+RGB:  
50W(White=25W, RGB=25W) | 120-277V  
W+Hue:  
50W(White=33W, HSV=17W) | 120-277V

### Lumen Output

W+RGB: 3,250 lm (50W)  
W+Hue: 3,860 lm (50W)

### Dimming

DMX : High resolution dims to 0.1%

### Color Quality

CRI 85

### Rated Life

> 60,000 Hours (L70)

### Finish



Black



White

### Color Temperature



3000K

+



Archi-Color™

### Optics



45°



55°

### Warranty

5 Year limited warranty

### Listing

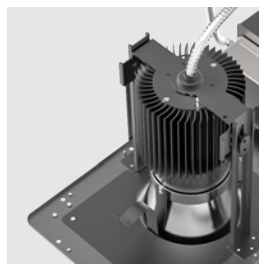
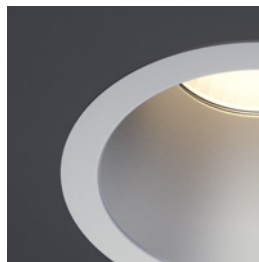


## SPECIFICATION SHEET ARCHI-COLOR™ W+RGB & W+HUE NEW CONSTRUCTION

## Precision Engineered For High Performance.

4-inch aperture high lumen recessed downlight utilizing Meteor Lighting's proprietary Archi-Color™ solution, that gives you True White light and unlimited RGB possibilities.

This product is compatible with all DMX control systems and follows ANSI E1.20 RDM protocol. You can now get white and RGB colors all from a single light source.



# METEOR

[meteor-lighting.com](https://meteor-lighting.com)

**SPECIFICATION**

PROJECT NAME

DATE

CATALOG #

QUANTITY

<b>RS4N</b>	MODEL	<b>REV 4 WITH NEW CONSTRUCTION FRAME</b>		
<b>50W</b>	WATTAGE	<b>50</b> 50W		
	CCT / CRI	<b>308C</b> 3000K + RGB / CRI 85 Archi-Color™ W+RGB	<b>308U</b> 3000K + RGB / CRI 85 Archi-Color™ W+Hue	
	VOLTAGE	<b>120</b> 120V	<b>277</b> 277V	
	DIMMING	<b>DMX</b> DMX dims to 0.1% (XLR Sockets)	<b>DMX(RJ45)</b> DMX dims to 0.1% (RJ45 Sockets)	<b>DMXP</b> DMX dims to 0.1% (Terminal Block)
	BEAM ANGLE	<b>45</b> 45° with Standard Trim	<b>55</b> 55° with Low Trim	
	FINISH*	<b>BLK</b> Black	<b>WHT</b> White	
	ACCESSORIES	<b>NO</b> No Accessories	<b>SCA410</b> Sloped Ceiling Adapter 8°-12°	

\* Finish indicates Trim only, with standard matte silver reflector.

## TECHNICAL DETAILS

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### Electrical

- Archi-Color™ W+RGB:  
3,250 lm (50W | White = 25W, RGB = 25W)
- Archi-Color™ W+Hue:  
3,860 lm (50W | White = 33W, HSV = 17W)
- 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 @ 60,000 Hrs

### Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 45°, 55° (Low Trim only)

### 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)

### New Construction Housing

- Aperture : Ø4.25"
- Height : 8"
- Weight : 8.8 lbs
- Material : High Pressure Aluminum
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 5.3"
- Ceiling Cutout : 5"
- Maximum Ceiling Thickness : 2"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling

\*Note: C-Channel / Mounting Channels / T-Bar Hangers are purchased from a third party

### Warranty

- 5-year limited warranty

### Listing

- ETL Damp Location Listed
- FCC
- CE
- UKCA

**PERFORMANCE SUMMARY\***

Lumen Performance (W+RGB)				
	R	G	B	W
50W	120lm	1,000lm	115lm	2,015lm

Wattage (W+RGB)				
Channel	R	G	B	W
Fixture Wattage				
50W	8W	8W	8W	25W

Lumen Performance (W+Hue)				
	R	G	B	W
50W	170lm	1,690lm	190lm	2,170lm

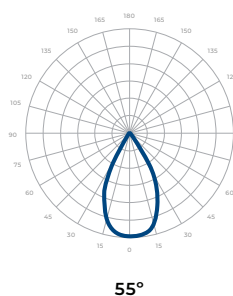
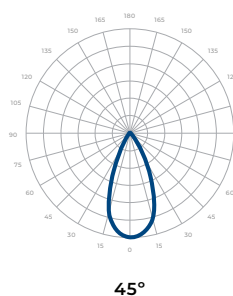
Wattage (W+Hue)		
Channel	HSV*	W
Fixture Wattage		
50W	17W	33W

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

Current Consumption		
WATTAGE / VOLT	120V	227V
50W	0.48A	0.21A

**PHOTOMETRICS**

Below is a typical photometric representation of the Rev 4 fixture. Please download IES files to ensure exact photometric value.



## DMX REQUIREMENTS

The Rev 4 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.

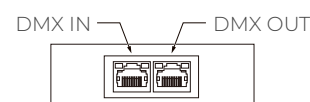
DMX Address (W+RGB)				
Fixture	Red Control (ex. X)	Green Control (ex. X+1)	Blue Control (ex. X+2)	White Control (ex. X+3)
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

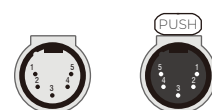
DMX Address (W+Hue)				
Channel Fixture	Hue (H)	Saturation (S)	Value / Intensity (V)	White Control (W)*
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

The 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



RJ45 Sockets



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.

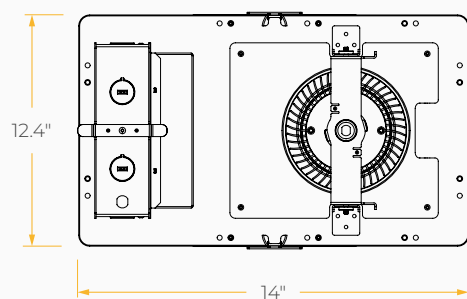
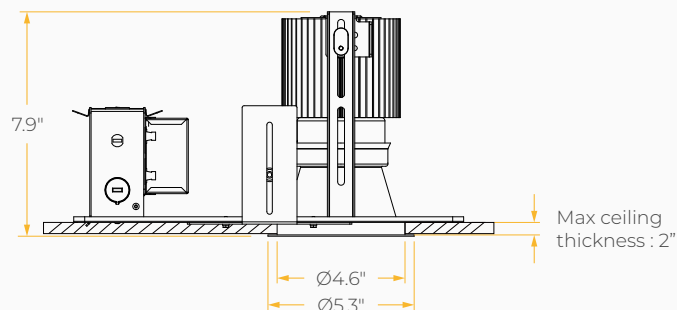
## COLOR TEMPERATURE CHART

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

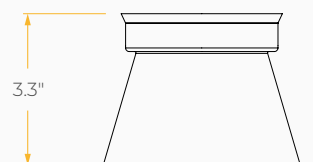
Color Temperature Chart (W+Hue)				
Channel	1	2	3	4
COLOR/CCT	Hue (H)	Saturation (S)	Value / Intensity (V)	White Control (W)*
RED	0	255	255	0
GREEN	85	255	255	0
BLUE	170	255	255	0
1900K	16	255	255	90
2700K	22	255	255	200
3000K	28	255	255	255
3500K	42	225	255	255
4000K	70	165	255	255
4500K	85	150	255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

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

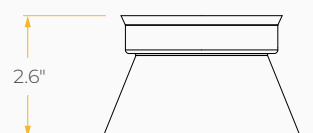
## DIMENSIONS



Standard Trim



Low Trim



Sloped Ceiling Adapter

