REV 4

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø4.3" | Oversize Trim : 5.3" | Maximum Ceiling Thickness : 2"
Opening of Mounting Frame : 4.7" to 5.1" | Height : 8" | Weight : 7 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	Rated Life
CRI 85	> 60,000 Hours (L70)

Finish

Black   White

Color Temperature

3000K + W+RGB / W+Hue   Archi-Color™

Optics

45°   55°

Warranty
5 Year limited warranty

Listing

cETLus Intertek   FC   CE   UKCA

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.
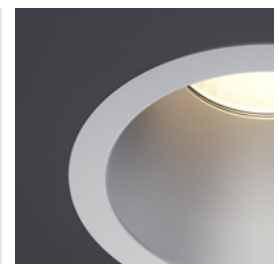
METEOR

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SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

RS4R	**MODEL**	**REV 4 RETROFIT**		
50	**WATTAGE**	**50** 50W		
	CCT / CRI	**308C** 3000K + RGB / CRI 85 Archi-Color™ W+RGB	**308U** 3000K + RGB / CRI 85 Archi-Color™ W+Hue	
	VOLTAGE	**120** 120V	**277** 277V	
	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)
	BEAM ANGLE	**45** 45° with standard trim	**55** 55° with low trim	
	FINISH*	**BLK** Black	**WHT** White	

* Finish indicates trim only, with standard matte silver reflector

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TECHNICAL DETAILS

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: 120V or 277V
- Operating Temperature: -20°F~104°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°

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)

Retrofit Housing

- Aperture : Ø4.3"
- Height : 8"
- Weight : 7 lbs
- Material : High Pressure Aluminum
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 5.3"
- Opening of Mounting Frame : 4.7" to 5.1" Max
- Maximum Ceiling Thickness : 2"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling

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)				
Fixture Wattage \ Channel	R	G	B	W
50W	8W	8W	8W	25W

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

Wattage (W+Hue)		
Fixture Wattage \ Channel	HSV*	W
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

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PHOTOMETRICS

Below is a typical photometric representation of the Rev 4 fixture. Please download IES files to ensure exact photometric value.
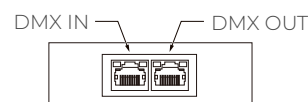
45°

55°
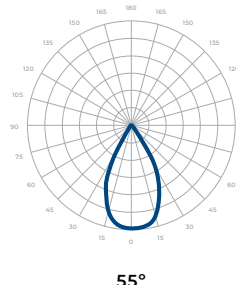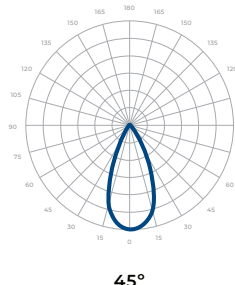
DMX REQUIREMENTS

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

DMX IN — — DMX OUT

RJ45 Sockets

PUSH

DMX IN   DMX OUT

XLR Sockets

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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

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