REV 8 PRIME

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø8.1" | Oversize Trim : 9.13" | Maximum Ceiling Thickness : 1.5"
Opening of Mounting Frame : 8" to 9" | Height : 8.6" | Weight : 16.13 lbs

Material
Housing : Forged Aluminum Heatsink
Reflector : Flow Forming Aluminum

Power Input
W+RGB:
200W Type A(White=100W, RGB=100W) | 120-277V
200W Type B(White=150W, RGB=50W) | 120-277V
W+Hue:
200W(White=132W, HSV=66W) | 120-277V

Lumen Output
W+RGB: 13,250 lm (200W TypeA), 14,145 lm (200W TypeB)
W+Hue: 16,050 lm (200W)

Dimming
DMX : High resolution dims to 0.1%

Color Quality
CRI 85

Rated Life
> 100,000 Hours (L70)

Finish

Black   White

Color Temperature

3000K + W+RGB / W+HUE   Archi-Color™

Optics

45°   55°   Wide

Warranty
5 Year limited warranty

Listing

ETL c US LISTED Intertek   FC

Precision Engineered For High Performance.

8-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.
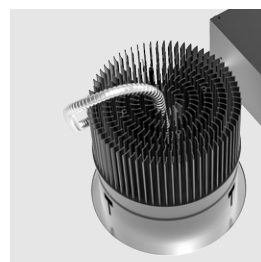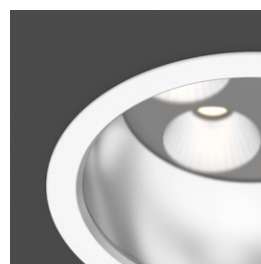
METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

The product configurator function on this page works only with the latest version of Chrome or Adobe Acrobat Reader.

R8PR	MODEL	**REV 8 PRIME RETROFIT**				
	WATTAGE	**200**[1] 200W		**200A**[2] White=100W/RGB=100W		**200B**[2] White=150W/RGB=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)		**DMXR** DMX dims to 0.1% (RJ45 Sockets)		
	BEAM ANGLE	**45** 45°		**55** 55°		**WD**[3] Wide (With diffuser)
	FINISH*	**BLK** Black		**WHT** White		
	ACCESSORIES	**DF**[4] Diffuser **GR14**[6] Goof Ring 9.2" to 16"		**SPD**[5] Surge Protector		**GR12**[6] Goof Ring 9.2" to 14"

↻ **CLEAR FORM**

[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] *Please factor in change in lumen output with diffuser (-20% with WD; -12% with other degrees).*
[5] *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high-power machinery.*
[6] *Includes a new reflector.*
* *Finish indicates Trim only, with standard matte silver reflector.*

meteor-lighting.com 1860 S Carlos Ave, Ontario, California 91761 **E:** tech@meteor-lighting.com **T:** 213-255-2060

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TECHNICAL DETAILS

Electrical

- Archi-Color™ W+RGB:
  13,250 lm (200W TypeA | White = 100W, RGB = 100W)
  14,145 lm (200W TypeB | White = 150W, RGB = 50W)
- Archi-Color™ W+Hue:
  16,050 lm (200W | White = 132W, HSV = 66W)
- Power Input: 120V or 277V
- Operating Temperature: -40°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

Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 45°, 55°, WD (With diffuser)

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 : Ø8.1"
- Height : 8.6"
- Weight : 16.13 lbs
- Material : Forged Aluminum Heatsink
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 9.13"
- Opening of Mounting Frame : 8" to 9" Max
- Maximum Ceiling Thickness : 1.5"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling
- Goof Ring 14": Aluminum, standard white finish; O. D. 16"; other size and finish available, please inquire

Warranty

- 5-year limited warranty

Listing

- ETL Damp Location Listed
- FCC

PERFORMANCE SUMMARY*

Lumen Performance (W+RGB)				
200W TypeA	R	G	B	W
	615lm	4,075lm	480lm	8,080lm
200W TypeB	R	G	B	W
	220lm	1,700lm	210lm	12,015lm

Wattage (W+RGB)				
Channel / Fixture Wattage	R	G	B	W
200W TypeA	33W	33W	33W	100W
200W TypeB	17W	17W	17W	150W

Lumen Performance (W+Hue)				
200W	R	G	B	W
	930lm	7,330lm	860m	8,720lm

*Beam Angle: 45° *Tolerance ±8%*

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

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

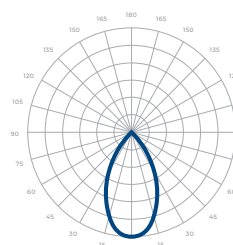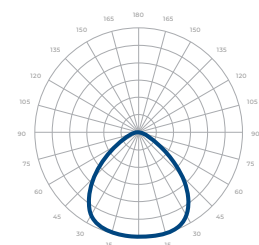| Current Consumption		
WATTAGE / VOLT	120V	227V
200W	1.8A	0.9A

PHOTOMETRICS

Below is a typical photometric representation of the Rev 8 Prime fixture. Please download IES files to ensure exact photometric value.

45°

55°

WIDE

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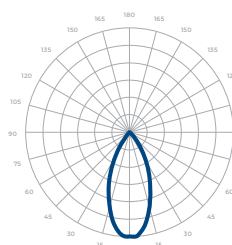
DMX REQUIREMENTS

The Rev 8 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
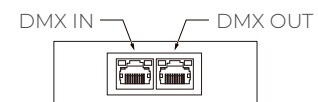
XLR Sockets

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.
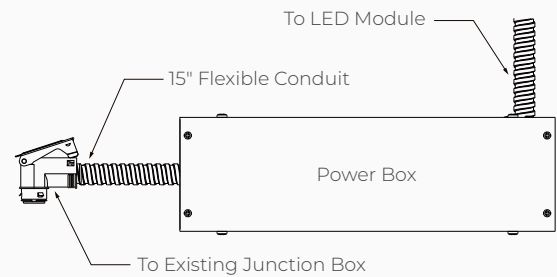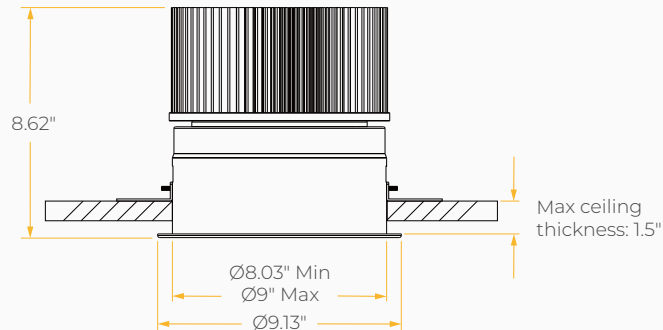
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COLOR TEMPERATURE CHART

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

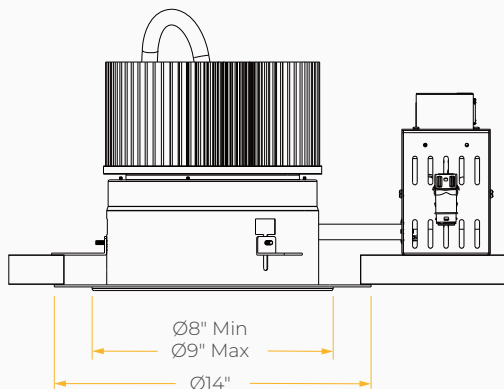| Color Temperature Chart (W+Hue)				
Channel	1	2	3	4
COLOR/CCT	Hue (H)	Saturation (S)	Value / Intensity (V)	White Control (W)*
RED	0	255	255	0
GREEN	85	255	255	0
BLUE	170	255	255	0
1900K	16	255	255	90
2700K	22	255	255	200
3000K	28	255	255	255
3500K	42	225	255	255
4000K	70	165	255	255
4500K	85	150	255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

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

DIMENSIONS

8.62"

Max ceiling thickness: 1.5"

Ø8.03" Min
Ø9" Max
Ø9.13"

To LED Module

15" Flexible Conduit

Power Box

To Existing Junction Box

Goof Ring 12

Ø8" Min
Ø9" Max
Ø14"

Goof Ring 14

Ø8" Min
Ø9" Max
Ø16"

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