

REV 8 PRIME

SPECIFICATION SHEET
ARCHI-COLOR® PRO

QUIET CEILING DESIGN HIGH LUMEN RECESSED DOWNLIGHT

Housing

Aperture : Ø9" | Oversize Trim : 9.13" | Ceiling Cutout : 8.25"
Maximum Ceiling Thickness : 1.5" | Height : 8.6"
Weight : 17.63 lbs / 18.82 lbs (New Construction), 16.13 lbs (Retrofit)

Material

Housing : Forged Aluminum Heatsink
Reflector : Flow Forming Aluminum

Power Input

200W | 120-277V

Lumen Output

12,550 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



Archi-Color® Pro
RGBW (3000K)

Optics



60°



Wide

Warranty

5 Year limited warranty

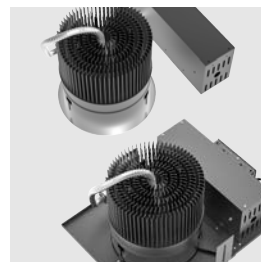
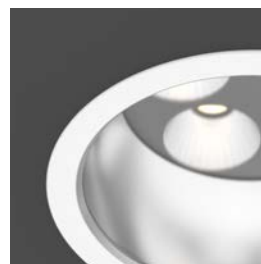
Listing



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

meteor-lighting.com

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

Use our online product configurator to quickly assemble fixture specifications

	MODEL	R8PN REV 8 Prime with New Construction Frame	R8PR REV 8 Prime Retrofit
	WATTAGE	200 200W	
	CCT / CRI	308P Archi-Color® Pro RGBW (3000K)	
	VOLTAGE	120 120V	277 277V
	DIMMING	DMX DMX dims to 0.1% (XLR Sockets)	DMXR DMX dims to 0.1% (RJ45 Sockets) DMXP DMX dims to 0.1% (Terminal Block)
	BEAM ANGLE	60 60°	WD¹ Wide (With Diffuser)
	FINISH*	BLK Black	WHT White
	ACCESSORIES	DF² Diffuser GR14⁴ Goof Ring 9.2" to 16"	SPD³ Surge Protector SCA810⁵ Sloped Ceiling Adapter 8°-12° SCA825⁵ Sloped Ceiling Adapter 23°- 27° GR12⁴ Goof Ring 9.2" to 14" SCA815⁵ Sloped Ceiling Adapter 13°-17° 2CPL⁶ 2' X 2' X 1" Custom Metal Ceiling Panel

 CLEAR FORM

¹ WD option reduces delivered lumens by ~20%

² DF option reduces delivered lumens by ~12% (~20% with WD)

³ Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries

⁴ GR includes new reflector and is not compatible with R8PN

⁵ SCA is not compatible with R8PR

⁶ 2CPL is not compatible with R8PR, SCA810, SCA815, SCA820, SCA825

* Finish indicates trim only, with standard matte silver reflector

TECHNICAL DETAILS

Electrical

- 12,550 lm (200W)
- 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 : Archi-Color® Pro - RGBW (3000K)
- **Archi-Color® Pro** is Meteor's latest intelligent color-changing technology, dynamically allocating available system power across channels. This architecture allows each individual channel to reach 100% output, while multi-channel mixing can operate without fixed limits or shared restrictions. Learn more at: www.meteor-lighting.com/technology/archi-color
- CRI 85
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 100,000 Hrs

Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 60°, Wide (With diffuser)

Advanced Dimming

- Proprietary VX Driver™ is integrated across all dimming options, delivering video flicker-free performance and full compliance with IEEE 1789.
- DMX : High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

New Construction Housing

- Aperture : Ø8.15" (New Construction), Ø9" (Retrofit)
- Height : 8.6"
- Weight : 17.63 lbs / 18.82 lbs (New Construction), 16.13 lbs (Retrofit)
- Material : Forged Aluminum Heatsink
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 8.46" (New Construction), 9.13" (Retrofit)
- Ceiling Cutout : 8.25"
- 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

*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*

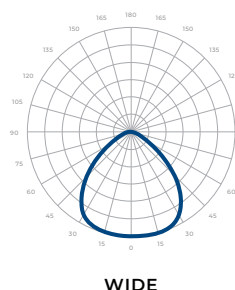
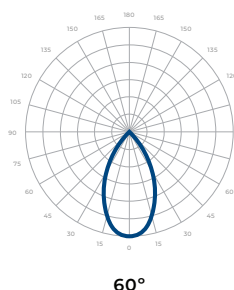
Lumen Performance				
Channel	R Full On	G Full On	B Full On	W Full On
Fixture Wattage	200W	200W	200W	200W
Deliver Lumen	5,700lm	12,700lm	2,250lm	12,550lm

*Beam Angle: 60° *Tolerance ±8%

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.



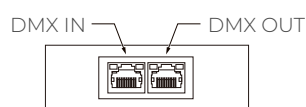
DMX REQUIREMENTS

The Rev 8 Prime 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.

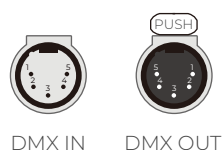
DMX Address				
Fixture	Red Control (ex. X)	Green Control (ex. X+1)	Blue Control (ex. X+2)	White Control (ex. X+3)
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

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.

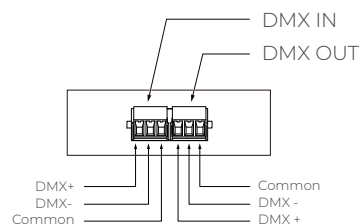
CONNECTION	RJ45 (CAT5e)	5-PIN XLR
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)	PIN 1
Signal -	ORANGE (PIN 2)	PIN 2
Signal +	WHITE/ORANGE (PIN 1)	PIN 3
Spare	-	PIN 4
Spare	-	PIN 5



RJ45 Sockets



XLR Sockets



Phoenix Connector

COLOR TEMPERATURE REFERENCE CHART

Color Temperature Table*				
Channel	1	2	3	4
COLOR/CCT	Red (R)	Green (G)	Blue (B)	White (W)
1900K	255	53	0	98
2700K	51	19	0	156
3000K	0	0	0	255
3500K	0	7	1	255
4000K	0	17	8	237
5000K	0	30	19	228
6500K	0	47	34	206

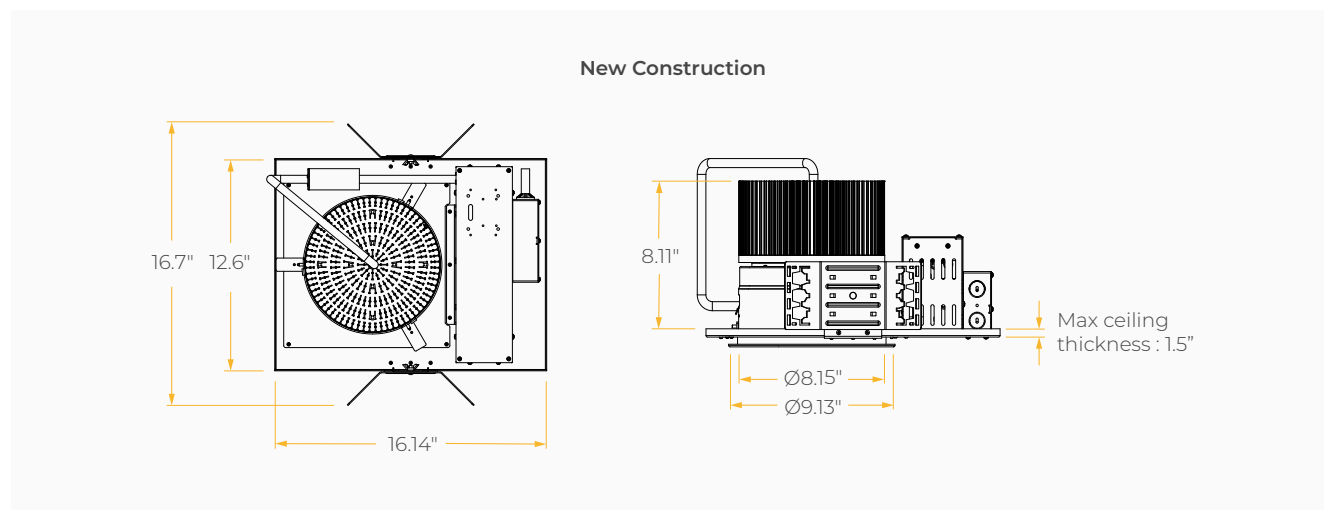
* Recommended RGBW values for approximating the listed CCTs. Actual results may vary by fixture and application.
The White channel adjusts the output of the 3000K white LEDs, unless otherwise specified.

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.

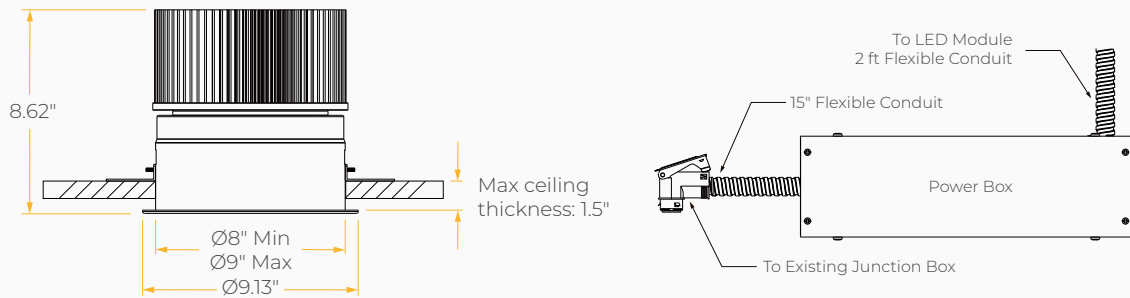
Meteor recommends the use of Belden 9729 or Belden 9841 for DMX installation. Belden 9729/9841 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed.

DIMENSIONS

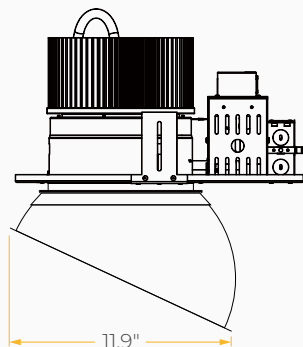


DIMENSIONS

Retrofit

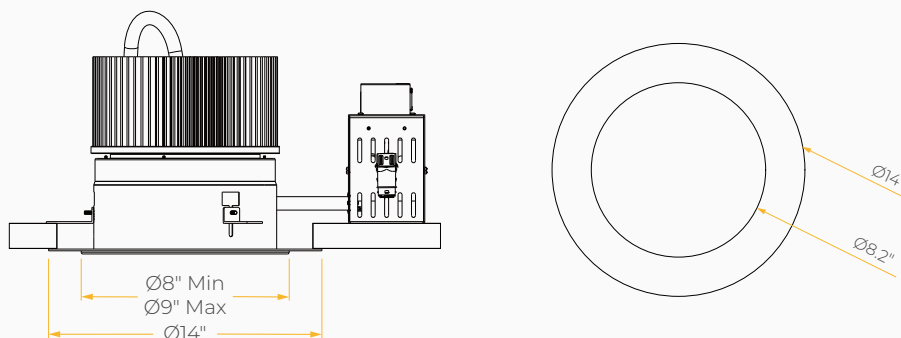


Sloped Ceiling Adapter

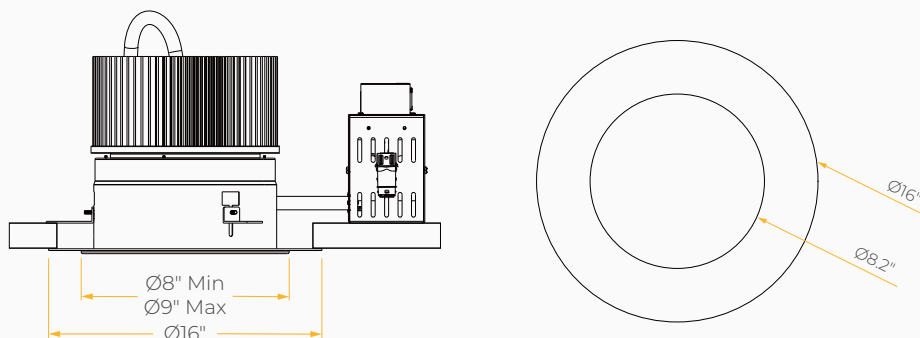


DIMENSIONS

Goof Ring 12"



Goof Ring 14"



Custom Metal Ceiling Panel

