REV 6

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø7" | Oversize Trim : 8" | Ceiling Cutout : 6.7"
Maximum Ceiling Thickness : 2" | Height : 8"
Weight : 13.22 lbs (New Construction), 11.02 lbs (Retrofit)

Material
Housing : Extruded Aluminum
Reflector : Flow Forming Aluminum

Power Input
50W | 120-277V

Lumen Output
3,490 lm (50W)

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

Intertek

Precision Engineered For High Performance.

6-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

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

Use our online product configurator to quickly assemble fixture specifications

	MODEL	**RS6N** Rev 6 New Construction	**RS6R** Rev 6 Retrofit	
50	WATTAGE	**50** 50W		
308P	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°	**WD**[1] Wide	
	FINISH*	**BLK** Black	**WHT** White	**SSR**[2] Semi-Specular Reflector
	ACCESSORIES	**SPD**[3] Surge Protector **SCA610**[6] Sloped Ceiling Adapter 8°-12° **SCA625**[6] Sloped Ceiling Adapter 23°- 27°	**DF**[4] Diffuser **SCA615**[6] Sloped Ceiling Adapter 13°-17°	**GR8**[5] Goof Ring 8" to 10" **SCA620**[6] Sloped Ceiling Adapter 18°-22°

CLEAR FORM

[1] *WD option reduces delivered lumens by ~20%*
[2] *SSR is not compatible with WD, SCA610, SCA615, SCA620, SCA625*
[3] *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries*
[4] *DF option reduces delivered lumens by ~12% (~20% with WD)*
[5] *GR8 Includes new reflector and is not compatible with RS6N*
[6] *SCA is not compatible with RS6R*
* *Finish indicates trim only, with standard matte silver reflector*

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REV 10152026

TECHNICAL DETAILS

Electrical

- 3,490 lm (50W)
- Power Input : 120V or 277V
- Operating Temperature : -20°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 : Ø6.3" (New Construction), Ø7" (Retrofit)
- Height : 8"
- Weight : 13.22 lbs (New Construction), 11.02 lbs (Retrofit)
- Material : Extruded Aluminum (New Construction), High Pressure Aluminum (Retrofit)
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 7.2" (New Construction), 8" (Retrofit)
- Ceiling Cutout : 6.7"
- Maximum Ceiling Thickness : 2"
- Tool-less top access allows service from above and below
- Light engine, optics, and driver(s) accessible from below ceiling
- Goof Ring 8" : Aluminum, standard white finish; O. D. 10"; 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	50W	50W	50W	50W
Deliver Lumen	1,650lm	3,550lm	600lm	3,490lm

**Beam Angle 60° Tolerance ±8%*

Current Consumption		
WATTAGE / VOLT	120V	277V
50W	0.44A	0.19A

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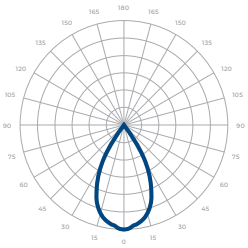
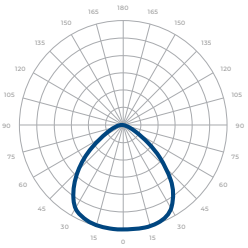
PHOTOMETRICS

Below is a typical photometric representation of the Rev 6 fixture. Please download IES files to ensure exact photometric value.



60°



WIDE

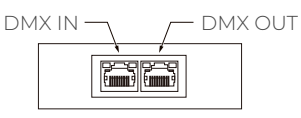
DMX REQUIREMENTS

The Rev 6 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.

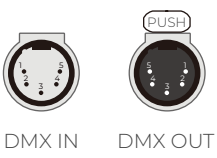
	DMX Address			
Fixture	**Red Control (ex. X)**	**Green Control (ex. X+1)**	**Blue Control (ex. X+2)**	**White Control (ex. X+3)**
#1	1	2	3	4
#2	5	6	7	8
#3	9	10	11	12

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.

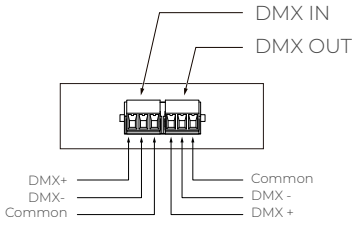
CONNECTION	RJ45 (CAT5e)	5-PIN XLR
Common	WHITE/BROWN(PIN7) & BROWN (PIN 8)	PIN 1
Signal -	ORANGE (PIN 2)	PIN 2
Signal +	WHITE/ORANGE (PIN 1)	PIN 3
Spare	-	PIN 4
Spare	-	PIN 5



RJ45 Sockets



XLR Sockets



Phoenix Connector

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COLOR TEMPERATURE REFERENCE CHART

Color Temperature Table*				
Channel / COLOR/CCT	1	2	3	4
	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.

TRIM FINISH

Black Finish

White Finish

Semi-Specular Hyperbolic Trim

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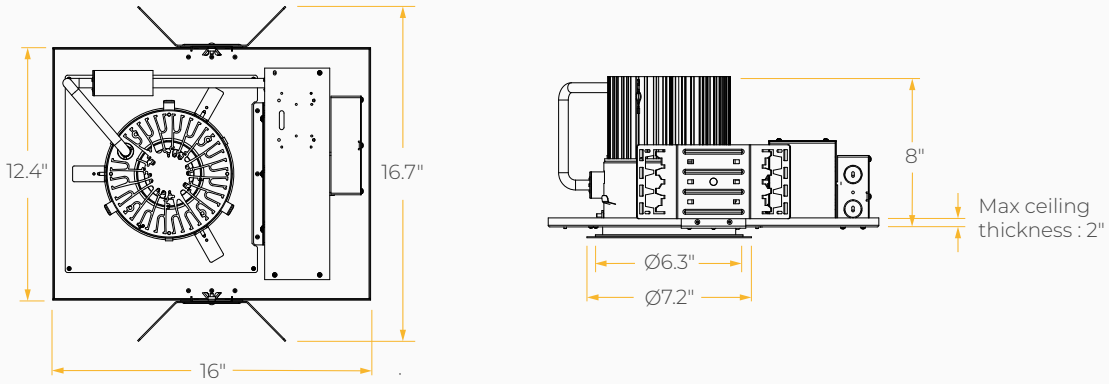
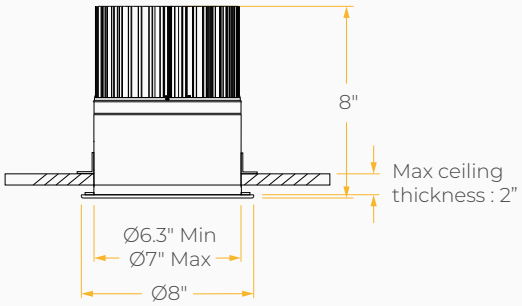
DIMENSIONS

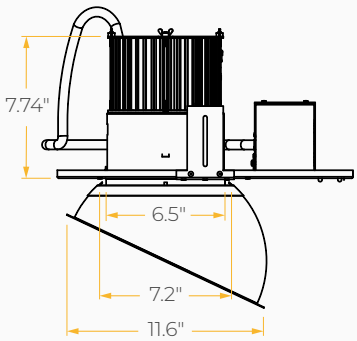
New Construction



Retrofit



Sloped Ceiling Adapter



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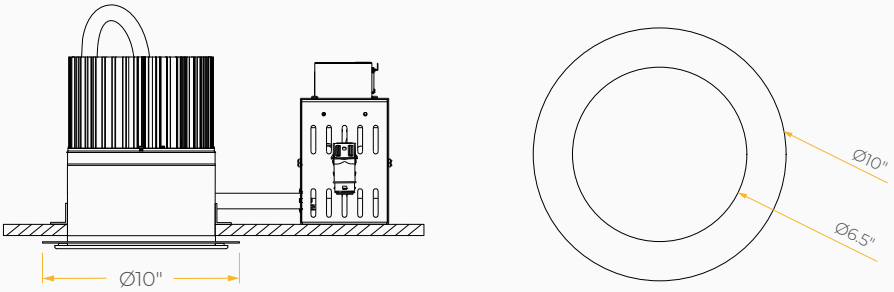
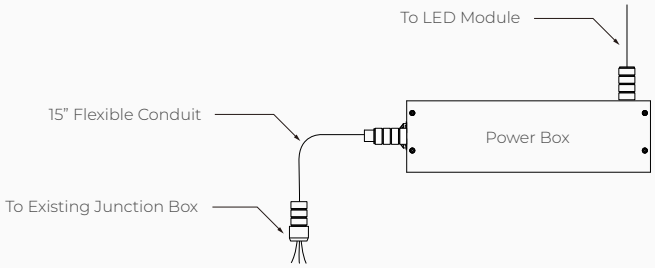
DIMENSIONS

Goof Ring 8"



Powerbox Wiring Diagram



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