REV 6

QUIET CEILING DESIGN
HIGH LUMEN RECESSED DOWNLIGHT

Housing
Aperture : Ø6.3" | Oversize Trim : 7.2" | Ceiling Cutout : 6.7"
Maximum Ceiling Thickness : 2" | Height : 8" | Weight : 13.22 lbs

Material
Housing : Extruded Aluminum
Reflector : Flow Forming Aluminum

Power Input
W+RGB:
50W(White=25W, RGB=25W) | 120-277V
100W(White=50W, RGB=50W) | 120-277V
W+Hue:
50W(White=33W, HSV=17W) | 120-277V
100W(White=66W, HSV=33W) | 120-277V

Lumen Output
W+RGB: 3,255 lm (50W), 6,150 lm (100W)
W+Hue: 3,840 lm (50W), 7,420 lm (100W)

Dimming
DMX: High resolution dims to 0.1%

Color Quality	Rated Life
CRI 85	> 100,000 Hours (L70)

Finish
Black
White

Color Temperature
3000K + W+RGB / W+HUE   Archi-Color™

Optics
60°
Wide

Warranty
5 Year limited warranty

Listing
ETL Intertek
FC
UKCA

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.

pia 16 Award Winner

Next Generation LUMINAIRES 2016
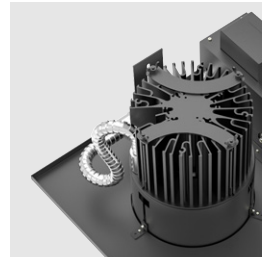
METEOR

meteor-lighting.com

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.

RS6N	MODEL	**REV 6 W+RGB WITH NEW CONSTRUCTION FRAME**		
	WATTAGE	**50** 50W	**100** 100W	
	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)	**DMXP** DMX dims to 0.1% (Terminal Block)
	BEAM ANGLE	**60** 60°	**WD¹** Wide	
	FINISH*	**BLK** Black	**WHT** White	**SSR²** Semi-Specular Reflector
	ACCESSORIES	**SPD³** Surge Protector **SCA615** Sloped Ceiling Adapter 13°-17°	**DF⁴** Diffuser **SCA620** Sloped Ceiling Adapter 18°-22°	**SCA610** Sloped Ceiling Adapter 8°-12° **SCA625** Sloped Ceiling Adapter 23°-27°

↻ **CLEAR FORM**

¹ *Please factor in change in lumen output with WD -20%*

² *Option 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 *Please factor in change in lumen output with diffuser (-20% with WD; -12% with other degrees)*

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

TECHNICAL DETAILS

Electrical

- Archi-Color™ W+RGB:
  3,255 lm (50W | White = 25W, RGB = 25W)
  6,150 lm (100W | White = 50W, RGB = 50W)
- Archi-Color™ W+Hue:
  3,840 lm (50W | White = 33W, HSV = 17W)
  7,420 lm (100W | White = 66W, HSV = 33W)
- 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 : 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 : 60°, Wide (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)

New Construction Housing

- Aperture : Ø6.3"
- Height : 8"
- Weight : 13.22 lbs
- Material : Extruded Aluminum
- Non-IC Rated, insulation must be kept >1ft from housing
- Oversize Trim : 7.2"
- 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

  *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
- UKCA

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PERFORMANCE SUMMARY*

Lumen Performance (W+RGB)				
50W	R	G	B	W
	150lm	990lm	115lm	2,000lm
100W	R	G	B	W
	220lm	1,700lm	210lm	4,020lm

Wattage (W+RGB)				
Channel Fixture Wattage	R	G	B	W
50W	8W	8W	8W	25W
100W	17W	17W	17W	50W

| Lumen Performance (W+Hue)				
50W	R	G	B	W
	210lm	1,680lm	190lm	2,160lm
100W	R	G	B	W
	310lm	2,880lm	350lm	4,540lm

Wattage (W+Hue)		
Channel Fixture Wattage	HSV*	W
50W	17W	33W
100W	33W	66W

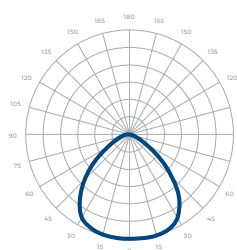| Current Consumption		
WATTAGE / VOLT	120V	277V
50W	0.44A	0.19A
100W	0.89A	0.38A

*Beam Angle: 60° * Tolerance ±8%*

PHOTOMETRICS

Below is a typical photometric representation of the Rev 6 fixture. Please download IES files to ensure exact photometric value.
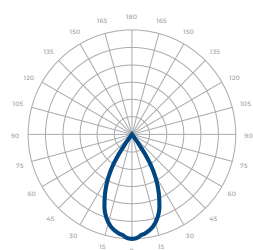
60°

**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 (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
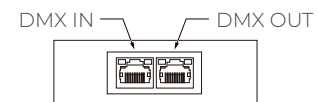
DMX IN   DMX OUT

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.
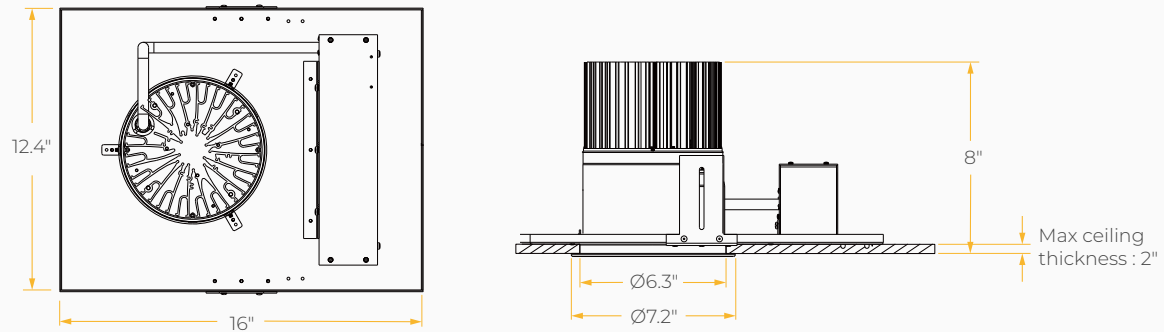
COLOR TEMPERATURE CHART

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.

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DIMENSIONS

12.4"

16"

8"

Max ceiling thickness : 2"

Ø6.3"

Ø7.2"

Sloped Ceiling Adapter

7.74"

6.5"

7.2"

11.6"

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