

# REV 4 - Retrofit

## Tunable White Version (ColorFlip™)



4-inch aperture high lumen recessed downlight utilizing Meteor Lighting's proprietary ColorFlip™ Tunable White solution, that results in superior efficacy and heat management. This product is compatible with all existing 0-10V and DMX control systems. Bringing human centric lighting to your spaces.

Quantity		Type	
Project		Note	

### Delivered Lumens\*

ColorFlip™	2700K	3000K	3500K	4000K	4500K	5000K	5700K	6500K	
DMX CCT Signal (%)	0%	10%	25%	45%	60%	70%	85%	100%	*Lumen Multiplier 45° 55° 0.89 baseline
0-10V CCT Voltage	0	1	2.5	4.5	6	7	8.5	10	
40W	3010 lm	3240 lm	3470 lm	3710 lm	3650 lm	3600 lm	3550 lm	3500 lm	
20W	1590 lm	1710 lm	1820lm	1950 lm	1930 lm	1890 lm	1860 lm	1840 lm	
CRI	85	86	87	88	89	88	87	86	

### Electrical System

- 20W, 40W
- Power Input: 120V or 277V
- Operating Temperature: -40°F~104°F
- Surge Protection: 4KV- Remote
- Power Factor Greater than 0.9

### LED Technology

- ColorFlip™ (Tuning White: 2700K ↔ 6500K)
- 85+ CRI
- Beam Angle: 45°, 55°
- Rated Life > 60,000 hours (L70)

### Advanced Dimming

- (Proprietary VX Driver is incorporated to all dimming options for video flicker-free lighting)
- Superior 0-10V: dims to 1% (2 channel)  
1 channel control dimming. 1 channel control CCT.
  - DMX: high resolution dims to 0.1% (2 channel)  
(Supports ANSI E1.20 RDM protocol)
  - DALI: dims to 10%

### New Construction

- Non-IC Rated, insulation must be kept >1ft from housing.
- Aperture: 4.25" (108mm)
- Opening of Mounting Frame: 4.72" (120mm) to 5.1" (127mm) Max
- Oversize Trim: 5.25" (133mm)
- Ceiling Cutout: 5" (127mm)
- Maximum Ceiling Thickness: 2" (50.8mm)
- Tool-less top access allows service from above and below.
- Light engine, optics, and driver(s) accessible from below ceiling
- Weight: 7lbs

### Warranty

- 5-year limited warranty

### Listing

- ETL Damp Location Listed
- FCC



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## How to Specify:

Ordering Example: **RS4N-40-TNW-UNV-SPV-45-WHT**

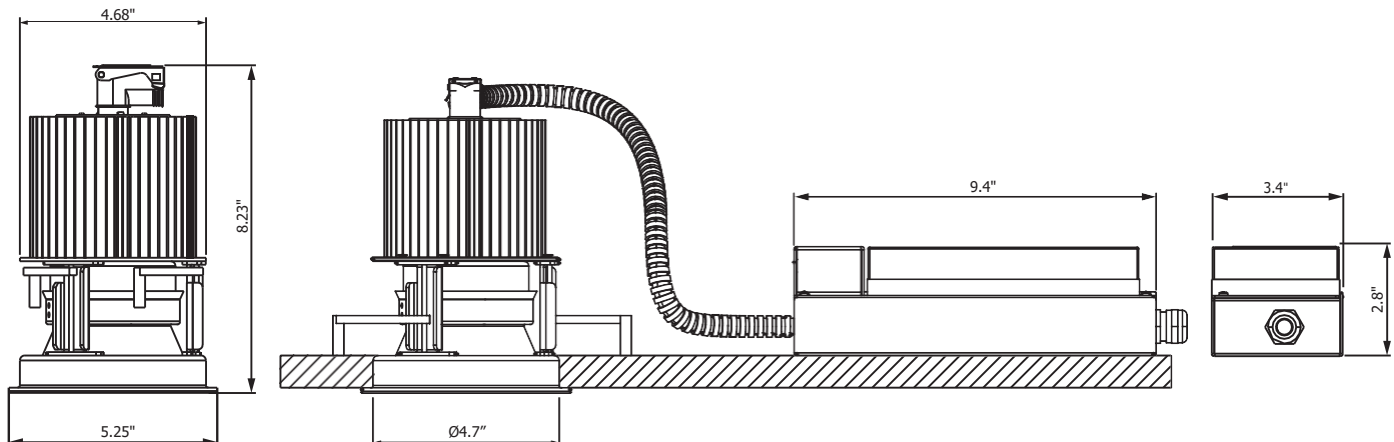
4-5 weeks lead time on over 75% of specifications.

Model	Wattage	CCT / CRI	Voltage	Dimming
RS4R		TNW		
RS4R	<b>20</b> 20W	<b>TNW</b> 2700K-6500K	<b>120</b> 120V	<b>SPV</b> Superior 0-10V dims to dark
REV 4 inch Retrofit	<b>40</b> 40W		<b>277</b> 277V	<b>DMX</b> DMX dims to 0.1% (XLR Sockets) <b>DMX(RJ45)</b> DMX dims to 0.1% (RJ45 Sockets) <b>DALI</b> DALI dims to 10%

## Beam Angle      Finish

<b>45</b>	45°	<b>BLK</b>	Black
<b>55</b>	55°	<b>WHT</b>	White

## Dimensions



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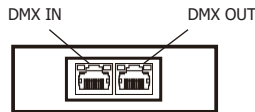
### DMX Requirements

The REV 4 LED fixture with DMX unit has TWO CHANNEL per fixture (1 to control intensity, 1 to control color). Fixture will be controlled by DMX number controlling intensity. We do not recommend more than 32 fixtures per DMX daisy chain. When placing order, please indicate DMX address (refer to DMX Address example below). DMX address will be listed on the back of each fixture.

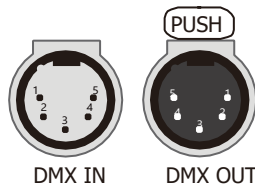
Fixture	DMX Address	
	Intensity Control (ex. X)	Color Control (ex. X+1)
#1	1	2
#2	3	4
#3	5	6

The LED fixture provide RJ45 Socket or XLR socket to connect. (DMX cable NOT included.)  
The final fixture should be terminated by the use of DMX Terminator (by others).

#### RJ45 Sockets



#### XLR Sockets



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

### Compatible DMX Cabling List

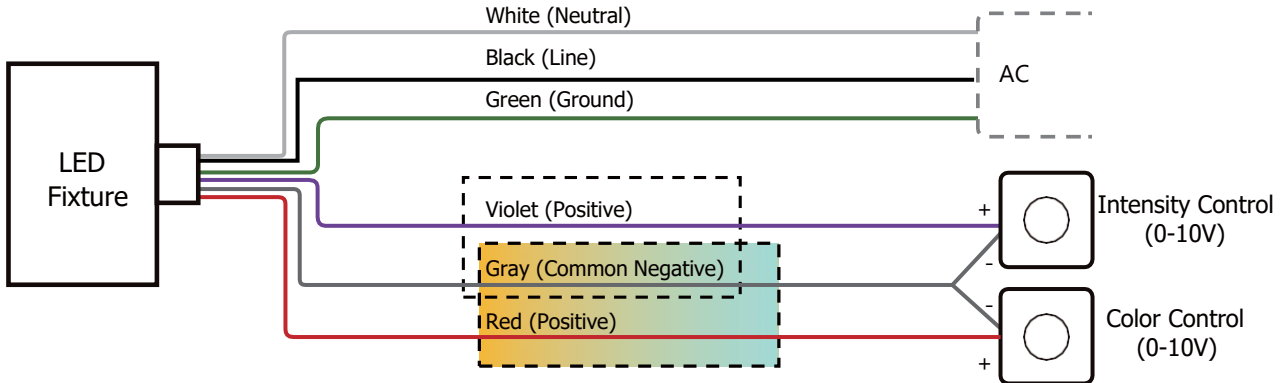
DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable **must not be used to carry DMX**. Network cable (Cat5, 5e or 6 cable) may be used to carry 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 for DMX installation. Belden 9729 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed. Below is a list of other compatible Belden cables.

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## Superior 0-10V Wiring Diagram



## DMX Wiring Diagram

