

# REV 6

## QUIET CEILING DESIGN HIGH LUMEN RECESSED DOWNLIGHT

### SPECIFICATION SHEET TUNABLE WHITE

#### 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

40W, 60W, 80W, 100W | 120V, 277V

#### Lumen Output

3,500 lm (40W), 5,040 lm (60W), 7,215 lm (80W), 8,840 lm (100W)

#### Dimming

Superior 0-10V : dims to 1%, dims to dark  
DMX : High resolution dims to 0.1%

#### Color Quality

CRI 85+

#### Rated Life

> 100,000 Hours (L70)

#### Finish

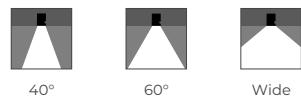


#### Color Temperature



ColorFlip™ Tunable White  
2700K ↔ 6500K

#### Optics



#### Warranty

5 Year limited warranty

#### Listing



#### Precision Engineered For High Performance.

6-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.



# METEOR

[meteor-lighting.com](http://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.

|            |                    |   |  |
|------------|--------------------|---|--|
|            | <b>MODEL</b>       | <b>RS6N</b> Rev 6 New Construction  | <b>RS6R</b> Rev 6 Retrofit   |
|            | <b>WATTAGE</b>     | <b>40</b> 40W<br><b>100</b> 100W  | <b>60</b> 60W<br><b>80</b> 80W   |
| <b>TNW</b> | <b>CCT / CRI</b>   | <b>TNW</b> 2700K- 6500K   |  |
|            | <b>VOLTAGE</b>     | <b>120</b> 120V   | <b>277</b> 277V  |
|            | <b>DIMMING</b>     | <b>SPV</b> Superior 0-10V dims to 1%,<br>dims to dark   | <b>DMX</b> DMX dims to 0.1% (XLR<br>Sockets)   |
|            | <b>BEAM ANGLE</b>  | <b>40</b> 40°   | <b>60</b> 60°  |
|            | <b>FINISH*</b>     | <b>BLK</b> Black  | <b>WHT</b> White   |
|            | <b>ACCESSORIES</b> | <b>SPD<sup>3</sup></b> Surge Protector<br><b>SCA610<sup>6</sup></b> Sloped Ceiling Adapter<br>$8^{\circ}$ - $12^{\circ}$<br><b>SCA625<sup>6</sup></b> Sloped Ceiling Adapter<br>$23^{\circ}$ - $27^{\circ}$ | <b>DF<sup>4</sup></b> Diffuser<br><b>SCA615<sup>6</sup></b> Sloped Ceiling Adapter<br>$13^{\circ}$ - $17^{\circ}$<br><b>GR8<sup>5</sup></b> Goof Ring 8" to 10"<br><b>SCA620<sup>6</sup></b> Sloped Ceiling Adapter<br>$18^{\circ}$ - $22^{\circ}$ |

 **CLEAR FORM**

<sup>1</sup> WD option reduces delivered lumens by ~20%

<sup>2</sup> SSR is not compatible with WD, SCA610, SCA615, SCA620, SCA625

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

<sup>4</sup> DF option reduces delivered lumens by ~12% (~20% with WD)

<sup>5</sup> GR8 Includes new reflector and is not compatible with RS6N

<sup>6</sup> SCA is not compatible with RS6R

\* Finish indicates trim only, with standard matte silver reflector

## TECHNICAL DETAILS

### Electrical

- 3,500 lm (40W), 5,040 lm (60W), 7,215 lm (80W), 8,840 lm (100W)
- 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

- ColorFlip™ Tunable White 2700K ↔ 6500K
- CRI 85+
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 100,000 Hrs

### Optics

- Flow Forming Aluminum Reflector
- Beam Angle : 40°, 60°, Wide (With diffuser)

### Advanced Dimming

- Proprietary VX Driver™ is incorporated to all dimming options for video flicker-free lighting
- Superior 0-10V : dims to 1%, dims to dark
- 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
- UKCA

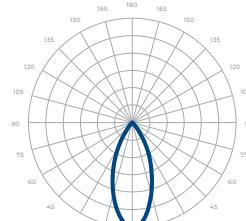
## PERFORMANCE SUMMARY\*

| ColorFlip™                   | 2700K     | 3000K     | 3500K     | 4000K     | 4500K     | 5000K     | 5700K     | 6500K     |
|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>DMX</b><br>CCT Signal (%) | 0%        | 10%       | 25%       | 45%       | 60%       | 70%       | 85%       | 100%      |
| <b>0-10V</b><br>CCT Voltage  | 0         | 1         | 2.5       | 4.5       | 6         | 7         | 8.5       | 10        |
| <b>40W</b>                   | 2,990lm   | 3,160lm   | 3,330lm   | 3,500lm   | 3,475lm   | 3,440lm   | 3,410lm   | 3,385lm   |
| <b>60W</b>                   | 4,305lm   | 4,550lm   | 4,795lm   | 5,040lm   | 5,000lm   | 4,955lm   | 4,910lm   | 4,870lm   |
| <b>80W</b>                   | 6,165lm   | 6,510lm   | 6,865lm   | 7,215lm   | 7,155lm   | 7,095lm   | 7,095lm   | 6,970lm   |
| <b>100W</b>                  | 7,555lm   | 7,980lm   | 8,415lm   | 8,840lm   | 8,770lm   | 8,690lm   | 8,615lm   | 8,545lm   |
| <b>CRI</b>                   | <b>85</b> | <b>86</b> | <b>87</b> | <b>88</b> | <b>88</b> | <b>87</b> | <b>86</b> | <b>85</b> |

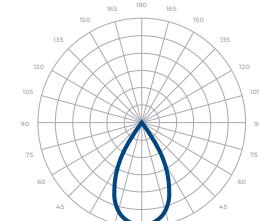
\*Beam Angle: 40° \* Tolerance ±8%

## PHOTOMETRICS

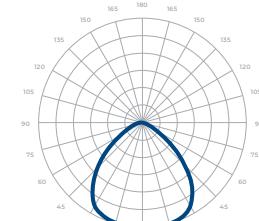
Below is a typical photometric representation of the Rev 6 fixture. Please download IES files to ensure exact photometric value.



40°



60°



WIDE

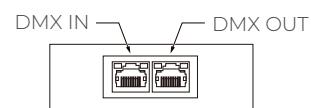
## DMX REQUIREMENTS

The Rev 6 Tunable White fixture with DMX unit has **two channels** per fixture (1 to control intensity, 1 to control color). 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     | Intensity Control (ex. X) | Color Control (ex. X+1) |
| #1          | 1                         | 2                       |
| #2          | 3                         | 4                       |
| #3          | 5                         | 6                       |

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



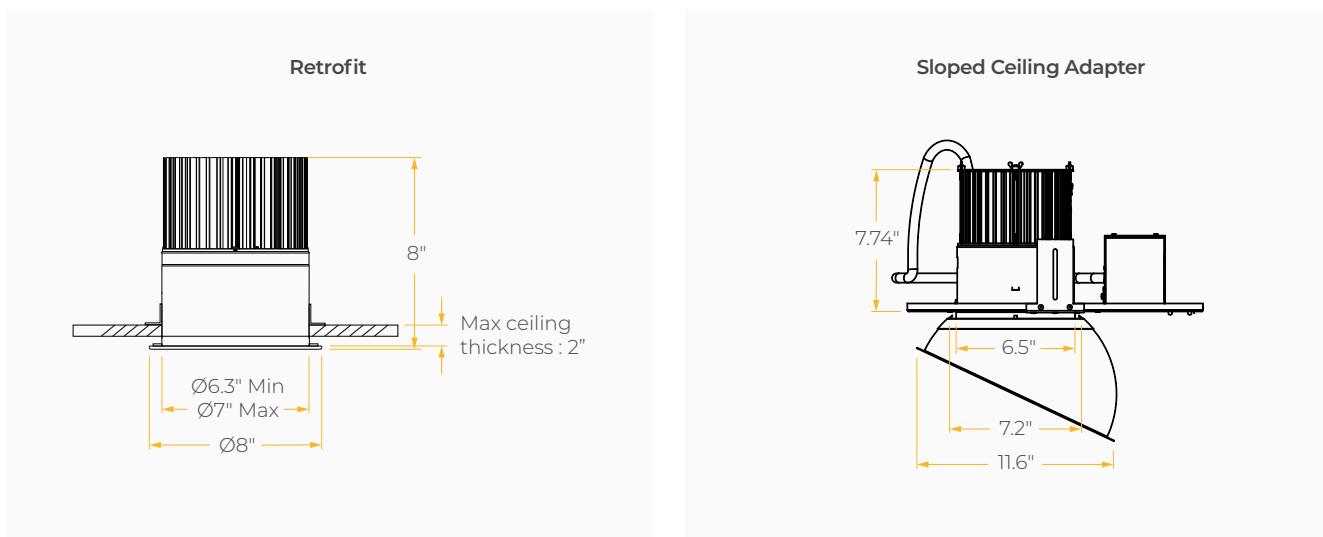
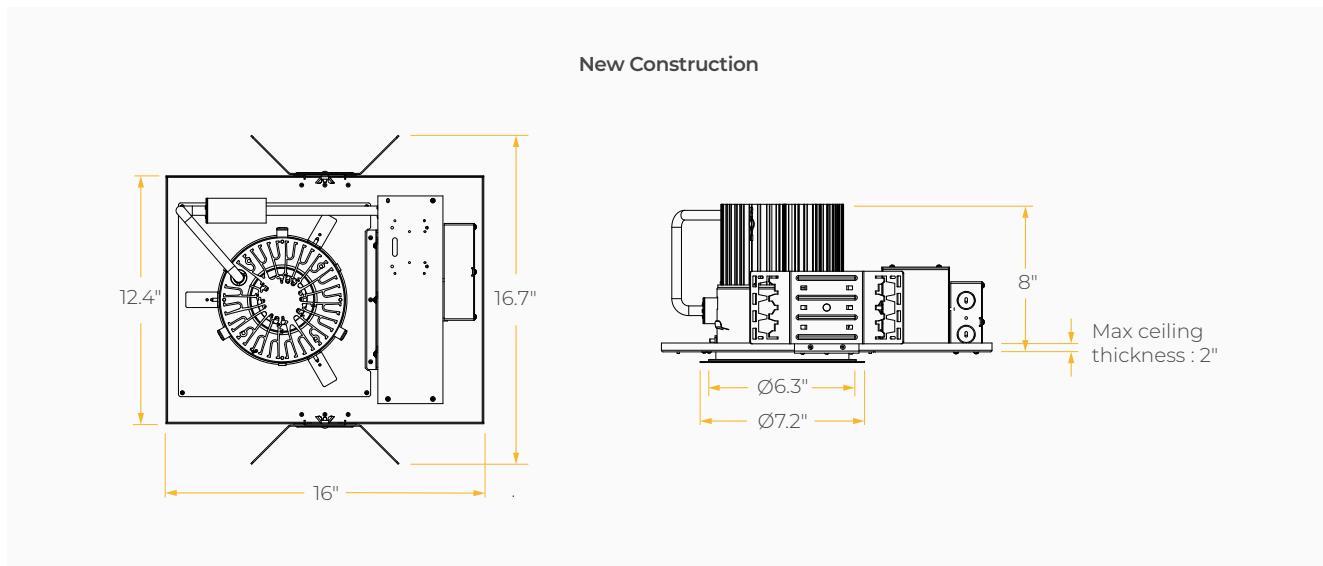
XLR Sockets

## 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**

